

Amphenol Systems

A Series™

Amphenol Transportation

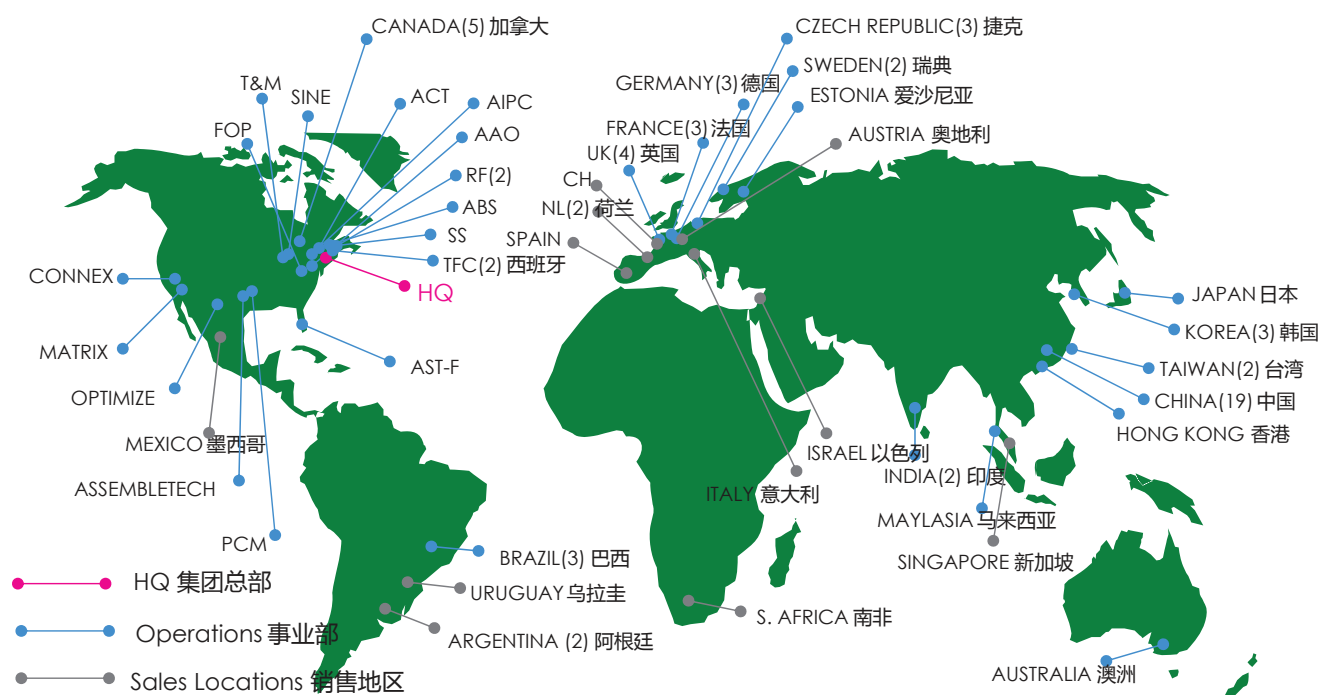


信号和电源解决方案

Reliable Signal and Power Solutions

全球化的安费诺集团

Amphenol Group Worldwide



拥有110个装配和制造部门
110 Assembly and Manufacturing operations
销售,市场,后勤遍布52个国家
Sales, Marketing, Logistics in 52 countries
产品研发遍布四大洲
Product development on 4 continents

目录

Table of contents

公司简介.....	4
产品系列简介.....	5~7
AT系列连接器.....	8~23
ATV系列连接器.....	24~30
ATM系列连接器.....	31~35
ATP系列连接器.....	36~39
AHD系列连接器.....	40~44
AHDP系列连接器.....	45~56
AHDM系列连接器.....	57~68
ATHD系列连接器.....	69~72
AT SpeedSplices	73
A系列PCB连接器.....	74~80
ATF13 系列.....	81
PCB安装连接器.....	82
ARMOR IPX系列连接器.....	83~84
特殊性面板安装连接器.....	85~88
Hyperbuss系列连接器.....	89~90
SP注塑成型系列连接器.....	91
LED产品.....	92
二极管和电阻产品.....	93
J1939带电阻连接器.....	94
定制品.....	95
A系列端子.....	96
可选附件	97~98
Boots.....	99
装配说明.....	100~109
定制装配线缆.....	110
Technical data.....	111
线径对应表.....	112
Appendix.....	113~116

Company profile.....	4
Products overview.....	5~7
AT series connectors.....	8~23
ATV series connectors.....	24~30
ATM series connectors.....	31~35
ATP series connectors.....	36~39
AHD series connectors.....	40~44
AHDP series connectors.....	45~56
AHDM series connectors.....	57~68
ATHD series connectors.....	69~72
AT SpeedSplices	73
A series PCB connectors.....	74~80
ATF13 series.....	81
PCB Mounting - Receptacles.....	82
ARMOR IPX series connectors.....	83~84
Panel mate connectors.....	85~88
Hyperbuss series connectors.....	89~90
SP series connectors.....	91
LED products.....	92
Diode and Resistance products.....	93
J1939 series connectors.....	94
Customized products.....	95
Contacts for A series.....	96
Optional accessories.....	97~98
Boots.....	99
Assembly instruction.....	100~109
Customized cable assembly.....	110
Technical data.....	111
AWG CONVERSION TABEL.....	112
Appendix.....	113~116

公司简介 Company profile

安费诺集团概况

美国安费诺集团创立于1932年，是全球最大的连接器制造商之一。1984年进驻中国，1991年在纽约证交所上市。作为美国纽约证券交易所最佳上市公司，2006年2月10日命为“安费诺日”。2018年集团销售额达82亿美元。安费诺集团全球子公司有85家，目前在中国投资了34家独资或合资企业。安费诺的总部设在美国康涅狄格州，全球员工总数达74,000人。

本公司产品畅销国内外，广泛涉足于工业诊断、汽车、重载连接、电信、医疗和军事领域。当前，我们向中国国内市场推广的有用于工程机械，工业诊断领域的AT、ATM、ATP、AHD、AHD-P、AHD-M系列连接器；用于伺服电机、馈线系统、机械手的M23 & M40；RT360、ATHP系列连接器，用于混合动力汽车传输电流、电压；用于工业自动化的M12, 7/8", 1", M35等满足NFPA79和GM的GCCL标准的电缆组件。

Amphenol Group Summary

Amphenol was founded in 1932. It is one of the largest manufacturers of connector in the world. Amphenol was drawn into China market in 1984, and it was listed on NYSE in 1991. As one of the best company in NYSE, Feb.10, 2006 was named as "Amphenol Day". The sales figures was up to \$8.2 billion in 2018. Currently, Amphenol has more than 85 operation facilities in the world wide. So far, China has 34 sole corporation or joint ventures. The headquarter of Amphenol is located in Connecticut. The population of employee is more than 74,000 in the world.

Our products sold at home and abroad. They are widely used in industrial diagnostic, automobile, overloaded connections, telecommunications, health and military fields. In china market currently, we mainly promote AT, ATM, ATP, AHD, AHDP, AHDM series connectors, which are widely used within engineering machinery, industrial diagnostic fields; promote M23, M40 series connectors, which are used within servo drive and encoder feedback applications; promote RT360 and AHP series connector, which are used within HV & EV and endure large current and high voltage; promote M12, 7/8", 1", M35 series cable assemblies products, which are used within factory automation and control signal transmission or power. All of products meet the standard of NFPA 79 and GM's GCCL.



美国管理团队
USA Management team



常州工厂外景
Changzhou factory



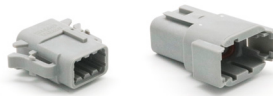
墨西哥生产车间
Mexico Workingshop

产品系列

Product overview

ATM 系列

- 2, 3, 4, 6, 8, 12 孔位可选
- 20 号端子, 7.5A, 16~22AWG
- 线对线, 线对板可选
- 插头及插座用颜色及键位进行识别
- 矩形连接器, 高性能塑料材料



ATM Series

- 2, 3, 4, 6, 8 and 12 positions available
 - 20 contact size, 7.5A, 16~22AWG
 - In-line, Flange
- A wide range of standard color options available
 - Rectangular, Thermoplastic Housing

AT 系列

- 2, 3, 4, 6, 8, 12, 18 孔位可选
- 16 号端子, 13A, 14~20AWG
- 线对线, 线对板, PCB 安装方式可选
- 插头及插座用颜色及键位进行识别
- 矩形连接器, 高性能塑料材料

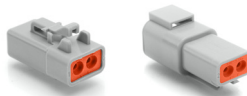


AT Series

- 2, 3, 4, 6, 8, 12 and 18 positions available
 - 16 contact size, 13A, 14~20AWG
 - In-line, Flange, or PCB mount
- A wide range of standard color options available
 - Rectangular, Thermoplastic Housing

ATP 系列

- 2, 4, 6 孔位可选
- 12 号端子, 25A, 10~14AWG
- 线对线, 线对板可选
- 插头及插座用颜色及键位进行识别
- 矩形连接器, 高性能塑料材料

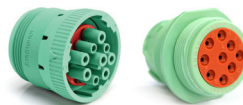


ATP Series

- 2, 4 and 6 positions available
 - 12 contact size, 25A, 10~14AWG
 - In-line, Flange
- A wide range of standard color options available
 - Rectangular, Thermoplastic Housing

AHD 系列

- 6 孔和 9 孔位可选
- 6 孔: 匹配 12 号端子, 25A, 10~14AWG
- 9 孔: 匹配 16 号端子, 13A, 14~20AWG
- 线对线, 线对板可选
- 圆形连接器, 高性能热塑性材料
- 遵照**SAE J1939**协议标准
- 耦合环配接



AHD Series

- 6, 9 positions available
 - 6 position: match with 12 contact size, 25A, 10~14AWG
 - 9 position: match with 16 contact size, 13A, 14~20AWG
 - In-line, Flange
- Circular, Thermoplastic Housing
- **SAE J1939** protocol standard
 - Coupling ring for mating

AHDP 系列

- 24 号壳体有 7, 9, 18, 19, 21, 23, 27, 29, 31, 35, 47 孔可选
- 18 号壳体有 6, 8, 14, 20, 21 孔可选
- 4 号端子, 100A, 4/6AWG
- 8 号端子, 80A, 10~12AWG
- 12 号端子, 25A, 10~14AWG
- 16 号端子, 13A, 14~20AWG
- 20 号端子, 7.5A, 16~22AWG
- 线对线, 线对板可选
- 圆形连接器, 高性能热塑性材料
- 高密度信号和电源混合
- 耦合环配接



AHDP Series

- 24 Shell: 7, 9, 18, 19, 21, 23, 27, 29, 31, 35, 47 positions available
 - 18 Shell: 6, 8, 14, 20, 21 position available
 - 4 contact size, 100A, 4/6AWG
 - 8 contact size, 80A, 10~12AWG
 - 12 contact size, 25A, 10~14AWG
 - 16 contact size, 13A, 14~20AWG
 - 20 contact size, 7.5A, 16~22AWG
 - In-line, Flange
- Circular, Thermoplastic Housing
- High density signal and mixed power insert configurations
 - Coupling ring for mating

产品系列

Product overview

AHDM 系列

- 24 号壳体有 7, 9, 18, 19, 21, 23, 27, 29, 31, 35, 47 孔可选
- 18 号壳体有 6, 8, 14, 20, 21 孔可选
- 4 号端子, 100A, 6AWG
- 8 号端子, 80A, 10~12AWG
- 12 号端子, 25A, 10~14AWG
- 16 号端子, 13A, 14~20AWG
- 20 号端子, 7.5A, 16~22AWG
- 线对线, 线对板可选
- 圆形连接器, 铝合金外壳
- 高密度信号和电源混合
- 可屏蔽



- 24 Shell: 7, 9, 18, 19, 21, 23, 27, 29, 31, 35, 47 positions available
 - 18 Shell: 6, 8, 14, 20, 21 position available
 - 4 contact size, 100A, 6AWG
 - 8 contact size, 80A, 10~12AWG
 - 12 contact size, 25A, 10~14AWG
 - 16 contact size, 13A, 14~20AWG
 - 20 contact size, 7.5A, 16~22AWG
 - In-line, Flange
 - Circular, aluminum housing
- High density signal and mixed power insert configurations
 - Shielding

AHDM Series

ATV 系列

- 18、38 孔位可选
- 18 孔: 16 号端子, 13A, 14~20AWG
- 38 孔: 电流端子, 13A, 信号端子, 2A
- 线对线, 线对板可选
- 矩形连接器, 高性能塑料材料



- 18、38 positions available
- 18: 16 contact size, 13A, 14~20AWG
- 38: current terminal, 13A, Signal terminal, 2A
 - In-line, Flange
- Rectangular, Thermoplastic Housing

ATV Series

ATHD 系列

- 单芯
- 4 号端子, 100A, 6AWG
- 8 号端子, 60A, 8~10AWG
- 12 号端子, 25A, 10~14AWG
- 线对线, 线对板可选
- 圆形连接器, 高性能热塑性材料



- Single core
- 4 contact size, 100A, 6AWG
- 8 contact size, 80A, 8~10AWG
- 12 contact size, 25A, 10~14AWG
 - In-line, Flange
- Circular, Thermoplastic Housing

ATHD Series

A 系列 面板安装系列

- ATM 系列 12 孔: 20 号端子, 7.5A
- AT 系列 2, 3, 4, 6, 8, 12 孔: 16 号端子, 13A
- AT 系列 13 孔: 12 号端子, 25A; 16 号端子, 13A
- ATP 系列 2 孔 & 4 孔: 12 号端子, 25A
- ATV 系列 18 孔: 16 号端子, 13A
- 适用于恶劣环境中



- ATM series 12 position: 20 contact size, 7.5A
- AT series 2, 3, 4, 6, 8, 12 positions: 16 contact size, 13A
- AT series 13 position: 12 contact size, 25A; 16 contact size, 13A
 - ATP series 2 and 4 positions: 12 contact size, 25A
 - ATV series 18 positions: 16 contact size, 13A
- Harsh environment applications

A Series - Panel Mate

A 系列 PCB 面板安装连接器

- ATM 系列 2, 3, 4, 6, 8, 12 孔,
- AT 系列 2, 4, 6, 8, 12 孔
- ATP 系列 2, 4 孔
- 针的形式有直的和 90 度的
- 适用于 PCB 面板安装



- ATM: 2, 3, 4, 6, 8 and 12 positions available
- AT: 2, 4, 6, 8 and 12 positions available
- ATP: 2, 4 positions available
 - Straight & Right angle
 - PCB flange mounting

A Series - PCB Mount

AT HYPERBUSS 系列

- AT 系列 2, 4, 6, 8, 12 孔可选
- 具有分流功能
- 多种回路可选
- 节省空间, 线路和重量



- AT series 2, 4, 6, 8, 12 positions
 - distribute the current
 - Multiple loop available
- Saving space, wiring, and weight

AT HYPERBUSS Series

产品系列

Product overview

ATF13 系列

- 有 2, 3, 4, 6, 8, 12 孔可选
- PCB无面板连接器, 90°弯头
- 与 AT06-XXSXX 配对使用

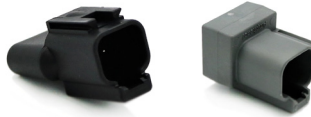


ATF13 Series

- 2, 3, 4, 6, 8, 12 positions available
- PCB without flange plate, right angle receptacle
- Mated with AT06-XXSXX

二极管和电阻

- 有 2, 4, 孔可选
- 用于调节设备功率或保护设备免受电涌冲击
- 与 AT06-2S或者AT06-4S配对使用



Diode and Resistance products

- 2, 3, 4, 6, 8, 12 positions available
- Used to regulate power or protect a device against
- Mated with AT06-2S or AT06-4S

AT SpeedSplices

- 单芯
- 连接器主体一端配公针, 另外一端配母针



AT SpeedSplices

- Single pin
- Mate with pin on one hand, socket on another hand

ARMOR IPX 系列

- 有 AT 12, 24, 36, 48 孔可选
- 有 ATM 2x12/12 孔可选
- PCB面板90°弯头连接器
- 与常规AT06-12Sx、ATM06-12Sx插头配对使用

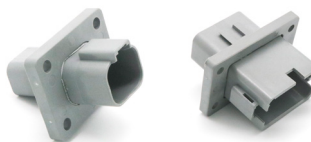


ARMOR IPX series connectors

- AT 12, 24, 36, 48 positions available
- ATM 2x12/12 positions available
- PCB without flange plate, right angle receptacle
- Mated with AT06-12Sx, ATM06-12SX

AT 四方盘系列

- AT系列 2, 3, 4, 6, 8, 12孔: 16号端子, 13A
- ATM 12孔: 20号端子, 7.5A;
- ATP 4孔: 12号端子, 25A;



AT Square plate series

- AT series 2, 3, 4, 6, 8, 12 positions: 16 contact size, 13A
- ATM series 12 position: 20 contact size, 7.5A
- ATP series 4 position: 12 contact size, 25A

A Series™ 连接器简介

A series™ connectors profile

安费诺赛特连接A Series™连接器参照美标**SAE-J2030**设计，是一种高性能低成本的设计方案。其中AT和ATV系列使用16#端子，最大电流13A；ATM系列使用20#端子，最大电流7.5A；ATP系列使用12#端子，最大电流25A；AHD中6孔使用12#端子，最大电流25A；9孔使用16#端子，最大电流13A；AHDP和AHDM系列使用#4/#8/#12/#16/#20端子，最大电流100A；ATHD系列使用#4端子，最大电流100A。产品通常被使用在重载设备、农机、汽车、军事、新能源、航海和其它要求互联的设备上，该系列获得UL1977标准认证，证书号E322585。

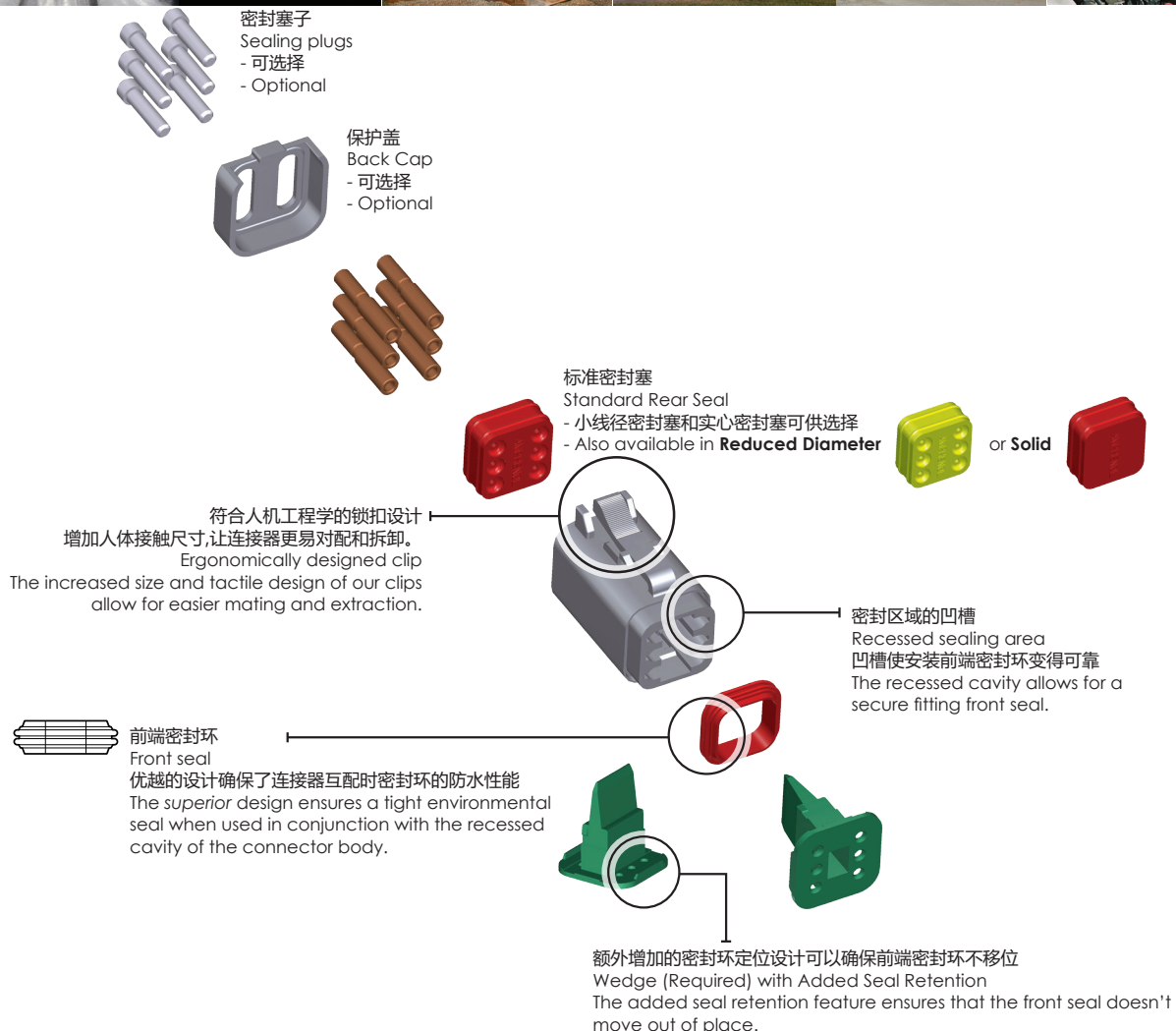
包含防水、防松设计方案和安费诺赛特连接的RockSolid™线簧端子技术。另外，所有的A Series™连接器完全兼容于工业领域内的其他现有标准产品。比如德驰（DEUTSCH）的DT、DTP、DTM、DTV、HD10、HD20、HD30系列等。

Designed with SAE-J2030, Amphenol Sine Systems A Series™ connectors were designed as a high-performance and cost-effective solution which are used within the Heavy Equipment, Agricultural, Automotive, Military, Marine, Alternative Energy and other demanding interconnect architectures. AT and ATV series with 16# contact, max current reaches 13A. ATM series with 20# contact, max current reaches 7.5A. ATP series with 12# contact, max current reaches 25A. AHD 6 POS with 12# contact, max current reaches 25A. AHD 9 POS with 16# contact, max current reaches 13A. AHDP and AHDM series with #4, #8, #12, #16 and #20 contact, max current reaches 100A. ATHD 1 POS with 4 # contact, max current reaches 100A. The products have been acquired the certificate of UL1977. The file number is E322585.

They contain superior environmental seals, seal retention capabilities and feature Amphenol Sine Systems RockSolid™ Contact technology. In addition, all of our A Series™ connectors have been developed to be completely compatible with all other existing standard products industry-wide, such as DT, DTP, DTM, DTV, HD10, HD20, HD30 series from Deutsch.

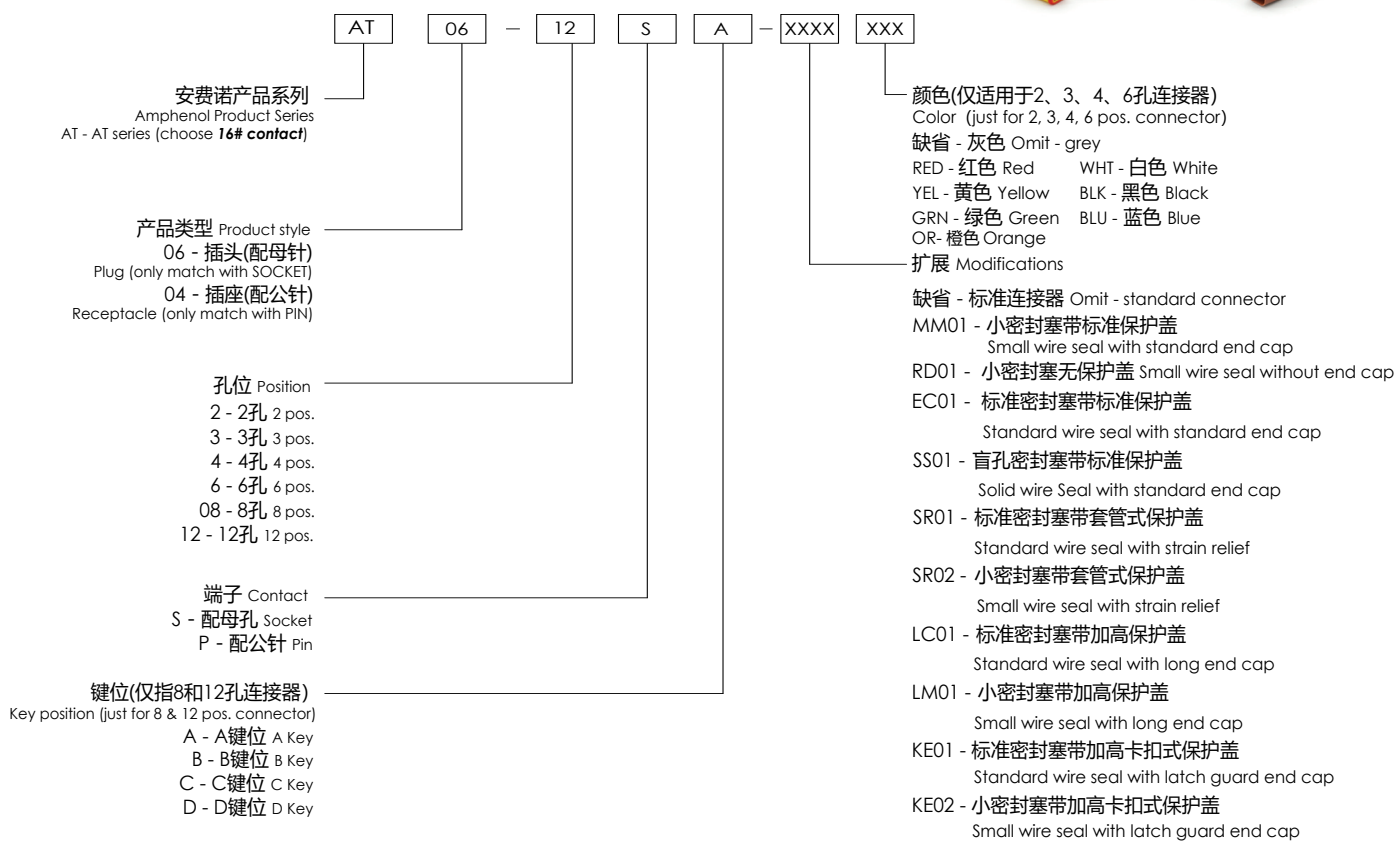
应用

Application



AT系列料号编码

AT series™ part number sequence



尾盖结构举例 - 6 pos

The example for end cap - 6 pos

尾盖 End cap	图片 Picture
缺省 omit	
EC01	
SR01	
LC01	
KE01	
SS01	

尾盖 End cap	图片 Picture
RD01	
MM01	
SR02	
LM01	
KE02	

备注(Note):

产品料号均不含端子, 压板等, 需另外选购。

The parts don't include contact, wedge etc. Please choose it separately.

AT Series™ 电气性能

Performance for AT Series

温度范围 Temperature Range	额定电流时的连续工作温度范围: -55°C ~ +125°C。 Operative at temperatures from -55°C to +125°C. Continuous at rated current.	
浸水密封性 Submersion	连接好电线且拧紧连接器, 当浸没在1m深的水中时, 水不能渗入密封且不发生漏电现象。 Properly wired and mated connection will withstand immersion under 1 meter of water without loss of electronic qualities or leakage.	
最大工作电流(最大线径) Max. Current (Max. Wire Gauge)	Max. 13A	
额定工作电压 Rating Voltage	250V AC/DC according to IEC 500V AC/DC according to UL 1977	
接触电阻 Contact Resistance	< 10 mΩ	
测试电压 Dielectric withstanding voltage	在1500V AC下, 漏电流小于2毫安。 Current leakage less than 2 milliampere under 1500 V AC.	
机械寿命 Minimum Mating Cycles	装拆不小于100次, 没有电气或机械上的缺陷。 No electrical or mechanical defects after more than 100 cycles of engagement and disengagement.	
绝缘电阻 Insulation Resistance	在25°C时, 不小于1000兆欧。 1000 megohms minimum at 25°C.	
振动测试 Vibration	在三个相互垂直的平面内, 以10~2000Hz, 20G加速度的正弦振动后, 没有锁扣松脱, 没有机械或物理的损坏, 没有大于1微秒的断电现象。 No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.	
热冲击测试 Thermal Cycle	从-55°C 到 +125°C试验20个循环后, 没有裂痕, 碎屑等表面缺陷。 No cracking, chipping or leaking after 20 times test cycles from -55°C to +125°C.	
RoHS Compliant	Yes	
材料 Material	壳体和压板: 热塑性材料 密封件: 硅橡胶材料 端子: 铜合金、镀金、镀镍	Housing and wedge: thermoplastic Seals: silicone elastomer Contact: copper alloy、nickel plated、gold plated

AT系列正面视图

AT series™ face view

插头料号 Plug Part No.	正面视图 Face View
AT06-2S-XXXX	
AT06-3S-XXXX	
AT06-4S-XXXX	
AT06-6S-XXXX	
AT06-08SA-XXXX	
AT06-08SB-XXXX	
AT06-08SC-XXXX	
AT06-08SD-XXXX	
AT06-12SA-XXXX	
AT06-12SB-XXXX	
AT06-12SC-XXXX	
AT06-12SD-XXXX	
AT06-12SX1-XXXX	
AT06-12SX2-XXXX	

插座料号 Receptacle Part No.	正面视图 Face View
AT04-2P-XXXX	
AT04-3P-XXXX	
AT04-4P-XXXX	
AT04-6P-XXXX	
AT04-08PA-XXXX	
AT04-08PB-XXXX	
AT04-08PC-XXXX	
AT04-08PD-XXXX	
AT04-12PA-XXXX	
AT04-12PA-NES/NRD1/ NMM1/NSS1	
AT04-12PB-XXXX	
AT04-12PC-XXXX	
AT04-12PD-XXXX	

备注：XXXX代表尾盖结构，详见第九页。
Note: XXXX stands for end cap. Please refer to page 9.

AT Series™ 2孔连接器-插座

AT series™ 2POS connectors - Receptacle

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
AT04-2P	14~20AWG	2.24~3.68mm	
AT04-2P-RD01	14~20AWG	1.35~3.05mm	
AT04-2P-EC01	14~20AWG	2.24~3.68mm	
AT04-2P-MM01	14~20AWG	1.35~3.05mm	
AT04-2P-SS01	N/A	N/A	
AT04-2P-SB01	14~20AWG	2.24~3.68mm	
AT04-2P-MM03	14~20AWG	1.35~3.05mm	
AT04-2P-SR01BLK	14~20AWG	2.24~3.68mm	
AT04-2P-SR02BLK	14~20AWG	1.35~3.05mm	

适配端子 Suitable Contact



规格 Size	冲压公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-14-0122	Nickel-plated	14~16AWG
	AT60-14-0144	Gold-plated	14~16AWG
	AT60-16-0122	Nickel-plated	16~18AWG
	AT60-16-0144	Gold-plated	16~18AWG
	AT60-16-0622	Nickel-plated	18~20AWG
	AT60-16-0644	Gold-plated	18~20AWG
	AT60-16-0822	Nickel-plated	20~22AWG
	AT60-16-0322	Nickel-plated	20~22AWG
	AT60-16-0844	Gold-plated	20~22AWG



规格 Size	机加工公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-202-1631	Gold-plated	16~18AWG
	AT60-202-16141	Nickel-plated	16~18AWG
	AT60-215-1631	Gold-plated	14AWG
	AT60-215-16141	Nickel-plated	14AWG
	AT60-202-1631-20	Gold-plated	18~20AWG
	AT60-202-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AW2P
	AW2P-A
	AW2P-B
	AW2P-C
	AW2P-D

AT Series™ 2孔连接器-插头

AT series™ 2POS connectors - Plug

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
AT06-2S	14~20AWG	2.24~3.68mm	
AT06-2S-RD01	14~20AWG	1.35~3.05mm	
AT06-2S-EC01	14~20AWG	2.24~3.68mm	
AT06-2S-MM01	14~20AWG	1.35~3.05mm	
AT06-2S-SS01	N/A	N/A	
AT06-2S-SB01	14~20AWG	2.24~3.68mm	
AT06-2S-MM03	14~20AWG	1.35~3.05mm	
AT06-2S-SR01BLK	14~20AWG	2.24~3.68mm	
AT06-2S-SR02BLK	14~20AWG	1.35~3.05mm	
AT06-2S-LC01	14~20AWG	2.24~3.68mm	
AT06-2S-LM01	14~20AWG	1.35~3.05mm	
AT06-2S-KE01GRY	14~20AWG	2.24~3.68mm	
AT06-2S-KE02GRY	14~20AWG	1.35~3.05mm	

适配端子 Suitable Contact



规格 Size	冲压母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-14-0122	Nickel-plated	14~16AWG
	AT62-14-0144	Gold-plated	14~16AWG
	AT62-16-0122	Nickel-plated	16~18AWG
	AT62-16-0144	Gold-plated	16~18AWG
	AT62-16-0622	Nickel-plated	18~20AWG
	AT62-16-0644	Gold-plated	18~20AWG
	AT62-16-0822	Nickel-plated	20~22AWG
	AT62-16-0844	Gold-plated	20~22AWG



规格 Size	机加工母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-201-1631	Gold-plated	16~18AWG
	AT62-201-16141	Nickel-plated	16~18AWG
	AT62-209-1631	Gold-plated	14AWG
	AT62-209-16141	Nickel-plated	14AWG
	AT62-201-1631-20	Gold-plated	18~20AWG
	AT62-201-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AW2S
	AW2S-A
	AW2S-B
	AW2S-C
	AW2S-D
	AW2S-CD

AT Series™ 3孔连接器-插座

AT series™ 3POS connectors - Receptacle

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
AT04-3P	14~20AWG	2.24~3.68mm	
AT04-3P-RD01	14~20AWG	1.35~3.05mm	
AT04-3P-EC01	14~20AWG	2.24~3.68mm	
AT04-3P-MM01	14~20AWG	1.35~3.05mm	
AT04-3P-SS01	N/A	N/A	
AT04-3P-SB01	14~20AWG	2.24~3.68mm	
AT04-3P-MM03	14~20AWG	1.35~3.05mm	
AT04-3P-SR01BLK	14~20AWG	2.24~3.68mm	
AT04-3P-SR02BLK	14~20AWG	1.35~3.05mm	
AT04-3P-PM05	14~20AWG	2.24~3.68mm	

适配端子 Suitable Contact



规格 Size	冲压公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-14-0122	Nickel-plated	14~16AWG
	AT60-14-0144	Gold-plated	14~16AWG
	AT60-16-0122	Nickel-plated	16~18AWG
	AT60-16-0144	Gold-plated	16~18AWG
	AT60-16-0622	Nickel-plated	18~20AWG
	AT60-16-0644	Gold-plated	18~20AWG
	AT60-16-0822	Nickel-plated	20~22AWG
	AT60-16-0322	Nickel-plated	20~22AWG
	AT60-16-0844	Gold-plated	20~22AWG



规格 Size	机加工公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-202-1631	Gold-plated	16~18AWG
	AT60-202-16141	Nickel-plated	16~18AWG
	AT60-215-1631	Gold-plated	14AWG
	AT60-215-16141	Nickel-plated	14AWG
	AT60-202-1631-20	Gold-plated	18~20AWG
	AT60-202-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AW3P
	AW3P-1939

AT Series™ 3孔连接器-插头

AT series™ 3POS connectors - Plug

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
AT06-3S	14~20AWG	2.24~3.68mm	
AT06-3S-RD01	14~20AWG	1.35~3.05mm	
AT06-3S-EC01	14~20AWG	2.24~3.68mm	
AT06-3S-MM01	14~20AWG	1.35~3.05mm	
AT06-3S-SS01	N/A	N/A	
AT06-3S-SB01	14~20AWG	2.24~3.68mm	
AT06-3S-MM03	14~20AWG	1.35~3.05mm	
AT06-3S-SR01BLK	14~20AWG	2.24~3.68mm	
AT06-3S-SR02BLK	14~20AWG	1.35~3.05mm	
AT06-3S-LC01	14~20AWG	2.24~3.68mm	
AT06-3S-LM01	14~20AWG	1.35~3.05mm	
AT06-3S-KE01GRY	14~20AWG	2.24~3.68mm	
AT06-3S-KE02GRY	14~20AWG	1.35~3.05mm	

适配端子 Suitable Contact



规格 Size	冲压母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-14-0122	Nickel-plated	14~16AWG
	AT62-14-0144	Gold-plated	14~16AWG
	AT62-16-0122	Nickel-plated	16~18AWG
	AT62-16-0144	Gold-plated	16~18AWG
	AT62-16-0622	Nickel-plated	18~20AWG
	AT62-16-0644	Gold-plated	18~20AWG
	AT62-16-0822	Nickel-plated	20~22AWG
	AT62-16-0844	Gold-plated	20~22AWG



规格 Size	机加工母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-201-1631	Gold-plated	16~18AWG
	AT62-201-16141	Nickel-plated	16~18AWG
	AT62-209-1631	Gold-plated	14AWG
	AT62-209-16141	Nickel-plated	14AWG
	AT62-201-1631-20	Gold-plated	18~20AWG
	AT62-201-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AW3S
	AW3S-1939

AT Series™ 4孔连接器-插座

AT series™ 4POS connectors - Receptacle

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
AT04-4P	14~20AWG	2.24~3.68mm	
AT04-4P-RD01	14~20AWG	1.35~3.05mm	
AT04-4P-EC01	14~20AWG	2.24~3.68mm	
AT04-4P-MM01	14~20AWG	1.35~3.05mm	
AT04-4P-SS01	N/A	N/A	
AT04-4P-SR01BLK	14~20AWG	2.24~3.68mm	
AT04-4P-SR02BLK	14~20AWG	1.35~3.05mm	
AT04-4P-R1K2K	N/A	N/A	

适配端子 Suitable Contact



规格 Size	冲压公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-14-0122	Nickel-plated	14~16AWG
	AT60-14-0144	Gold-plated	14~16AWG
	AT60-16-0122	Nickel-plated	16~18AWG
	AT60-16-0144	Gold-plated	16~18AWG
	AT60-16-0622	Nickel-plated	18~20AWG
	AT60-16-0644	Gold-plated	18~20AWG
	AT60-16-0822	Nickel-plated	20~22AWG
	AT60-16-0322	Nickel-plated	20~22AWG
	AT60-16-0844	Gold-plated	20~22AWG



规格 Size	机加工公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-202-1631	Gold-plated	16~18AWG
	AT60-202-16141	Nickel-plated	16~18AWG
	AT60-215-1631	Gold-plated	14AWG
	AT60-215-16141	Nickel-plated	14AWG
	AT60-202-1631-20	Gold-plated	18~20AWG
	AT60-202-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AW4P

AT Series™ 4孔连接器-插头

AT series™ 4POS connectors - Plug

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
AT06-4S	14~20AWG	2.24~3.68mm	
AT06-4S-RD01	14~20AWG	1.35~3.05mm	
AT06-4S-EC01	14~20AWG	2.24~3.68mm	
AT06-4S-MM01	14~20AWG	1.35~3.05mm	
AT06-4S-SS01	N/A	N/A	
AT06-4S-SR01BLK	14~20AWG	2.24~3.68mm	
AT06-4S-SR02BLK	14~20AWG	1.35~3.05mm	
AT06-4S-LC01	14~20AWG	2.24~3.68mm	
AT06-4S-LM01	14~20AWG	1.35~3.05mm	
AT06-4S-KE01GRY	14~20AWG	2.24~3.68mm	
AT06-4S-KE02GRY	14~20AWG	1.35~3.05mm	

适配端子 Suitable Contact



规格 Size	冲压母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-14-0122	Nickel-plated	14~16AWG
	AT62-14-0144	Gold-plated	14~16AWG
	AT62-16-0122	Nickel-plated	16~18AWG
	AT62-16-0144	Gold-plated	16~18AWG
	AT62-16-0622	Nickel-plated	18~20AWG
	AT62-16-0644	Gold-plated	18~20AWG
	AT62-16-0822	Nickel-plated	20~22AWG
	AT62-16-0844	Gold-plated	20~22AWG



规格 Size	机加工母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-201-1631	Gold-plated	16~18AWG
	AT62-201-16141	Nickel-plated	16~18AWG
	AT62-209-1631	Gold-plated	14AWG
	AT62-209-16141	Nickel-plated	14AWG
	AT62-201-1631-20	Gold-plated	18~20AWG
	AT62-201-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AW4S

AT Series™ 6孔连接器-插座

AT series™ 6POS connectors - Receptacle

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
AT04-6P	14~20AWG	2.24~3.68mm	
AT04-6P-RD01	14~20AWG	1.35~3.05mm	
AT04-6P-RR01	16~22AWG	1.12~2.31mm	
AT04-6P-EC01	14~20AWG	2.24~3.68mm	
AT04-6P-MM01	14~20AWG	1.35~3.05mm	
AT04-6P-SS01	N/A	N/A	
AT04-6P-SR01BLK	14~20AWG	2.24~3.68mm	
AT04-6P-SR02BLK	14~20AWG	1.35~3.05mm	

适配端子 Suitable Contact



规格 Size	冲压公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-14-0122	Nickel-plated	14~16AWG
	AT60-14-0144	Gold-plated	14~16AWG
	AT60-16-0122	Nickel-plated	16~18AWG
	AT60-16-0144	Gold-plated	16~18AWG
	AT60-16-0622	Nickel-plated	18~20AWG
	AT60-16-0644	Gold-plated	18~20AWG
	AT60-16-0822	Nickel-plated	20~22AWG
	AT60-16-0322	Nickel-plated	20~22AWG
	AT60-16-0844	Gold-plated	20~22AWG



规格 Size	机加工公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-202-1631	Gold-plated	16~18AWG
	AT60-202-16141	Nickel-plated	16~18AWG
	AT60-215-1631	Gold-plated	14AWG
	AT60-215-16141	Nickel-plated	14AWG
	AT60-202-1631-20	Gold-plated	18~20AWG
	AT60-202-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AW6P

AT Series™ 6孔连接器-插头

AT series™ 6POS connectors - Plug

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
AT06-6S	14~20AWG	2.24~3.68mm	
AT06-6S-RD01	14~20AWG	1.35~3.05mm	
AT06-6S-RR01	16~22AWG	1.12~2.31mm	
AT06-6S-EC01	14~20AWG	2.24~3.68mm	
AT06-6S-MM01	14~20AWG	1.35~3.05mm	
AT06-6S-SS01	N/A	N/A	
AT06-6S-SR01BLK	14~20AWG	2.24~3.68mm	
AT06-6S-SR02BLK	14~20AWG	1.35~3.05mm	
AT06-6S-LC01	14~20AWG	2.24~3.68mm	
AT06-6S-LM01	14~20AWG	1.35~3.05mm	
AT06-6S-KE01GRY	14~20AWG	2.24~3.68mm	
AT06-6S-KE02GRY	14~20AWG	1.35~3.05mm	

适配端子 Suitable Contact



规格 Size	冲压母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-14-0122	Nickel-plated	14~16AWG
	AT62-14-0144	Gold-plated	14~16AWG
	AT62-16-0122	Nickel-plated	16~18AWG
	AT62-16-0144	Gold-plated	16~18AWG
	AT62-16-0622	Nickel-plated	18~20AWG
	AT62-16-0644	Gold-plated	18~20AWG
	AT62-16-0822	Nickel-plated	20~22AWG
	AT62-16-0844	Gold-plated	20~22AWG



规格 Size	机加工母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-201-1631	Gold-plated	16~18AWG
	AT62-201-16141	Nickel-plated	16~18AWG
	AT62-209-1631	Gold-plated	14AWG
	AT62-209-16141	Nickel-plated	14AWG
	AT62-201-1631-20	Gold-plated	18~20AWG
	AT62-201-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AW6S
	AW6S-2BLU

AT Series™ 8孔连接器-插座

AT series™ 8POS connectors - Receptacle

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
AT04-08PA	14~20AWG	2.24~3.68mm	
AT04-08PA-RD01	14~20AWG	1.35~3.05mm	
AT04-08PA-RR01	16~22AWG	1.12~2.31mm	
AT04-08PA-EC01	14~20AWG	2.24~3.68mm	
AT04-08PA-MM01	14~20AWG	1.35~3.05mm	
AT04-08PA-SS01	N/A	N/A	
AT04-08PA-SRGRY	14~20AWG	2.24~3.68mm	
AT04-08PA-SR2GRY	14~20AWG	1.35~3.05mm	
AT04-08PB-PM07G	14~20AWG	2.24~3.68mm	
AT04-08PB-PMR7G	14~20AWG	1.35~3.05mm	

备注：如何区分产品键位A、B、C、D，请参考第21页备注部分。
Note: How to distinguish the key. Please see Note Part of page 21.

适配端子 Suitable Contact



规格 Size	冲压公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-14-0122	Nickel-plated	14~16AWG
	AT60-14-0144	Gold-plated	14~16AWG
	AT60-16-0122	Nickel-plated	16~18AWG
	AT60-16-0144	Gold-plated	16~18AWG
	AT60-16-0622	Nickel-plated	18~20AWG
	AT60-16-0644	Gold-plated	18~20AWG
	AT60-16-0822	Nickel-plated	20~22AWG
	AT60-16-0322	Nickel-plated	20~22AWG
	AT60-16-0844	Gold-plated	20~22AWG



规格 Size	机加工公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-202-1631	Gold-plated	16~18AWG
	AT60-202-16141	Nickel-plated	16~18AWG
	AT60-215-1631	Gold-plated	14AWG
	AT60-215-16141	Nickel-plated	14AWG
	AT60-202-1631-20	Gold-plated	18~20AWG
	AT60-202-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AW8P

AT Series™ 8孔连接器-插头

AT series™ 8POS connectors - Plug

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
AT06-08SA	14~20AWG	2.24~3.68mm	
AT06-08SA-RD01	14~20AWG	1.35~3.05mm	
AT06-08SA-RR01	16~22AWG	1.12~2.31mm	
AT06-08SA-EC01	14~20AWG	2.24~3.68mm	
AT06-08SA-MM01	14~20AWG	1.35~3.05mm	
AT06-08SA-SS01	N/A	N/A	
AT06-08SA-SRGRY	14~20AWG	2.24~3.68mm	
AT06-08SA-SR2GRY	14~20AWG	1.35~3.05mm	
AT06-08SA-LC01	14~20AWG	2.24~3.68mm	
AT06-08SA-LM01	14~20AWG	1.35~3.05mm	
AT06-08SA-KE01	14~20AWG	2.24~3.68mm	
AT06-08SA-KE02	14~20AWG	1.35~3.05mm	

适配端子

Suitable Contact



规格 Size	冲压母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-14-0122	Nickel-plated	14~16AWG
	AT62-14-0144	Gold-plated	14~16AWG
	AT62-16-0122	Nickel-plated	16~18AWG
	AT62-16-0144	Gold-plated	16~18AWG
	AT62-16-0622	Nickel-plated	18~20AWG
	AT62-16-0644	Gold-plated	18~20AWG
	AT62-16-0822	Nickel-plated	20~22AWG
	AT62-16-0844	Gold-plated	20~22AWG



规格 Size	机加工母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-201-1631	Gold-plated	16~18AWG
	AT62-201-16141	Nickel-plated	16~18AWG
	AT62-209-1631	Gold-plated	14AWG
	AT62-209-16141	Nickel-plated	14AWG
	AT62-201-1631-20	Gold-plated	18~20AWG
	AT62-201-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AW8S

备注：A代表键位（详见第11页正视图），与此同时分别提供B、C、D三种键位的插座和插头。外观上可由颜色区分：

A键位-灰色

B键位-黑色

C键位-绿色

D键位-棕色



KEY-B



KEY-C



KEY-D

Note: A stands for the keying position (see page 11). B, C and D keying positions are available for all 8 and 12 positions connectors. The appearance can be distinguished by color. Key-B is black. Key-C is green. Key-D is brown.

AT Series™ 12孔连接器-插座

AT series™ 12POS connectors - Receptacle

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
AT04-12PA	14~20AWG	2.24~3.68mm	
AT04-12PA-RD01	14~20AWG	1.35~3.05mm	
AT04-12PA-RR01	16~22AWG	1.12~2.31mm	
AT04-12PA-EC01	14~20AWG	2.24~3.68mm	
AT04-12PA-MM01	14~20AWG	1.35~3.05mm	
AT04-12PA-SS01	N/A	N/A	
AT04-12PA-SRGRY	14~20AWG	2.24~3.68mm	
AT04-12PA-SR2GRY	14~20AWG	1.35~3.05mm	
AT04-12PA-PM01	14~20AWG	2.24~3.68mm	
AT04-12PA-PM02	14~20AWG	1.35~3.05mm	
AT04-12PA-PM01-EC01	14~20AWG	2.24~3.68mm	
AT04-12PA-PM02-EC01	14~20AWG	1.35~3.05mm	
AT04-12PA-NES	14~20AWG	2.24~3.68mm	
AT04-12PA-NRD1	14~20AWG	1.35~3.05mm	
AT04-12PA-NEC1	14~20AWG	2.24~3.68mm	
AT04-12PA-NMM1	14~20AWG	1.35~3.05mm	
AT04-12PA-NSS1	N/A	N/A	

适配端子 Suitable Contact



规格 Size	冲压公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-14-0122	Nickel-plated	14~16AWG
	AT60-14-0144	Gold-plated	14~16AWG
	AT60-16-0122	Nickel-plated	16~18AWG
	AT60-16-0144	Gold-plated	16~18AWG
	AT60-16-0622	Nickel-plated	18~20AWG
	AT60-16-0644	Gold-plated	18~20AWG
	AT60-16-0822	Nickel-plated	20~22AWG
	AT60-16-0322	Nickel-plated	20~22AWG
	AT60-16-0844	Gold-plated	20~22AWG



规格 Size	机加工公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-202-1631	Gold-plated	16~18AWG
	AT60-202-16141	Nickel-plated	16~18AWG
	AT60-215-1631	Gold-plated	14AWG
	AT60-215-16141	Nickel-plated	14AWG
	AT60-202-1631-20	Gold-plated	18~20AWG
	AT60-202-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AW12P

备注：如何区分产品键位A、B、C、D，请参考第21页备注部分。
Note: How to distinguish the key. Please see Note Part of page 21.

AT Series™ 12孔连接器-插头

AT series™ 12POS connectors - Plug

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
AT06-12SA	14~20AWG	2.24~3.68mm	
AT06-12SA-RD01	14~20AWG	1.35~3.05mm	
AT06-12SA-RR01	16~22AWG	1.12~2.31mm	
AT06-12SA-EC01	14~20AWG	2.24~3.68mm	
AT06-12SA-MM01	14~20AWG	1.35~3.05mm	
AT06-12SA-SS01	N/A	N/A	
AT06-12SA-SRGRY	14~20AWG	2.24~3.68mm	
AT06-12SA-SR2GRY	14~20AWG	1.35~3.05mm	
AT06-12SA-LC01	14~20AWG	2.24~3.68mm	
AT06-12SA-LM01	14~20AWG	1.35~3.05mm	
AT06-12SA-KE01	14~20AWG	2.24~3.68mm	
AT06-12SA-KE02	14~20AWG	1.35~3.05mm	
AT06-12SX1	14~20AWG	2.24~3.68mm	
AT06-12SX1-RD01	14~20AWG	1.35~3.05mm	
AT06-12SX2	14~20AWG	2.24~3.68mm	
AT06-12SX2-RD01	14~20AWG	1.35~3.05mm	

适配端子 Suitable Contact



规格 Size	冲压母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-14-0122	Nickel-plated	14~16AWG
	AT62-14-0144	Gold-plated	14~16AWG
	AT62-16-0122	Nickel-plated	16~18AWG
	AT62-16-0144	Gold-plated	16~18AWG
	AT62-16-0622	Nickel-plated	18~20AWG
	AT62-16-0644	Gold-plated	18~20AWG
	AT62-16-0822	Nickel-plated	20~22AWG
	AT62-16-0844	Gold-plated	20~22AWG



规格 Size	机加工母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-201-1631	Gold-plated	16~18AWG
	AT62-201-16141	Nickel-plated	16~18AWG
	AT62-209-1631	Gold-plated	14AWG
	AT62-209-16141	Nickel-plated	14AWG
	AT62-201-1631-20	Gold-plated	18~20AWG
	AT62-201-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AW12S

备注：如何区分产品键位A、B、C、D，请参考第21页备注部分。

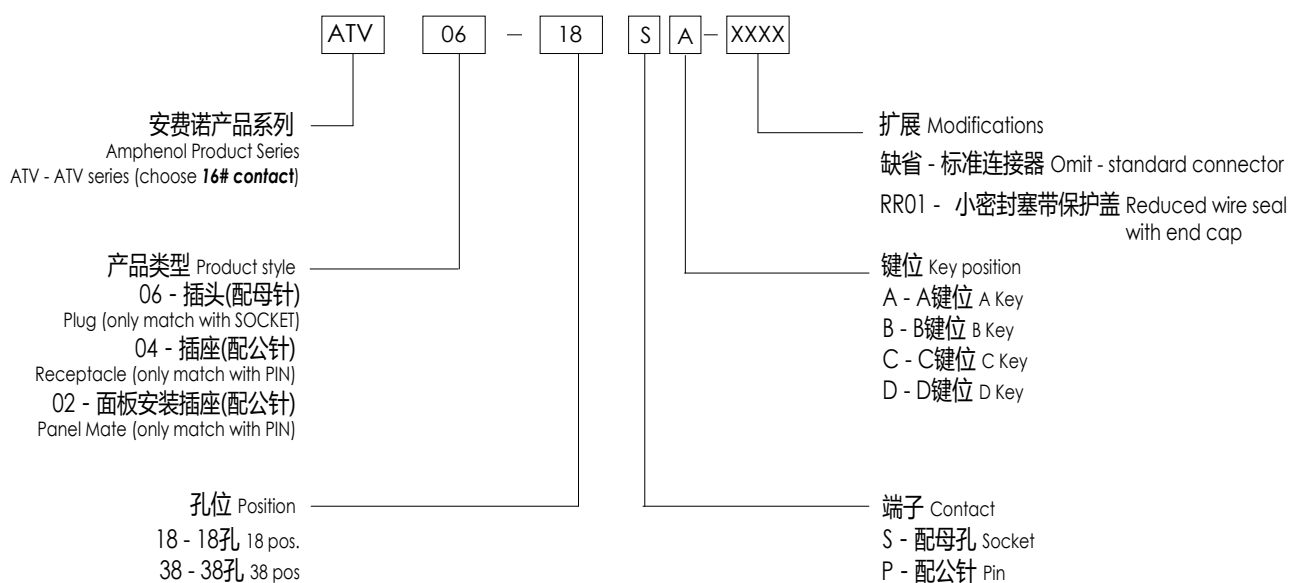
Note: How to distinguish the key. Please see Note Part of page 21.



ATVSeries™

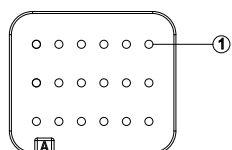
料号编码

part number sequence

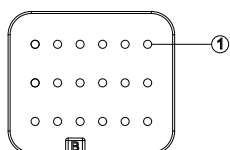


ATV系列孔位排布

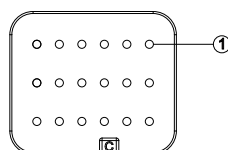
ATV series™ arrangement



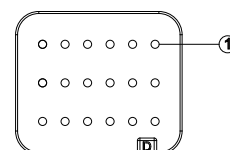
A键位
Key-A



B键位
Key-B

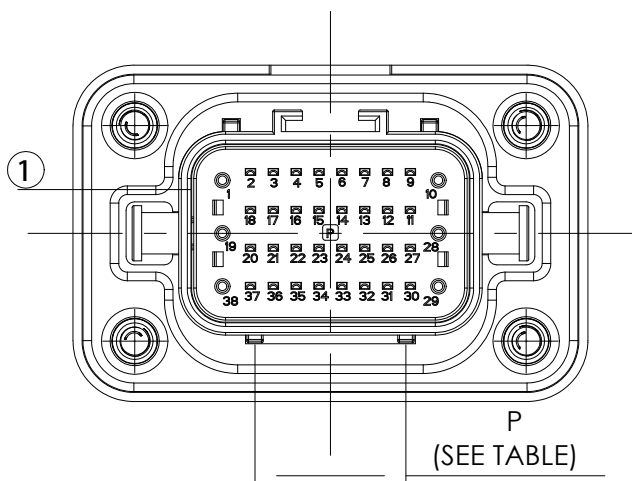


C键位
Key-C



D键位
Key-D

18 芯



38 芯

TABLE

KEY POS	PART NUMBER	P
A	ATV04-38PA	17.50
B	ATV04-38PB	14.50
C	ATV04-38PC	11.50

ATV 18孔-电气性能

ATV 18 POS-Performance

温度范围 Temperature Range	额定电流时的连续工作温度范围: -55°C ~ +125°C。 Operative at temperatures from -55°C to +125°C. Continuous at rated current.	
气密性 Immersion	IP67 & IP69K	
最大工作电流(最大线径) Max. Current (Max. Wire Gauge)	Max. 13A	
额定工作电压 Rating Voltage	250V AC/DC according to IEC 500V AC/DC according to UL 1977	
接触电阻 Contact Resistance	< 10 mΩ	
测试电压 Dielectric withstanding voltage	在1500V AC下, 漏电流小于2毫安。 Current leakage less than 2 milliampere under 1500 V AC.	
机械寿命 Minimum Mating Cycles	装拆不小于100次, 没有电气或机械上的缺陷。 No electrical or mechanical defects after more than 100 cycles of engagement and disengagement.	
绝缘电阻 Insulation Resistance	在25°C时, 不小于1000兆欧。 1000 megohms minimum at 25°C.	
振动测试 Vibration	在三个相互垂直的平面内, 以10~2000Hz, 20G加速度的正弦振动后, 没有锁扣松脱, 没有机械或物理的损坏, 没有大于1微秒的断电现象。 No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.	
热冲击测试 Thermal Cycle	从-55°C 到 +125°C 试验20个循环后, 没有裂痕, 碎屑等表面缺陷。 No cracking, chipping or leaking after 20 times test cycles from -55°C to +125°C.	
RoHS Compliant	Yes	
材料 Material	壳体 and 压板: 热塑性材料 密封件: 硅橡胶材料 端子: 铜合金、镀金、镀镍	Housing and wedge: thermoplastic Seals: silicone elastomer Contact: copper alloy、nickel plated、gold plated

**ATVSeries™****18孔连接器-插座****18POS connectors - Receptacle**

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
ATV02-18PA	14~20AWG	2.23~3.68mm	
ATV02-18PA-RR01	16~22AWG	1.12~2.31mm	
ATV02-18PB	14~20AWG	2.23~3.68mm	
ATV02-18PB-RR01	16~22AWG	1.12~2.31mm	
ATV02-18PC	14~20AWG	2.23~3.68mm	
ATV02-18PC-RR01	16~22AWG	1.12~2.31mm	
ATV02-18PD	14~20AWG	2.23~3.68mm	
ATV02-18PD-RR01	16~22AWG	1.12~2.31mm	
ATV04-18PA	14~20AWG	2.23~3.68mm	
ATV04-18PA-RR01	16~22AWG	1.12~2.31mm	
ATV04-18PA-BUS	N/A	N/A	
ATV04-18PB	14~20AWG	2.23~3.68mm	
ATV04-18PB-RR01	16~22AWG	1.12~2.31mm	
ATV04-18PB-BUS	N/A	N/A	
ATV04-18PC	14~20AWG	2.23~3.68mm	
ATV04-18PC-RR01	16~22AWG	1.12~2.31mm	
ATV04-18PD	14~20AWG	2.23~3.68mm	
ATV04-18PD-RR01	16~22AWG	1.12~2.31mm	

适配端子

Suitable Contact



规格 Size	冲压公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-14-0122	Nickel-plated	14~16AWG
	AT60-14-0144	Gold-plated	14~16AWG
	AT60-16-0122	Nickel-plated	16~18AWG
	AT60-16-0144	Gold-plated	16~18AWG
	AT60-16-0622	Nickel-plated	18~20AWG
	AT60-16-0644	Gold-plated	18~20AWG
	AT60-16-0822	Nickel-plated	20~22AWG
	AT60-16-0322	Nickel-plated	20~22AWG
	AT60-16-0844	Gold-plated	20~22AWG



规格 Size	机加工公针 Pin P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT60-202-1631	Gold-plated	16~18AWG
	AT60-202-16141	Nickel-plated	16~18AWG
	AT60-215-1631	Gold-plated	14AWG
	AT60-215-16141	Nickel-plated	14AWG
	AT60-202-1631-20	Gold-plated	18~20AWG
	AT60-202-16141-22	Nickel-plated	22~24AWG

适配压板
Suitable Wedge料号
Part number

AWV-18P



ATVSeries™

18孔连接器-插头 18POS connectors - Plug

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture
ATV06-18SA	14~20AWG	2.23~3.68mm	
ATV06-18SA-RR01	16~22AWG	1.12~2.31mm	
ATV06-18SB	14~20AWG	2.23~3.68mm	
ATV06-18SB-RR01	16~22AWG	1.12~2.31mm	
ATV06-18SC	14~20AWG	2.23~3.68mm	
ATV06-18SC-RR01	16~22AWG	1.12~2.31mm	
ATV06-18SD	14~20AWG	2.23~3.68mm	
ATV06-18SD-RR01	16~22AWG	1.12~2.31mm	

适配端子

Suitable Contact



规格 Size	冲压母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-14-0122	Nickel-plated	14~16AWG
	AT62-14-0144	Gold-plated	14~16AWG
	AT62-16-0122	Nickel-plated	16~18AWG
	AT62-16-0144	Gold-plated	16~18AWG
	AT62-16-0622	Nickel-plated	18~20AWG
	AT62-16-0644	Gold-plated	18~20AWG
	AT62-16-0822	Nickel-plated	20~22AWG
	AT62-16-0844	Gold-plated	20~22AWG



规格 Size	机加工母针 Socket P/N	镀层 Plating	线缆范围 Wire range
16# 13A	AT62-201-1631	Gold-plated	16~18AWG
	AT62-201-16141	Nickel-plated	16~18AWG
	AT62-209-1631	Gold-plated	14AWG
	AT62-209-16141	Nickel-plated	14AWG
	AT62-201-1631-20	Gold-plated	18~20AWG
	AT62-201-16141-22	Nickel-plated	22~24AWG

适配压板 Suitable Wedge	料号 Part number
	AWV-18S

ATV 38孔-电气性能

ATV 38 POS-Performance

温度范围 Temperature Range	额定电流时的连续工作温度范围: -40°C ~ +125°C。 Operative at temperatures from -40°C to +125°C. Continuous at rated current.	
气密性 Immersion	IP67	
最大工作电流(最大线径) Max. Current (Max. Wire Gauge)	Max. 13A	
额定工作电压 Rating Voltage	250V AC/DC	
接触电阻 Contact Resistance	< 10 mΩ	
测试电压 Dielectric withstanding voltage	在2000V AC下, 漏电流小于2毫安。 Current leakage less than 2 milliampere under 2000 V AC.	
机械寿命 Minimum Mating Cycles	装拆不小于100次, 没有电气或机械上的缺陷。 No electrical or mechanical defects after more than 100 cycles of engagement and disengagement.	
绝缘电阻 Insulation Resistance	在25°C时, 不小于5000兆欧。 5000 megohms minimum at 25°C.	
振动测试 Vibration	在三个相互垂直的平面内, 以10~2000Hz, 20G加速度的正弦振动后, 没有锁扣松脱, 没有机械或物理的损坏, 没有大于1微秒的断电现象。 No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.	
热冲击测试 Thermal Cycle	从-40°C 到 +125°C试验20个循环后, 没有裂痕, 碎屑等表面缺陷。 No cracking, chipping or leaking after 20 times test cycles from -40°C to +125°C.	
RoHS Compliant	Yes	
材料 Material	壳体和压板: 热塑性材料 密封件: 硅橡胶材料 端子: 铜合金、镀金、镀镍	Housing and wedge: thermoplastic Seals: silicone elastomer Contact: copper alloy、nickel plated、gold plated

插头料号 Plug P/N	线径范围(SIGNAL) WIRE & OD RANGE	线径范围(POWER) WIRE & OD RANGE	产品图 Product picture
ATV04-38PA-S1	1.2~1.5mm (22AWG)	1.6~2.8mm (22~14AWG)	
ATV04-38PA-S2	1.5~1.8mm (20AWG)		
ATV04-38PB-S1	1.2~1.5mm (22AWG)	1.6~2.8mm (22~14AWG)	
ATV04-38PB-S2	1.5~1.8mm (20AWG)		
ATV04-38PC-S1	1.2~1.5mm (22AWG)	1.6~2.8mm (22~14AWG)	
ATV04-38PC-S2	1.5~1.8mm (20AWG)		

* 注：产品已含垫片

适配防尘盖 Suitable dust cap	料号 Part number
	PL000761

适配端子 Suitable Contact

规格 Size	电流公端子 Pin P/N	线缆范围 Wire range	产品图 Product picture
16# 13A	SP14M1x	16-14	
	SP16M1x	18-16	
	SP20M1x	22-20	
	SP24M1x	26-24	
	MP14M23x	16-14	
	MP16M23x	18-16	
	MP20M23x	22-20	
	MP24M23x	26-24	
	MP14M25x	16-14	
	MP16M25x	18-16	
	MP20M25x	22-20	
	MP24M25x	26-24	

x 表面处理/Plating:

T - 镀锡/Tin plating

S - 镀银5μm/Silver plating 5μm

F - 镀金/Gold plating

G5 - 镀金5μ"/Gold Plating 5μm

G10 - 镀金10μ"/Gold Plating 10μm

G15 - 镀金15μ"/Gold Plating 15μm

G30 - 镀金30μ"/Gold Plating 30μm

规格 Size	信号公端子 Pin P/N	线缆范围 Wire range	产品图 Product picture
16# 2A	SC000571*	20-22	

* 表面处理/Plating:

T - 镀锡/Tin Plating

N - 镀镍/Nickel Plating

F - 镀金/Gold Plating

G5 - 镀金/5μ"Gold Plating 5μm

G15 - 镀金/15μ"Gold Plating 15μm

G30 - 镀金/30μ"Gold Plating 30μm



ATVSeries™

38孔连接器-插头 38POS connectors - Plug

插头料号 Plug P/N	线径范围(SIGNAL) WIRE & OD RANGE	线径范围(POWER) WIRE & OD RANGE	产品图 Product picture
ATV06-38SA-S1	1.2~1.5mm (22AWG)	1.6~2.8mm (22~14AWG)	
ATV06-38SA-S2	1.5~1.8mm (20AWG)		
ATV06-38SB-S1	1.2~1.5mm (22AWG)	1.6~2.8mm (22~14AWG)	
ATV06-38SB-S2	1.5~1.8mm (20AWG)		
ATV06-38SC-S1	1.2~1.5mm (22AWG)	1.6~2.8mm (22~14AWG)	
ATV06-38SC-S2	1.5~1.8mm (20AWG)		

* 注: 产品已含垫片

适配防尘盖 Suitable dust cap	料号 Part number
	PL000762

适配端子 Suitable Contact

规格 Size	电流母端子 Socket P/N	线缆范围 Wire range	产品图 Product picture
16# 13A	SS14M1x	16-14	
	SS16M1x	18-16	
	SS20M1x	22-20	
	SS24M1x	26-24	
	MS14M23x	16-14	
	MS16M23x	18-16	
	MS20M23x	22-20	
	MS24M23x	26-24	
	MS14M25x	16-14	
	MS16M25x	18-16	
	MS20M25x	22-20	
	MS24M25x	26-24	

x 表面处理/Plating:

T - 镀锡/Tin plating

S - 镀银5μm/Silver plating 5μm

F - 漂金/Gold plating

G5 - 镀金5μ"/Gold Plating 5μm

G10 - 镀金10μ"/Gold Plating 10μm

G15 - 镀金15μ"/Gold Plating 15μm

G30 - 镀金30μ"/Gold Plating 30μm

规格 Size	信号母端子 Socket P/N	线缆范围 Wire range	产品图 Product picture
16# 2A	SC000572*	20-22	

* 表面处理/Plating:

T - 镀锡/Tin Plating

N - 镀镍/Nickel Plating

F - 镀金/Gold Plating

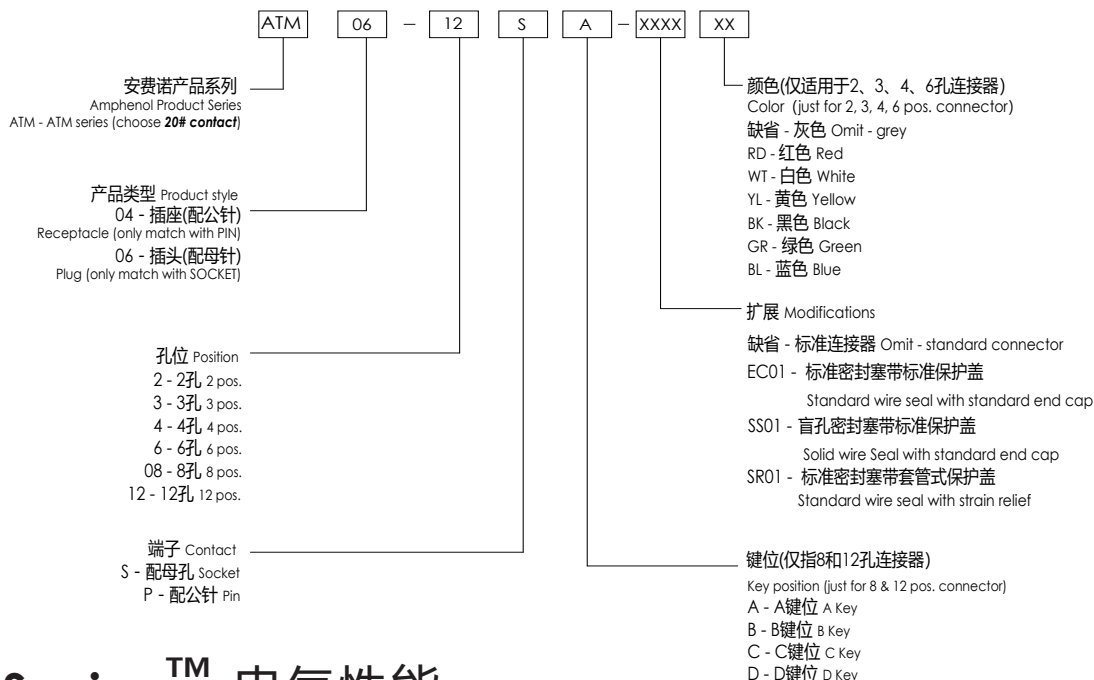
G5 - 镀金/5μ"Gold Plating 5μm

G15 - 镀金/15μ"Gold Plating 15μm

G30 - 镀金/30μ"Gold Plating 30μm

ATM系列料号编码

ATM series™ part number sequence



ATM Series™ 电气性能

Performance for ATM Series

温度范围 Temperature Range	额定电流时的连续工作温度范围：-55℃ ~ +125℃。 Operative at temperatures from -55°C to +125°C. Continuous at rated current.
浸水密封性 Submersion	连接好电线且拧紧连接器，当浸没在1m深的水中时，水不能渗入密封且不发生漏电现象。 Properly wired and mated connection will withstand immersion under 1 meter of water without loss of electronic qualities or leakage.
最大工作电流(最大线径) Max. Current (Max. Wire Gauge)	Max. 7.5A
额定工作电压 Rating Voltage	250V AC/DC according to IEC 500V AC/DC according to UL 1977
接触电阻 Contact Resistance	< 10 mΩ
测试电压 Dielectric withstanding voltage	在1500V AC下，漏电流小于2毫安。 Current leakage less than 2 milliampere under 1500 V AC.
机械寿命 Minimum Mating Cycles	装拆不小于100次，没有电气或机械上的缺陷。 No electrical or mechanical defects after more than 100 cycles of engagement and disengagement.
绝缘电阻 Insulation Resistance	在25℃时，不小于1000兆欧。 1000 megohms minimum at 25°C.
振动测试 Vibration	在三个相互垂直的平面内，以10~2000Hz, 20G加速度的正弦振动后，没有锁扣松脱，没有机械或物理的损坏，没有大于1微秒的断电现象。 No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.
热冲击测试 Thermal Cycle	从-55℃ 到 +125℃试验20个循环后，没有裂痕，碎屑等表面缺陷。 No cracking, chipping or leaking after 20 times test cycles from -55°C to +125°C.
RoHS Compliant	Yes
材料 Material	壳体和压板：热塑性材料 Housing and wedge: thermoplastic 密封件：硅橡胶材料 Seals: silicone elastomer 端子：铜合金、镀金、镀镍 Contact: copper alloy, nickel plated, gold plated

ATM系列正面视图

ATM series™ face view

插座料号 Receptacle Part No.	正面视图 Face View
ATM04-2P-XXXX	
ATM04-3P-XXXX	
ATM04-4P-XXXX	
ATM04-6P-XXXX	
ATM04-08PA-XXXX	
ATM04-08PB-XXXX	
ATM04-08PC-XXXX	
ATM04-08PD-XXXX	
ATM04-12PA-XXXX	
ATM04-12PB-XXXX	
ATM04-12PC-XXXX	
ATM04-12PD-XXXX	

插头料号 Plug Part No.	正面视图 Face View
ATM06-2S-XXXX	
ATM06-3S-XXXX	
ATM06-4S-XXXX	
ATM06-6S-XXXX	
ATM06-08SA-XXXX	
ATM06-08SB-XXXX	
ATM06-08SC-XXXX	
ATM06-08SD-XXXX	
ATM06-12SA-XXXX	
ATM06-12SB-XXXX	
ATM06-12SC-XXXX	
ATM06-12SD-XXXX	

ATM Series™ 连接器

ATM series™ connectors

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	压板选配 Suitable wedge
ATM06-2S	16~20 AWG	1.35~3.05mm		 P/N: AWM-2S
ATM06-2S-EC01	16~20 AWG	1.35~3.05mm		 P/N: AWM-2S
ATM06-2S-SS01	N/A	N/A		 P/N: AWM-2S
ATM06-3S	16~20 AWG	1.35~3.05mm		 P/N: AWM-3S
ATM06-4S	16~20 AWG	1.35~3.05mm		 P/N: AWM-4S
ATM06-6S	16~20 AWG	1.35~3.05mm		 P/N: AWM-6S
ATM06-08SA	16~20 AWG	1.35~3.05mm		 P/N: AWM-8S
ATM06-12SA	16~20 AWG	1.35~3.05mm		 P/N: AWM-12S
ATM06-12SA-SS01	N/A	N/A		 P/N: AWM-12S

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	压板选配 Suitable wedge
ATM04-2P	16~20 AWG	1.35~3.05mm		 P/N: AWM-2P
ATM04-2P-EC01	16~20 AWG	1.35~3.05mm		 P/N: AWM-2P
ATM04-2P-SS01	N/A	N/A		 P/N: AWM-2P
ATM04-3P	16~20 AWG	1.35~3.05mm		 P/N: AWM-3P
ATM04-4P	16~20 AWG	1.35~3.05mm		 P/N: AWM-4P
ATM04-6P	16~20 AWG	1.35~3.05mm		 P/N: AWM-6P
ATM04-08PA	16~20 AWG	1.35~3.05mm		 P/N: AWM-8P
ATM04-12PA	16~20 AWG	1.35~3.05mm		 P/N: AWM-12P
ATM04-12PA-SS01	N/A	N/A		 P/N: AWM-12P

备注：如何区分产品键位A、B、C、D，请参考第21页备注部分。
Note: How to distinguish the key. Please see Note Part of page 21.

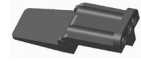
ATM Series™ 连接器

ATM series™ connectors

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	压板选配 Suitable wedge
ATM06-2S-SR01GY	16~20 AWG	1.35~3.05mm		 P/N: AWM-2S
ATM06-3S-SR01GY	16~20 AWG	1.35~3.05mm		 P/N: AWM-3S
ATM06-4S-SR01GY	16~20 AWG	1.35~3.05mm		 P/N: AWM-4S
ATM06-6S-SR01GY	16~20 AWG	1.35~3.05mm		 P/N: AWM-6S
ATM06-08SA-SR1GY	16~20 AWG	1.35~3.05mm		 P/N: AWM-8S
ATM06-12SA-SR1GY	16~20 AWG	1.35~3.05mm		 P/N: AWM-12S

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	压板选配 Suitable wedge
ATM04-2P-SR01GY	16~20 AWG	1.35~3.05mm		 P/N: AWM-2P
ATM04-3P-SR01GY	16~20 AWG	1.35~3.05mm		 P/N: AWM-3P
ATM04-4P-SR01GY	16~20 AWG	1.35~3.05mm		 P/N: AWM-4P
ATM04-6P-SR01GY	16~20 AWG	1.35~3.05mm		 P/N: AWM-6P
ATM04-08PA-SR1GY	16~20 AWG	1.35~3.05mm		 P/N: AWM-8P
ATM04-12PA-SR1GY	16~20 AWG	1.35~3.05mm		 P/N: AWM-12P

备注：如何区分产品键位A、B、C、D，请参考第21页备注部分。
Note: How to distinguish the key. Please see Note Part of page 21.

压板 Wedge	料号 Part number	适配连接器 Suitable connectors
	AWM-2SA	ATM06-2S-XXXX
	AWM-2SB	ATM06-2S-XXXX
	AWM-2PA	ATM04-2P-XXXX
	AWM-2PB	ATM04-2P-XXXX

ATM系列端子

ATM Series Contacts



适配插座规格 Size	冲压公针 Pin P/N	镀层 Plating	线缆范围 Wire range
20#	AT60-20-0122	Nickel-plated	16~22AWG
	AT60-20-0144	Gold-plated	16~22AWG
	AT60-20-0222	Nickel-plated	16~22AWG
	AT60-20-0244	Gold-plated	16~22AWG



适配插头规格 Size	冲压母针 Socket P/N	镀层 Plating	线缆范围 Wire range
20#	AT62-20-0122	Nickel-plated	16~22AWG
	AT62-20-0144	Gold-plated	16~22AWG
	AT62-20-0222	Nickel-plated	16~22AWG
	AT62-20-0244	Gold-plated	16~22AWG



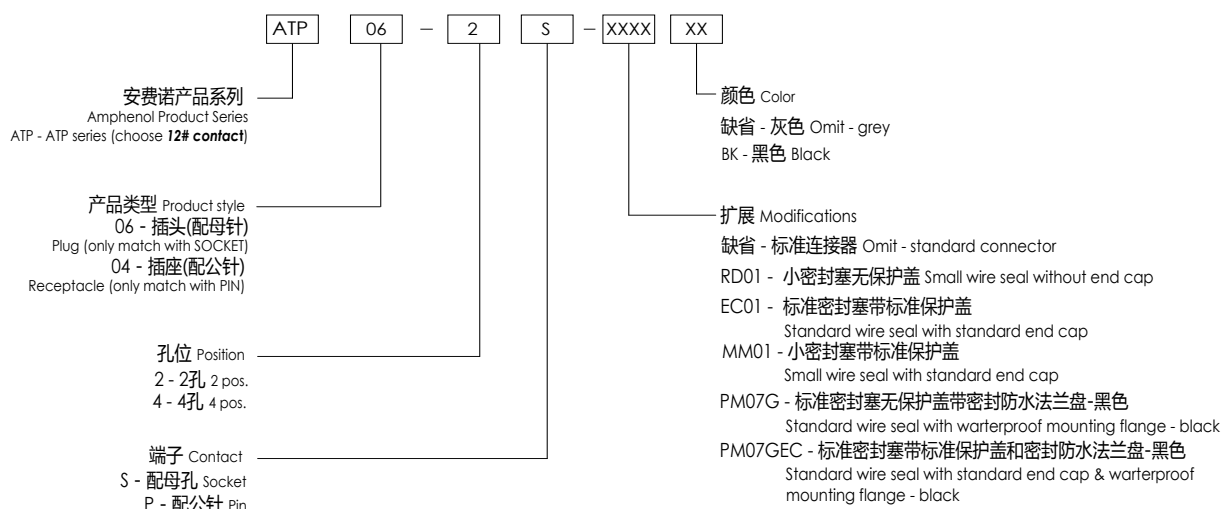
适配插座规格 Size	机加工公针 Pin P/N	镀层 Plating	线缆范围 Wire range
20#	AT60-202-20141	Nickel-plated	20AWG
	AT60-202-2031	Gold-plated	20AWG
	AT60-010-2031	Gold-plated	16~18AWG
	AT60-010-20141	Nickel-plated	16~18AWG



适配插头规格 Size	机加工母针 Socket P/N	镀层 Plating	线缆范围 Wire range
20#	AT62-201-20141	Nickel-plated	20AWG
	AT62-201-2031	Gold-plated	20AWG
	AT62-005-2031	Gold-plated	16~18AWG
	AT62-005-20141	Nickel-plated	16~18AWG

ATP系列料号编码

ATP series™ part number sequence



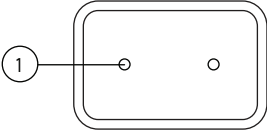
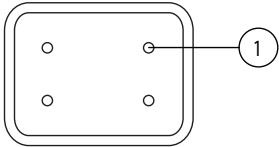
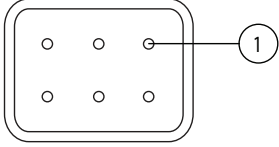
ATP Series™ 电气性能

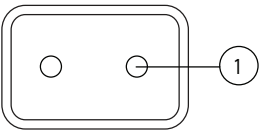
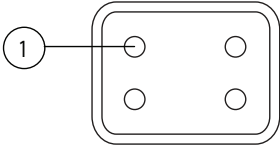
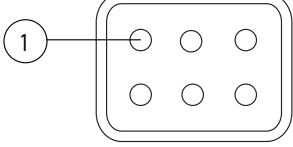
Performance for ATP Series

温度范围 Temperature Range	额定电流时的连续工作温度范围: -55°C ~ +125°C。 Operative at temperatures from -55°C to +125°C. Continuous at rated current.	
浸水密封性 Submersion	连接好电线且拧紧连接器, 当浸没在1m深的水中时, 水不能渗入密封且不发生漏电现象。 Properly wired and mated connection will withstand immersion under 1 meter of water without loss of electronic qualities or leakage.	
最大工作电流(最大线径) Max. Current (Max. Wire Gauge)	Max. 25A	
额定工作电压 Rating Voltage	250V AC/DC according to IEC 500V AC/DC according to UL 1977	
接触电阻 Contact Resistance	< 10 mΩ	
测试电压 Dielectric withstanding voltage	在1500V AC下, 漏电流小于2毫安。 Current leakage less than 2 milliampere under 1500 V AC.	
机械寿命 Minimum Mating Cycles	装拆不小于100次, 没有电气或机械上的缺陷。 No electrical or mechanical defects after more than 100 cycles of engagement and disengagement.	
绝缘电阻 Insulation Resistance	在25°C时, 不小于1000兆欧。 1000 megohms minimum at 25°C.	
振动测试 Vibration	在三个相互垂直的平面内, 以10~2000Hz, 20G加速度的正弦振动后, 没有锁扣松脱, 没有机械或物理的损坏, 没有大于1微秒的断电现象。 No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.	
热冲击测试 Thermal Cycle	从-55°C 到 +125°C试验20个循环后, 没有裂痕, 碎屑等表面缺陷。 No cracking, chipping or leaking after 20 times test cycles from -55°C to +125°C.	
RoHS Compliant	Yes	
材料 Material	壳体和压板: 热塑性材料 密封件: 硅橡胶材料 端子: 铜合金、镀金、镀镍	Housing and wedge: thermoplastic Seals: silicone elastomer Contact: copper alloy、nickel plated、gold plated

ATP系列正面视图

ATP series™ face view

插座料号 Receptacle Part No.	正面视图 Face View
ATP04-2P-XXXX	
ATP04-4P-XXXX	
ATP04-6P-XXXX	

插头料号 Plug Part No.	正面视图 Face View
ATP06-2S-XXXX	
ATP06-4S-XXXX	
ATP06-6S-XXXX	

ATP Series™ 连接器

ATP series™ connectors

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	压板选配 Suitable wedge
ATP04-2P	10~14 AWG	3.40~4.95mm		
ATP04-2P-RD01	12~14 AWG	2.44~4.01mm		P/N: AWP-2P
ATP04-2P-EC01	10~14 AWG	3.40~4.95mm		
ATP04-2P-MM01	12~14 AWG	2.44~4.01mm		P/N: AWP-2P
ATP04-4P	10~14 AWG	3.40~4.95mm		
ATP04-4P-RD01	12~14 AWG	2.44~4.01mm		P/N: AWP-4P
ATP04-4P-EC01	10~14 AWG	3.40~4.95mm		
ATP04-4P-MM01	12~14 AWG	2.44~4.01mm		P/N: AWP-4P
ATP04-6P	10~14 AWG	3.40~4.95mm		
ATP04-6P-RD01	12~14 AWG	2.44~4.01mm		P/N: AWP-6P
ATP04-6P-EC01	10~14 AWG	3.40~4.95mm		
ATP04-6P-MM01	12~14 AWG	2.44~4.01mm		P/N: AWP-6P
ATP04-4P-P018	N/A	N/A		N/A

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	压板选配 Suitable wedge
ATP06-2S	10~14 AWG	3.40~4.95mm		
ATP06-2S-RD01	12~14 AWG	2.44~4.01mm		P/N: AWP-2S
ATP06-2S-EC01	10~14 AWG	3.40~4.95mm		
ATP06-2S-MM01	12~14 AWG	2.44~4.01mm		P/N: AWP-2S
ATP06-4S	10~14 AWG	3.40~4.95mm		
ATP06-4S-RD01	12~14 AWG	2.44~4.01mm		P/N: AWP-4S
ATP06-4S-EC01	10~14 AWG	3.40~4.95mm		
ATP06-4S-MM01	12~14 AWG	2.44~4.01mm		P/N: AWP-4S
ATP06-6S	10~14 AWG	3.40~4.95mm		
ATP06-6S-RD01	12~14 AWG	2.44~4.01mm		P/N: AWP-6S
ATP06-6S-EC01	10~14 AWG	3.40~4.95mm		
ATP06-6S-MM01	12~14 AWG	2.44~4.01mm		P/N: AWP-6S

ATP系列端子

ATP Series Contacts



适配插座规格 Size	机加工公针 Pin P/N	镀层 Plating	线缆范围 Wire range
12#	AT60-220-1231-1618	Gold-plated	16~18AWG
	AT60-220-1231-1820	Gold-plated	18~22AWG
	AT60-204-12141	Nickel-plated	12~14AWG
	AT60-204-12141-10	Nickel-plated	10~12AWG
	AT60-220-1231	Gold-plated	12~14AWG

适配插头规格 Size	机加工母针 Socket P/N	镀层 Plating	线缆范围 Wire range
12#	AT62-210-1231-1618	Gold-plated	16~18AWG
	AT62-210-1231-1820	Gold-plated	18~22AWG
	AT62-203-12141	Nickel-plated	12~14AWG
	AT62-203-12141-10	Nickel-plated	10~12AWG
	AT62-210-1231	Gold-plated	12~14AWG



适配插座规格 Size	冲压公针 Pin P/N	镀层 Plating	线缆范围 Wire range
12#	AT60-12-0222	Nickel-plated	10-12AWG
	AT60-12-0244	Gold-plated	10-12AWG
	AT60-12-0166	Nickel-plated	12~14AWG
	AT60-12-0144	Gold-plated	12~14AWG

适配插头规格 Size	冲压母针 Socket P/N	镀层 Plating	线缆范围 Wire range
12#	AT62-12-0222	Nickel-plated	10-12AWG
	AT62-12-0244	Gold-plated	10-12AWG
	AT62-12-0166	Nickel-plated	12~14AWG
	AT62-12-0144	Gold-plated	12~14AWG

AHD Series™ 连接器简介

AHD series™ connectors profile

•安费诺赛特连接AHD Series™ 连接器,是针对绝大多数现有诊断产品的一个经济替代解决方案。连接器在设计上充分的考虑了成本控制,替换的可行性,我们可以提供6和9位的连接器。其中6位使用12#端子,最大电流25A; 9位使用16#端子,最大电流13A。该系列获得UL2441标准认证,证书号E322585。

•安费诺赛特连接AHD Series™ 连接器,我们提供可快速插拔,没有密封塞的选择方案,也可以提供带密封塞,带螺纹的选择方案。他们都可以用在DiagnosticGrade™ 预铸电缆上。

•Amphenol Sine Systems AHD Series™ Connectors were developed in response to the overwhelming need for an economic alternative to today's existing diagnostic product options. Designed specifically as a cost-conscious, reliable alternative, intermateable to industry standard 6 and 9 pin connectors, the AHD Series™ is ideal for any situation where either controlled and/or uncontrolled environmental conditions exist. It has been acquired UL2441. The file is E322585.

•Amphenol Sine Systems AHD Series™ Connectors offer both a smooth, non-sealing option for controlled applications, as well as an environmentally-sealed, threaded option for more demanding applications. The same applies for our DiagnosticGrade™ Cable Assemblies in that we provide both options for our customers.



特征

Feature

综合导向槽

Integrated alignment keys

热塑性壳体

Strong thermoplastic housing

工作温度范围: -55°C ~ +125°C

Operating temperature range: -55°C to +125°C

经济可行

Economically feasible

RoHS符合

RoHS compliant

产品材料

Product Material

壳体

Housing

密封件

Seal

端子

Contact

优势

Advantage

防呆设计

Tactile verification for blind mating

延伸服务

Extended service life

兼容性强

Wide range compatibility

低成本

Low overall cost

环保

Environmentally friendly

热塑性材料

Thermoplastic

硅橡胶材料

Silicone Elastomer

铜合金/镀金

Copper Alloy/Gold plated



AHD SeriesTM 规格

AHD seriesTM specifications

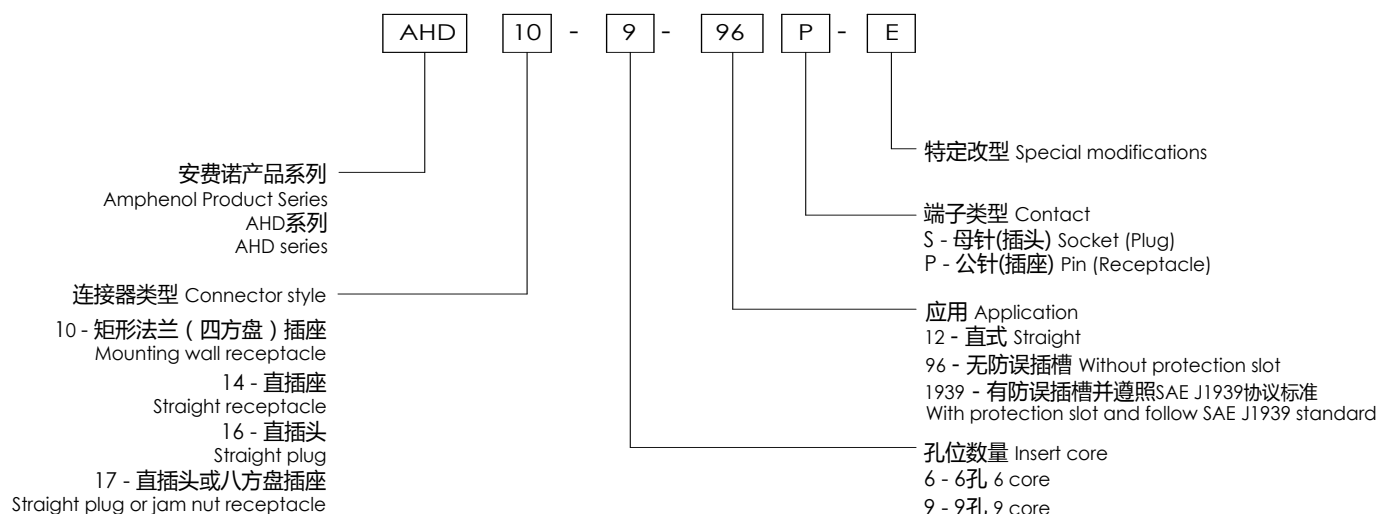
性能标准

Performance Criteria

额定电流 Current rating	DiagnosticGradeTM / 军用等级: #12号端子, 25A 最大值; #16号端子, 13A 最大值。 DiagnosticGradeTM / Military Style: #12 contact reaches to 25 amps max. current; #16 contact reaches to 13 amps max. current.
冲击 Shock	军用等级: 加速度50 g's时, 在三个互相垂直的空间内, 没有出现互锁, 互配或其他不能令人满意的结果。 Military Style: No locking, unmating or other unsatisfactory result after 50 g's in each of three mutually perpendicular planes.
介电强度 Dielectrical strength	DiagnosticGradeTM / 军用等级: 1500V 最小值 DiagnosticGradeTM / Military Style: 1500 volts minimum
振动 Vibration	军用等级: 保持连续性和出现任何机械或物理损坏后振动。(加速度20 g's, 频率: 10-2000 Hz) Military Style: Maintains continuity and exhibits no mechanical or physical damage after vibration. (20 g's at 10-2000 Hz)
额定工作电压 Rating Voltage	250V AC/DC according to IEC 500V AC/DC according to UL 1977
温度 Temperature	DiagnosticGradeTM / 军用等级: 在额定电流下, 工作温度范围: -55°C ~ +125°C DiagnosticGradeTM / Military Style: Operating temperature range: -55°C TO +125°C at rated current.
绝缘电阻 Insulation resistance	DiagnosticGradeTM / 军用等级: 在25°C时, 1000兆欧(最小值) DiagnosticGradeTM / Military Style: 1000 megohms minimum at 25°C.
机械寿命 Durability	DiagnosticGradeTM / 军用等级: 插拔不小于100次, 电气和机械性能不受影响 DiagnosticGradeTM / Military Style: No electric or mechanical defects after 100 cycles of engagement and disengagement.
腐蚀试验 Corrosion resistance	DiagnosticGradeTM / 军用等级: 根据MIL-STD 1344 1001测试方法, 48小时盐雾后, 连接器没有腐蚀的现象发生 DiagnosticGradeTM / Military Style: Connectors show no evidence of corrosion after exposure to 48 hours of salt spray per MIL-STD 1344 method 1001.

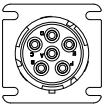
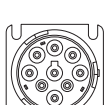
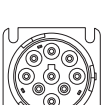
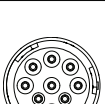
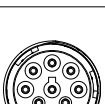
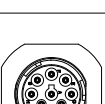
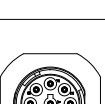
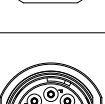
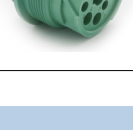
AHD系列料号编码

AHD seriesTM part number sequence



AHD系列插座

AHD series™ receptacles

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	正面视图 Face view
AHD10-6-12P-L	12~14 AWG	3.40~4.30mm		
AHD10-9-96P	14~20 AWG	2.54~3.81mm		
AHD10-9-96PE	14~20 AWG	1.35~3.05mm		
AHD10-9-1939P	14~20 AWG	2.54~3.81mm		
AHD10-9-1939PE	14~20 AWG	1.35~3.05mm		
AHD10-9-1939PNR	14~20 AWG	N/A		
AHD10-9-1939P80	14~20 AWG	2.54~3.81mm		
AHD10-9-1939P8R	14~20 AWG	1.35~3.05mm		
AHD14-9-96P	14~20 AWG	2.54~3.81mm		
AHD14-9-96PE	14~20 AWG	1.35~3.05mm		
AHD14-9-1939P	14~20 AWG	2.54~3.81mm		
AHD14-9-1939PE	14~20 AWG	1.35~3.05mm		
AHD17-9-1939PE	14~20 AWG	1.35~3.05mm		
AHD17-9-1939PES	14~20 AWG	2.54~3.81mm		
AHD17-9-1939PES80	14~20 AWG	2.54~3.81mm		
AHD10-9-1939P-B022	14~20 AWG	2.54~3.81mm		
AHD10-9-1939PR-B022	14~20 AWG	1.35~3.05mm		
AHD10-9-1939P-BP80	14~20 AWG	2.54~3.81mm		
AHD10-9-1939PR-BP80	14~20 AWG	1.35~3.05mm		

适配端子

Suitable Contact



适用产品系列 Suitable series	规格 Size	冲压公针 Pin P/N	镀层 Plating	线缆范围 Wire range
AHD (9 pos)	16#	AT60-14-0122	Nickel-plated	14~16AWG
		AT60-14-0144	Gold-plated	14~16AWG
		AT60-16-0122	Nickel-plated	16~18AWG
		AT60-16-0144	Gold-plated	16~18AWG
		AT60-16-0622	Nickel-plated	18~20AWG
		AT60-16-0644	Gold-plated	18~20AWG
		AT60-16-0822	Nickel-plated	20~22AWG
		AT60-16-0322	Nickel-plated	20~22AWG
		AT60-16-0844	Gold-plated	20~22AWG
AHD (6 pos)	12#	AT60-12-0222	Nickel-plated	10~12AWG
		AT60-12-0244	Gold-plated	10~12AWG
		AT60-12-0166	Nickel-plated	12~14AWG
		AT60-12-0144	Gold-plated	12~14AWG



适用产品系列 Suitable series	规格 Size	机加工公针 Pin P/N	镀层 Plating	线缆范围 Wire range
AHD (9 pos)	16#	AT60-202-1631	Gold-plated	16~18AWG
		AT60-202-16141	Nickel-plated	16~18AWG
		AT60-215-1631	Gold-plated	14AWG
		AT60-215-16141	Nickel-plated	14AWG
		AT60-202-1631-20	Gold-plated	18~20AWG
		AT60-202-16141-22	Nickel-plated	22~24AWG
AHD (6 pos)	12#	AT60-220-1231	Gold-plated	12~14AWG
		AT60-204-12141	Nickel-plated	12~14AWG
		AT60-220-1231-1618	Gold-plated	16~18AWG
		AT60-220-1231-1820	Gold-plated	18~22AWG

AHD系列插头

AHD series™ plugs

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	正面视图 Face view
AHD16-6-12S	12~14 AWG	3.40~4.30mm		
AHD16-6-12SB010	12~14 AWG	3.40~4.30mm		
AHD16-9-96S	14~20 AWG	2.54~3.81mm		
AHD16-9-96SE	14~20 AWG	1.35~3.05mm		
AHD16-9-1939S	14~20 AWG	2.54~3.81mm		
AHD16-9-1939SE	14~20 AWG	1.35~3.05mm		
AHD16-9-1939S80	14~20 AWG	2.54~3.81mm		
AHD16-9-1939S8R	14~20 AWG	1.35~3.05mm		
AHD17-9-1939S	14~20 AWG	2.54~3.81mm		
AHD17-9-1939SE	14~20 AWG	1.35~3.05mm		

适配端子

Suitable Contact



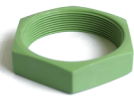
适用产品系列 Suitable series	规格 Size	冲压母针 Socket P/N	镀层 Plating	线缆范围 Wire range
AHD (9 pos)	16#	AT62-14-0122	Nickel-plated	14~16AWG
		AT62-14-0144	Gold-plated	14~16AWG
		AT62-16-0122	Nickel-plated	16~18AWG
		AT62-16-0144	Gold-plated	16~18AWG
		AT62-16-0622	Nickel-plated	18~20AWG
		AT62-16-0644	Gold-plated	18~20AWG
		AT62-16-0822	Nickel-plated	20~22AWG
AHD (6 pos)	12#	AT62-16-0844	Gold-plated	20~22AWG
		AT62-12-0222	Nickel-plated	10~12AWG
		AT62-12-0244	Gold-plated	10~12AWG
		AT62-12-0166	Nickel-plated	12~14AWG
		AT62-12-0144	Gold-plated	12~14AWG



适用产品系列 Suitable series	规格 Size	机加工母针 Socket P/N	镀层 Plating	线缆范围 Wire range
AHD (9 pos)	16#	AT62-201-1631	Gold-plated	16~18AWG
		AT62-201-16141	Nickel-plated	16~18AWG
		AT62-209-1631	Gold-plated	14AWG
		AT62-209-16141	Nickel-plated	14AWG
		AT62-201-1631-20	Gold-plated	18~20AWG
		AT62-201-16141-22	Nickel-plated	22~24AWG
AHD (6 pos)	12#	AT62-210-1231	Gold-plated	12~14AWG
		AT62-203-12141	Nickel-plated	12~14AWG
		AT62-210-1231-1618	Gold-plated	16~18AWG
		AT62-210-1231-1820	Gold-plated	18~22AWG

AHD 可选附件

AHD Optional accessories

类型 Series	料号 P/N	图片 Pictures	适用产品 Suitable products
螺母 Nut	AHD17-PN01		螺母, 适用于AHD17-9-1939PE和AHD17-9-1939PES Nut. For AHD17-9-1939PE & AHD17-9-1939PES
	AHD17-PN01-GRN		螺母, 适用于AHD17-9-1939PES80 Nut. For AHD17-9-1939PES80
取卸工具 Extraction tool	AT11-310-1605		适用于AHD, AHDP 使用size 16端子的连接器 For AHD & AHDP series which use 16# contacts
	AT11-337-1205		适用于AHDP, AHD 使用size 12端子的连接器 For AHDP & AHD series which use 12# contacts
尾部附件 Tail accessory	AHD-06SR		电缆尾夹, 外径范围14.5~18.0mm, 适用于AHD 6孔 Cable back shell, OD range 14.5-18.0mm, For AHD series 6pos.
	AHD-09SR		电缆尾夹, 外径范围14.5~18.0mm, 适用于AHD 9孔 Cable back shell, OD range 14.5-18.0mm, For AHD series 9pos.
	AHD18-006		尾部附件, 适用于AHD系列6孔 Strain relief, For AHD series 6pos
	AHD18-009		尾部附件, 适用于AHD系列9孔 Strain relief, For AHD series 9pos
防尘盖 Dust cap	AHDC169-T		适用于6 孔AHD系列插座, 灰色 For AHD series - 6 Pos receptacle, grey
	AHDC169-T-BLK		适用于9 孔AHD系列插座, 黑色 For AHD series - 9 Pos receptacle, black
	AHDC169-TM		适用于6 孔AHD系列插座, 灰色 For AHD series - 6 Pos receptacle, grey
	AHDC169-TMBLK		适用于9 孔AHD系列插座, 黑色 For AHD series - 9 Pos receptacle, black
	AHDC-16-6		适用于6 孔AHD系列插座, 灰色 For AHD series - 6 Pos receptacle, grey
	AHDC-16-9		适用于9 孔AHD系列插座, 灰色 For AHD series - 9 Pos receptacle, grey
	AHDC-16-9-BLK		适用于9 孔AHD系列插座, 黑色 For AHD series - 9 Pos receptacle, black

- 带有易握结构特色的安费诺AHDP 圆形连接器，可满足SAE J2030标准高性能要求。
- AHDP圆形连接器属于多芯混合圆形连接器，提供15种端子排布，可带可不带尾部附件。
- 面板安装或直线安装。
- 快速连接和断开的卡口式接头。
- 包含4到20号多种线规格用于电源和信号的回路。
- 连接器的壳体使用热塑性材料。
- 硅橡胶密封件适用于小线径和标准线径。
- 提供多种取卸工具。
- 可与德驰的HDP20系列互配和互换。
- 公母能互反排布。
- Amphenol AHDP Circular Connectors feature aggressive grip construction which can withstand high vibration to meet the SAE J2030 standard.
- Multi pin, circular connectors. The offering includes 15 terminal configurations with or without backshells.
- Bulkhead mounting or In-Line.
- Quick connect, Quick disconnect bayonet coupling.
- Multiple AWG's 4 AWG to 20 AWG for power and signal circuits.
- Thermoplastic for the shell.
- Silicone wire seals available in Reduced Diameter and Normal.
- Serviceable with removal tool.
- Interchangeable with Deutsch HDP20 Series.
- Reverse and standard arrangements.



AHDP Series™ 电气性能

Performance for AHDP Series

温度范围 Temperature

额定电流时的连续工作温度范围: -55° C to +125° C
Operating at temperatures -55°C to +125°C

机械寿命 Durability

装拆不小于 100 次，没有电气和机械上的缺陷。
No electrical or mechanical defects after 100 cycles of engagement and disengagement.

振动测试 Vibration

在三个相互垂直的平面内，以 10~2000Hz, 20G 加速度的正弦振动后，没有锁扣松脱，没有机械或物理的损坏，没有大于 1 微秒的断电现象。No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20 G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.

绝缘电阻 Insulation Resistance

在 25°C 时，不小于 1000 兆欧。
1000 megohms minimum at 25°C.

气密性 Immersion

IP67 & IP69K

额定电压 Rating Voltage

250V AC/DC except 24-29, 24-31, 24-47 according to UL 1977

抗湿性 Moisture Resistance

连接器适配后，侵入三英尺的水下没有电气损耗或泄漏。
Properly wired and mated connections will withstand immersion under three feet of water without loss of electronic qualities or leakage.

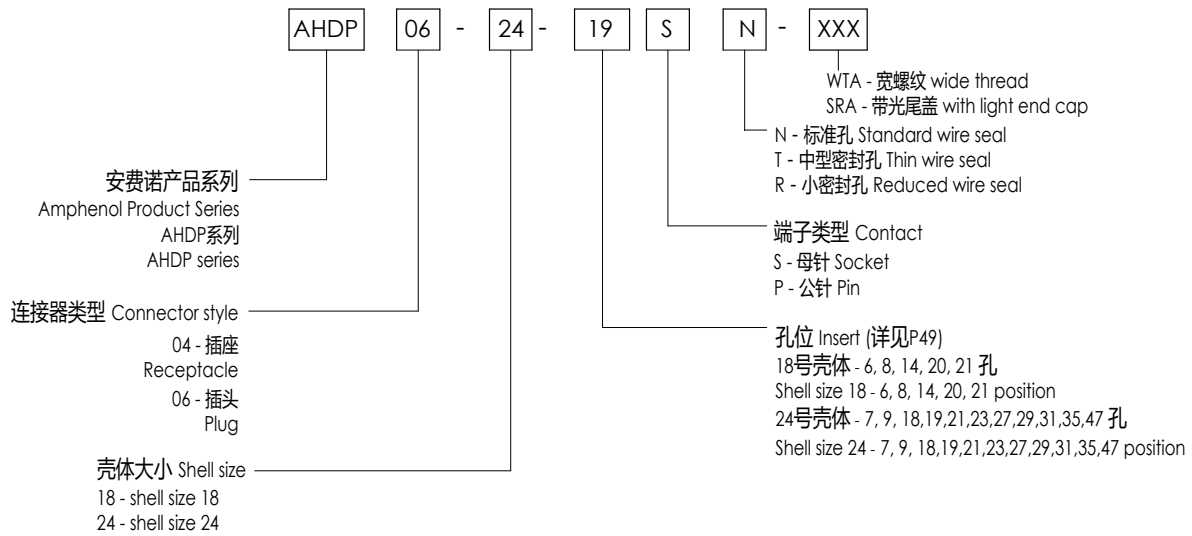
测试电压 Dielectric Withstanding Voltage

在 1500V AC 下，漏电流小于 2 毫安。
Current leakage less than 2 milliamps at 1500 volts AC.

热冲击测试 Thermal Cycle

从 -55°C 到 +125°C 试验 20 个循环后，没有裂痕，碎屑等表面缺陷。
No cracking, chipping or leaking after 20 test cycles from -55°C to +125°C

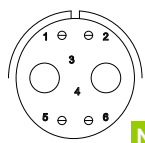
料号编码 part number sequence



Amphenol PART #	DEUTSCH CROSS	Seal Type/ Adaptor Color	Description
AHDP04-18-06PN-WTA	HDP24-18-6PN-L024		RECPT, 18 SZ 06 PIN, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-18-06PN-WTAC030	HDP24-18-6PN-C030		RECPT, 18 SZ 06 PIN, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD, cavities 1, 2, 5, 6 blocked
AHDP06-18-06SN-WTA	HDP26-18-6SN-L024		PLUG, 18 SZ 8 SOCKET, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-18-06SN-WTAC030	HDP26-18-6SN-C030		PLUG, 18 SZ 06 PIN, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD, cavities 1, 2, 5, 6 blocked
AHDP04-18-08PN-WTA	HDP24-18-08PN-L024		RECPT, 18 SZ 8 PIN, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-18-08SN-WTA	HDP26-18-08SN-L024		PLUG, 18 SZ 8 SOCKET, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-18-08SN-WTA	HDP24-18-08SN-L024		RECPT, 18 SZ 8 SOCKET, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-18-08PN-WTA	HDP26-18-08PN-L024		PLUG, 18 SZ 8 PIN, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-18-08PR-WTA	HDP24-18-08PE-L024		RECPT, 18 SZ 8 PIN, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-18-08SR-WTA	HDP26-18-08SE-L024		PLUG, 18 SZ 8 SOCKET, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-18-08SR-WTA	HDP24-18-08SE-L024		RECPT, 18 SZ 8 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-18-08PR-WTA	HDP26-18-08PE-L024		PLUG, 18 SZ 8 PIN, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-18-14PN-WTA	HDP24-18-14PN-L024		RECPT, 18 SZ 14 PIN, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-18-14SN-WTA	HDP26-18-14SN-L024		PLUG, 18 SZ 14 SOCKET, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-18-14SN-WTA	HDP24-18-14SN-L024		RECPT, 18 SZ 14 SOCKET, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-18-14PN-WTA	HDP26-18-14PN-L024		PLUG, 18 SZ 14 PIN, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-18-14PR-WTA	HDP24-18-14PE-L024		RECPT, 18 SZ 14 PIN, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-18-14SR-WTA	HDP26-18-14SE-L024		PLUG, 18 SZ 14 SOCKET, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-18-14SR-WTA	HDP24-18-14SE-L024		RECPT, 18 SZ 14 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-18-14PR-WTA	HDP26-18-14PE-L024		PLUG, 18 SZ 14 PIN, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-18-20SR-WTA	HDP24-18-20SE-L024		RECPT, 18 SZ 20 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-18-20PR-WTA	HDP26-18-20PE-L024		RECPT, 18 SZ 20 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-18-20SN-WTA	HDP24-18-20SN-L024		RECPT, 18 SZ 20 SOCKET, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-18-20PN-WTA	HDP26-18-20PN-L024		PLUG, 18 SZ 20 PIN, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-18-20PR-WTA	HDP24-18-20PE-L024		RECPT, 18 SZ 20 PIN, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-18-20SR-WTA	HDP26-18-20SE-L024		PLUG, 18 SZ 20 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-18-20PN-WTA	HDP24-18-20PN-L024		RECPT, 18 SZ 20 PIN, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-18-20SN-WTA	HDP26-18-20SN-L024		PLUG, 18 SZ 20 SOCKET, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-18-21PN-WTA	HDP24-18-21PN-L024		RECPT, 18 SZ 21 PIN, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-18-21SN-WTA	HDP26-18-21SN-L024		PLUG, 18 SZ 21 SOCKET, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-18-21SN-WTA	HDP24-18-21SN-L024		RECPT, 18 SZ 21 SOCKET, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-18-21PN-WTA	HDP26-18-21PN-L024		PLUG, 18 SZ 21 PIN, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD

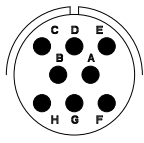
Amphenol PART #	DEUTSCH CROSS	Seal Type/ Adaptor Color	Description
AHDP04-24-21PR-WTA	HDP24-24-21PE-L024		RECPT, 24 SZ 21 PIN, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-21SR-WTA	HDP26-24-21SE-L024		PLUG, 24 SZ 21 SOCKET, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-21PN-WTA	HDP24-24-21PN-L024		RECPT, 24 SZ 21 PIN, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-24-21SN-WTA	HDP26-24-21SN-L024		PLUG, 24 SZ 21 SOCKET, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-24-21SR-WTA	HDP24-24-21SE-L024		RECPT, 24 SZ 21 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-21PR-WTA	HDP26-24-21PE-L024		PLUG, 24 SZ 21 PIN, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-21SN-WTA	HDP24-24-21SN-L024		RECPT, 24 SZ 21 SOCKET, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-24-21PN-WTA	HDP26-24-21PN-L024		PLUG, 24 SZ 21 PIN, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-24-23PN-WTA	HDP24-24-23PN-L024		RECPT, 24 SZ 23 PIN, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-24-23SN-WTA	HDP26-24-23SN-L024		PLUG, 24 SZ 23 SOCKET STND ARRANGEMENT, NORMAL SEAL WIDE THREAD
AHDP04-24-23PR-WTA	HDP24-24-23PE-L024		RECPT, 24 SZ 23 PIN, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-23SR-WTA	HDP26-24-23SE-L024		PLUG, 24 SZ 23 SOCKET, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-23SN-WTA	HDP24-24-23SN-L024		RECPT, 24 SZ 23 SOCKET, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-24-23PN-WTA	HDP26-24-23PN-L024		PLUG, 24 SZ 23 PIN, REVERSE ARRANGEMENT, NORMAL SEAL WIDE THREAD
AHDP04-24-23SR-WTA	HDP24-24-23SE-L024		RECPT, 24 SZ 23 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-23PR-WTA	HDP26-24-23PE-L024		PLUG, 24 SZ 23 PIN, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-27PR-WTA	special		RECPT, 24 SZ 27 PIN, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-27SR-WTA	special		PLUG, 24 SZ 27 SOCKET STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-27SR-WTA	special		RECPT, 24 SZ 27 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-27PR-WTA	special		PLUG, 24 SZ 27 PIN, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-29PR-WTA	HDP24-24-29PE-L024		RECPT, 24 SZ 29 PIN, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-29SR-WTA	HDP26-24-29SE-L024		PLUG, 24 SZ 29 SOCKET STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-29SR-WTA	HDP24-24-29SE-L024		RECPT, 24 SZ 29 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-29PR-WTA	HDP26-24-29PE-L024		PLUG, 24 SZ 29 PIN, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-31PT-WTA	HDP24-24-31PT-L024		RECPT, 24 SZ 31 PIN, STND ARRANGEMENT, THIN SEAL WIDE THREAD
AHDP06-24-31ST-WTA	HDP26-24-31ST-L024		PLUG, 24 SZ 31 SOCKET, STND ARRANGEMENT, THIN SEAL WIDE THREAD
AHDP04-24-31PR-WTA	HDP24-24-31PE-L024		RECPT, 24 SZ 31 PIN, STND ARRANGEMENT, RD01 SEAL WIDE THREAD
AHDP06-24-31SR-WTA	HDP26-24-31SE-L024		PLUG, 24 SZ 31 SOCKET, STND ARRANGEMENT, RD01 SEAL WIDE THREAD
AHDP04-24-31ST-WTA	HDP24-24-31ST-L024		RECPT, 24 SZ 31 SOCKET, REVERSE ARRANGEMENT, THIN SEAL WIDE THREAD
AHDP06-24-31PT-WTA	HDP26-24-31PT-L024		PLUG, 24 SZ 31 PIN, REVERSE ARRANGEMENT, THIN SEAL WIDE THREAD
AHDP04-24-31SR-WTA	HDP24-24-31SE-L024		RECPT, 24 SZ 31 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL WIDE THREAD
AHDP06-24-31PR-WTA	HDP26-24-31PE-L024		PLUG, 24 SZ 31 PIN, REVERSE ARRANGEMENT, RD01 SEAL WIDE THREAD
AHDP04-24-35PR-WTA	HDP24-24-35PE-L024		RECPT, 24 SZ 35 PIN, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-35SR-WTA	HDP26-24-35SE-L024		PLUG, 24 SZ 35 SOCKET, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-35SR-WTA	HDP24-24-35SE-L024		RECPT, 24 SZ 35 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-35PR-WTA	HDP26-24-35PE-L024		PLUG, 24 SZ 35 PIN, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-47PR-WTA	HDP24-24-47PE-L024		RECPT, 24 SZ 47 PIN, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-47SR-WTA	HDP26-24-47SE-L024		PLUG, 24 SZ 47 SOCKET, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-47SR-WTA	HDP24-24-47SE-L024		RECPT, 24 SZ 47 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-47PR-WTA	HDP26-24-47PE-L024		PLUG, 24 SZ 47 PIN, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD

Amphenol PART #	DEUTSCH CROSS	Seal Type/ Adaptor Color	Description
AHDP04-24-07PN-WTA	special		RECPT, 24 SZ 7 PIN, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-24-07SN-WTA	special		PLUG, 24 SZ 7 SOCKET, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-24-07SN-WTA	special		RECPT, 24 SZ 7 SOCKET, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-24-07PN-WTA	special		PLUG, 24 SZ 7 PIN, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-24-07PN-WTACL22	HDP24-24-7PN-CL22		Recept, 24 SZ 7 PIN, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-24-07SN-WTACL22	HDP26-24-7SN-CL22		PLUG, 24 SZ 7 SOCKET, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-24-09PR-WTA	HDP24-24-9PE-L024		RECPT, 24 SZ 9 PIN, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-09SR-WTA	HDP26-24-9SE-L024		PLUG, 24 SZ 9 SOCKET, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-09SR-WTA	HDP24-24-9SE-L024		RECPT, 24 SZ 9 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-09PR-WTA	HDP26-24-9PE-L024		PLUG, 24 SZ 9 PIN, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-18PN-WTA	HDP24-24-18PN-L024		RECPT, 24 SZ 18 PIN, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-24-18SN-WTA	HDP26-24-18SN-L024		PLUG, 24 SZ 18 SOCKET, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-24-18PR-WTA	HDP24-24-18PE-L024		RECPT, 24 SZ 18 PIN, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-18SR-WTA	HDP26-24-18SE-L024		PLUG, 24 SZ 18 SOCKET, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-18SN-WTA	HDP24-24-18SN-L024		RECPT, 24 SZ 18 SOCKET, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-24-18PN-WTA	HDP26-24-18PN-L024		PLUG, 24 SZ 18 PIN, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-24-18SR-WTA	HDP24-24-18SE-L024		RECPT, 24 SZ 18 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-18PR-WTA	HDP26-24-18PE-L024		PLUG, 24 SZ 18 PIN, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-19PN-WTA	HDP24-24-19PN-L024		RECPT, 24 SZ 19 PIN, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-24-19SN-WTA	HDP26-24-19SN-L024		PLUG, 24 SZ 19 SOCKET, STND ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-24-19PR-WTA	HDP24-24-19PE-L024		RECPT, 24 SZ 19 PIN, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-19SR-WTA	HDP26-24-19SE-L024		PLUG, 24 SZ 19 SOCKET, STND ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP04-24-19SN-WTA	HDP24-24-19SN-L024		RECPT, 24 SZ 19 SOCKET, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP06-24-19PN-WTA	HDP26-24-19PN-L024		PLUG, 24 SZ 19 PIN, REVERSE ARRANGEMENT, NORMAL SEAL, WIDE THREAD
AHDP04-24-19SR-WTA	HDP24-24-19SE-L024		RECPT, 24 SZ 19 SOCKET, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD
AHDP06-24-19PR-WTA	HDP26-24-19PE-L024		PLUG, 24 SZ 19 PIN, REVERSE ARRANGEMENT, RD01 SEAL, WIDE THREAD



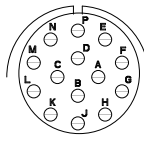
18-06
2 SIZE 4 &
4 SIZE 16

N



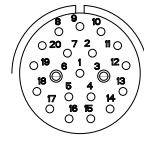
18-08
8 SIZE 12

N R



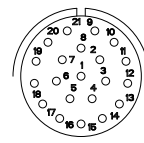
18-14
14 SIZE 16

N R



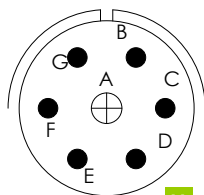
18-20
2 SIZE 16
18 SIZE 20

N R



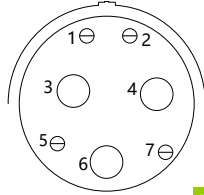
18-21
21 SIZE 20

N



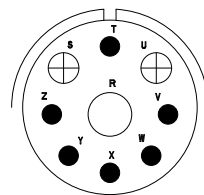
24-07
1 SIZE 8
6 SIZE 12

N



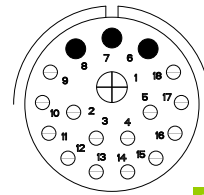
24-07CL22
3 SIZE 4
4 SIZE 16

N



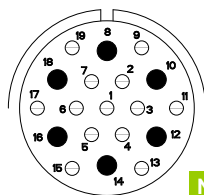
24-09
1 SIZE 4
2 SIZE 8
6 SIZE 12

R



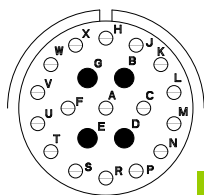
24-18
1 SIZE 08
3 SIZE 12
14 SIZE 16

N R



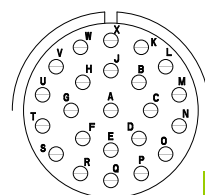
24-19
6 SIZE 12
13 SIZE 16

N R



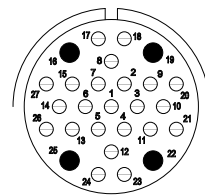
24-21
4 SIZE 12
17 SIZE 16

N R



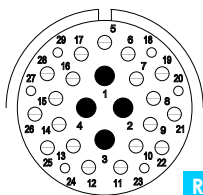
24-23
23 SIZE 16

N R



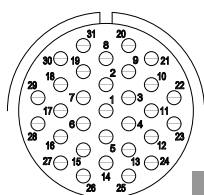
24-27
4 SIZE 12
23 SIZE 16

R



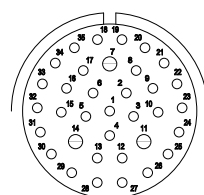
24-29
4 SIZE 12
19 SIZE 16
6 SIZE 20

R



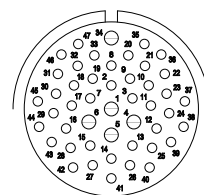
24-31
31 SIZE 16

T R



24-35
3 SIZE 16
32 SIZE 20

R



24-47
5 SIZE 16
42 SIZE 20

R

AHDP系列电线绝缘外径范围

AHDP series™ Insulation O.D

端子规格 Contact Size	额定电流 Rated Current	推荐绝缘外径范围 Recommended wire overall insulation O.D		
		N型 绿色环 N type	T型 灰色环 T type	R型 蓝色环 R type
#4(4AWG)	100A	7.90mm ~ 10.67mm	N/A	6.63mm~7.41mm
#4(6AWG)				
#8	60A	4.83mm ~ 6.10mm	N/A	3.43mm~5.59mm
#12	25A	3.40mm ~ 4.32mm	N/A	2.46mm ~ 4.01mm
#16	13A	2.54mm ~ 3.40mm	2.23mm ~ 3.40mm	1.35mm ~ 3.05mm
#20	7.5A	N/A	N/A	1.02mm ~ 2.41mm

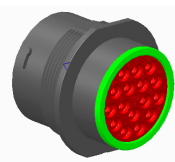
插头料号 Plug P/N	产品图 Product picture	说明 Note
AHDP06-24-19SN-WTA		N型绿色环 端子类型: 母针 N Type Contact: Socket
AHDP06-24-19PN-WTA		N型绿色环 端子类型: 公针 N Type Contact: Pin
AHDP06-24-19SR-WTA		R型蓝色环 端子类型: 母针 R Type Contact: Socket
AHDP06-24-19PR-WTA		R型蓝色环 端子类型: 公针 R Type Contact: Pin
AHDP06-24-31ST-WTA		T型灰色环 端子类型: 母针 T Type Contact: Socket
AHDP06-24-31PT-WTA		T型灰色环 端子类型: 公针 T Type Contact: Pin
AHDP06-24-31SR-WTA		R型蓝色环 端子类型: 母针 T Type Contact: Socket
AHDP06-24-31PR-WTA		R型蓝色环 端子类型: 公针 T Type Contact: Pin

插座料号 Receptacle P/N	产品图 Product picture	说明 Note
AHDP04-24-19PN-WTA		N型绿色环 端子类型: 公针 N Type Contact: Pin
AHDP04-24-19SN-WTA		N型绿色环 端子类型: 母针 N Type Contact: Socket
AHDP04-24-19PR-WTA		R型蓝色环 端子类型: 公针 R Type Contact: Pin
AHDP04-24-19SR-WTA		R型蓝色环 端子类型: 母针 R Type Contact: Socket
AHDP04-24-31PT-WTA		T型灰色环 端子类型: 公针 T Type Contact: Pin
AHDP04-24-31ST-WTA		T型灰色环 端子类型: 母针 T Type Contact: Socket
AHDP04-24-31PR-WTA		R型蓝色环 端子类型: 公针 T Type Contact: Pin
AHDP04-24-31SR-WTA		R型蓝色环 端子类型: 母针 T Type Contact: Socket



DURA|MATE™ AHDP

插座和插头 receptacles and plugs

插头料号 Plug P/N	产品图 Product picture	插座料号 Receptacle P/N	产品图 Product picture	Seal Type/ Adaptor Color
AHDP06-18-06SN-WTA		AHDP04-18-06PN-WTA		
AHDP06-18-06SN-WTAC030		AHDP04-18-06PN-WTAC030		
AHDP06-18-08SN-WTA		AHDP04-18-08PN-WTA		
AHDP06-18-08SR-WTA		AHDP04-18-08PR-WTA		
AHDP06-18-08PN-WTA		AHDP04-18-08SN-WTA		
AHDP06-18-08PR-WTA		AHDP04-18-08SR-WTA		
AHDP06-18-14SN-WTA		AHDP04-18-14PN-WTA		
AHDP06-18-14SR-WTA		AHDP04-18-14PR-WTA		
AHDP06-18-14PN-WTA		AHDP04-18-14SN-WTA		
AHDP06-18-14PR-WTA		AHDP04-18-14SR-WTA		
AHDP06-18-14PR-SRA		AHDP04-18-14SR-SRA		
AHDP06-18-20SN-WTA		AHDP04-18-20PN-WTA		
AHDP06-18-20SR-WTA		AHDP04-18-20PR-WTA		
AHDP06-18-20PN-WTA		AHDP04-18-20SN-WTA		
AHDP06-18-20PR-WTA		AHDP04-18-20SR-WTA		
AHDP06-18-21SN-WTA		AHDP04-18-21PN-WTA		
AHDP06-18-21PN-WTA		AHDP04-18-21SN-WTA		



DURA|MATE™ AHDP 插座和插头 receptacles and plugs

插头料号 Plug P/N	产品图 Product picture	插座料号 Receptacle P/N	产品图 Product picture	Seal Type/ Adaptor Color
AHDP06-24-07SN-WTA		AHDP04-24-07PN-WTA		
AHDP06-24-07PN-WTA		AHDP04-24-07SN-WTA		
AHDP06-24-07SN-WTACL22		AHDP04-24-07PN-WTACL22		
AHDP06-24-09SR-WTA		AHDP04-24-09PR-WTA		
AHDP06-24-09PR-WTA		AHDP04-24-09SR-WTA		
AHDP06-24-18SN-WTA		AHDP04-24-18PN-WTA		
AHDP06-24-18SR-WTA		AHDP04-24-18PR-WTA		
AHDP06-24-18PN-WTA		AHDP04-24-18SN-WTA		
AHDP06-24-18PR-WTA		AHDP04-24-18SR-WTA		
AHDP06-24-19SN-WTA		AHDP04-24-19PN-WTA		
AHDP06-24-19SR-WTA		AHDP04-24-19PR-WTA		
AHDP06-24-19PN-WTA		AHDP04-24-19SN-WTA		
AHDP06-24-19PR-WTA		AHDP04-24-19SR-WTA		
AHDP06-24-21SN-WTA		AHDP04-24-21PN-WTA		
AHDP06-24-21SR-WTA		AHDP04-24-21PR-WTA		
AHDP06-24-21PN-WTA		AHDP04-24-21SN-WTA		
AHDP06-24-21PR-WTA		AHDP04-24-21SR-WTA		
AHDP06-24-23SN-WTA		AHDP04-24-23PN-WTA		
AHDP06-24-23SR-WTA		AHDP04-24-23PR-WTA		
AHDP06-24-23PN-WTA		AHDP04-24-23SN-WTA		
AHDP06-24-23PR-WTA		AHDP04-24-23SR-WTA		

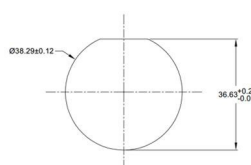


DURA|MATE™ AHDP

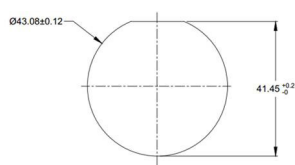
插座和插头 receptacles and plugs

插头料号 Plug P/N	产品图 Product picture	插座料号 Receptacle P/N	产品图 Product picture	Seal Type/ Adaptor Color
AHDP06-24-27SR-WTA		AHDP04-24-27PR-WTA		
AHDP06-24-27PR-WTA		AHDP04-24-27SR-WTA		
AHDP06-24-29SR-WTA		AHDP04-24-29PR-WTA		
AHDP06-24-29PR-WTA		AHDP04-24-29SR-WTA		
AHDP06-24-31SR-WTA		AHDP04-24-31PR-WTA		
AHDP06-24-31ST-WTA		AHDP04-24-31PT-WTA		
AHDP06-24-31PR-WTA		AHDP04-24-31SR-WTA		
AHDP06-24-31PT-WTA		AHDP04-24-31ST-WTA		
AHDP06-24-35SR-WTA		AHDP04-24-35PR-WTA		
AHDP06-24-35PR-WTA		AHDP04-24-35SR-WTA		
AHDP06-24-47SR-WTA		AHDP04-24-47PR-WTA		
AHDP06-24-47PR-WTA		AHDP04-24-47SR-WTA		

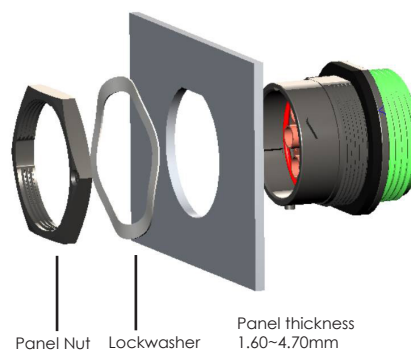
Receptacle Mounting



Shell Size 18



Shell Size 24



Panel Nut

Lockwasher

Panel thickness
1.60~4.70mm

**DURA|MATE AHDP****端子
Contacts****冲压成型端子 Stamped & Formed Contacts**

适用产品系列 Suitable series	规格 Size	冲压公针 Pin P/N	冲压母针 Socket P/N	镀层 Plating	线缆范围 Wire range
AHDP (20, 21, 29, 35, 47 pos)	20# 7.5A	AT60-20-0122	AT62-20-0122	Nickel-plated	16~22AWG
		AT60-20-0144	AT62-20-0144	Gold-plated	16~22AWG
		AT60-20-0222	AT62-20-0222	Nickel-plated	16~22AWG
		AT60-20-0244	AT62-20-0244	Gold-plated	16~22AWG
AHDP (6, 14, 18, 19, 20, 21, 23, 27, 29, 31, 35, 47 pos)	16# 13A	AT60-14-0122	AT62-14-0122	Nickel-plated	14~16AWG
		AT60-14-0144	AT62-14-0144	Gold-plated	14~16AWG
		AT60-16-0122	AT62-16-0122	Nickel-plated	16~18AWG
		AT60-16-0144	AT62-16-0144	Gold-plated	16~18AWG
		AT60-16-0622	AT62-16-0622	Nickel-plated	18~20AWG
		AT60-16-0644	AT62-16-0644	Gold-plated	18~20AWG
		AT60-16-0822	AT62-16-0822	Nickel-plated	20~22AWG
		AT60-16-0322	NA	Nickel-plated	20~22AWG
AHDP (7, 8, 9, 18, 19, 21, 27, 29 pos)	12# 25A	AT60-16-0844	AT62-16-0844	Gold-plated	20~22AWG
		AT60-12-0222	AT62-12-0222	Nickel-plated	10~12AWG
		AT60-12-0244	AT62-12-0244	Gold-plated	10~12AWG
		AT60-12-0166	AT62-12-0166	Nickel-plated	12~14AWG
		AT60-12-0144	AT62-12-0144	Gold-plated	12~14AWG

机加工端子 Machined Contacts

适用产品系列 Suitable series	规格 Size	机加工公针 Pin P/N	机加工母针 Socket P/N	镀层 Plating	线缆范围 Wire range
AHDP (20, 21, 29, 35, 47 pos pos)	20# 7.5A	AT60-202-2031	AT62-201-2031	Gold-plated	20AWG
		AT60-202-20141	AT62-201-20141	Nickel-plated	20AWG
		AT60-010-2031	AT62-005-2031	Gold-plated	16~18AWG
		AT60-010-20141	AT62-005-20141	Nickel-plated	16~18AWG
AHDP (6, 14, 18, 19, 20, 21, 23, 27, 29, 31, 35, 47 pos)	16# 13A	AT60-202-1631	AT62-201-1631	Gold-plated	16~18AWG
		AT60-202-16141	AT62-201-16141	Nickel-plated	16~18AWG
		AT60-215-1631	AT62-209-1631	Gold-plated	14AWG
		AT60-215-16141	AT62-209-16141	Nickel-plated	14AWG
		AT60-202-1631-20	AT62-201-1631-20	Gold-plated	18~20AWG
		AT60-202-16141-22	AT62-201-16141-22	Nickel-plated	22~24AWG
AHDP (7, 8, 9, 18, 19, 21, 27, 29 pos)	12# 25A	AT60-220-1231	AT62-210-1231	Gold-plated	12~14AWG
		AT60-204-12141	AT62-203-12141	Nickel-plated	12~14AWG
		AT60-220-1231-1618	AT62-210-1231-1618	Gold-plated	16~18AWG
		AT60-220-1231-1820	AT62-210-1231-1820	Gold-plated	18~22AWG
AHDP (7 pos only)	3.6mm 70A	SC000345	SC000346	Silver-plated	7~10AWG
AHDP (7 pos CL22 only)	4# 100A	AT60-203-04141-4	AT62-203-04141-4	Nickel-plated	4AWG
AHDP(9,18 pos)	8# 60A	AT60-204-08141	AT62-203-08141	Nickel-plated	8~10AWG
AHDP(6, 9 pos)	4# 100A	AT60-204-0490	AT62-203-04141	Nickel-plated	6AWG

AHDP 可选附件

AHDP Optional accessories

类型 Series	料号 P/N	图片 Pictures	适用产品 Suitable products
螺母 Nut	AHDP18-PN01		螺母, 适用于AHDP系列18号壳体插座 Nut. For AHDP series Receptacle, Size 18
	AHDP24-PN01		螺母, 适用于AHDP系列24号壳体插座 Nut. For AHDP series Receptacle, Size 24 AHD10-9-1939Px-B022/BP80
取卸工具 Extraction tool	AT11-310-1605		适用于AHD, AHDP 使用size 16端子的连接器 For AHD & AHDP series which use 16# contacts
	AT11-337-1205		适用于AHDP, AHD 使用size 12端子的连接器 For AHDP & AHD series which use 12# contacts
	AT11-240-2005		适用于AHDP 使用size 20端子的连接器 For AHDP series which use 20# contacts
	AT11-001-3.6M		适用于AHDP的7POS 的3.6mm端子的连接器 For 7 pos of AHDP series which use 3.6mm contacts
	AT11-027-0405		适用于AHDP使用size 4端子/4AWG线的连接器 For AHDP series which use size 4 contacts/ 4AWG wire
	AT114008		适用于AHDP使用size 8端子/ 8-10AWG线的连接器 For AHDP series which use size 8 contacts/ 8-10AWG wire
	AT114009		适用于AHDP使用size 4端子/6AWG线的连接器 For AHDP series which use size 4 contacts/ 6AWG wire
金属波纹环 Metal lock	AT14-001-2486		金属波纹环, 适用于AHDP系列插座,24号壳体 Metal lock. For AHDP series Receptacle,SIZE 24.
	AT14-002-1886		金属波纹环, 适用于AHDP系列插座,18号壳体Metal lock. For AHDP series Receptacle,SIZE 18.
垫片 Gasket	AHDP-16-04978		垫片, 适用于AHDP系列插座,18号壳体 Gasket. For AHDP series Receptacle,SIZE 18.
	AHDP-16-04477		垫片, 适用于AHDP系列插座,24号壳体 Gasket. For AHDP series Receptacle,SIZE 24.
防尘盖 Dust cap	AHDC06-18		适用于AHDP size 18插座 For AHDP size 18 receptacle.
	AHDC06-24		适用于AHDP size 24插座 For AHDP size 24 receptacle.
	AHDC04-18		适用于AHDP size 18插头 For AHDP size 18 plug.
	AHDC04-24		适用于AHDP size 24插头 For AHDP size 24 plug.
	AHDC04-24-PM		适用于AHDP size 24 插头 For AHDP size 24 plug.

AHDP 可选附件

AHDP Optional accessories

类型 Series	料号 P/N	图片 Pictures	适用产品 Suitable products
尾部附件 Tail accessory	AHDPBS-015-1805		弯尾夹适用于AHDP/AHDM 18 NW13/17/19 波纹管
	AHDPBS-016-1805		直尾夹适用于AHDP / AHDM 18 NW13/17/19 波纹管
	AHDPBS-010-2405		直尾夹, 适用于AHDP / AHDM 24 N.W.17/19/26 波纹管 Straight back shell for AHDP24 N.W.17/19/26 tube.
	AHDPBS-011-2405		90度弯尾夹, 适用于AHDP / AHDM 24 N.W.17/19/26 波纹管 Right angle back shell for AHDP24 N.W.17/19/26 tube.
	AHDPBS-18-001		电子线尾夹, 适用于AHDP size 18 Wire back shell. For AHDP size 18.
	AHDPBS-18-002		电缆尾夹, 外径范围14.5-18.0mm, 适用于AHDP size 18 Cable back shell, OD range 14.5-18.0mm. For AHDP size 18.
	AHDPBS-0406-001		电子线尾夹, 适用于AHDP size 24 Wire back shell. For AHDP size 24.
	AHDPBS-0406-002		电缆尾夹, 外径范围14.5-18.0mm, 适用于AHDP size 24 Cable back shell, OD range 14.5-18.0mm. For AHDP size 24.
	AHDPBS-0406-003		电缆尾夹, 外径范围20.5-24.2mm, 适用于AHDP size 24 Cable back shell, OD range 20.5-24.2mm. For AHDP size 24.
	AHDPBS-0406-SM01		电缆防水尾夹, 外径范围14~18mm, AHDP Size 24 Cable waterproof back shell, OD range 14-18mm. For AHDP size 24.

- 带有易握结构特色的安费诺AHDM 圆形连接器，可满足SAE J2030标准高性能要求。
- AHDM圆形连接器属于多芯混合圆形连接器，提供15种端子排布，可带可不带尾部附件。
- 面板安装或直线安装。
- 快速连接和断开的卡口式接头。
- 包含4到20号多种线规格用于电源和信号的回路。
- 连接器的壳体使用铝合金和锌合金材料。
- 硅橡胶密封件适用于小线径和标准线径。
- 提供多种拆卸工具。
- 可与德驰的HD30系列互配和互换。
- 公母能互反排布。
- Amphenol AHDM Circular Connectors feature aggressive grip construction which can withstand high vibration to meet the SAE J2030 standard.
- Multi pin, circular connectors. The offering includes 15 terminal configurations with or without backshells.
- Bulkhead mounting or In-Line.
- Quick connect, Quick disconnect bayonet coupling.
- Multiple AWG's 4 AWG to 20 AWG for power and signal circuits.
- aluminum & Zinc Alloy housing
- Silicone wire seals available in Reduced Diameter and Normal.
- Serviceable with removal tool.
- Interchangeable with Deutsch HD30 Series.
- Reverse and standard arrangements.

AHDM Series™ 电气性能

Performance for AHDM Series



温度范围 Temperature

额定电流时的连续工作温度范围: -55° C to +125° C
Operating at temperatures -55°C to +125°C

机械寿命 Durability

装拆不小于 100 次，没有电气和机械上的缺陷。
No electrical or mechanical defects after 100 cycles of engagement and disengagement.

振动测试 Vibration

在三个相互垂直的平面内，以 10~2000Hz,20G 加速度的正弦振动后，没有锁扣松脱，没有机械或物理的损坏，没有大于 1 微秒的断电现象。No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20 G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.

绝缘电阻 Insulation Resistance

在 25°C 时，不小于 1000 兆欧。
1000 megohms minimum at 25°C.

气密性 Immersion

IP67 & IP69K

额定电压 Rating Voltage

250V AC/DC except 24-29,24-31,24-47 according to UL 1977

抗湿性 Moisture Resistance

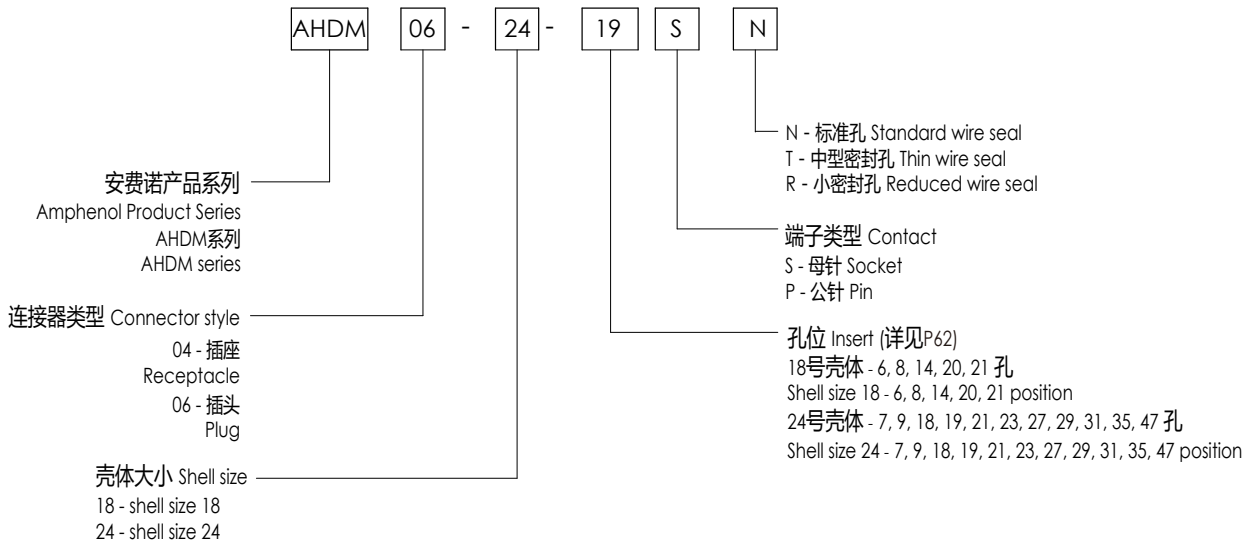
连接器适配后，侵入三英尺的水下没有电气损耗或泄漏。
Properly wired and mated connections will withstand immersion under three feet of water without loss of electronic qualities or leakage.

测试电压 Dielectric Withstanding Voltage

在 1500V AC 下，漏电流小于 2 毫安。
Current leakage less than 2 milliamps at 1500 volts AC.

热冲击测试 Thermal Cycle

从 -55°C 到 +125°C 试验 20 个循环后，没有裂痕，碎屑等表面缺陷。
No cracking, chipping or leaking after 20 test cycles from -55°C to +125°C

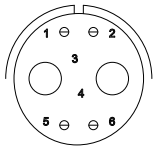


Amphenol Part#	Description	Positions	Seal Type/ Adaptor Color
AHDM04-18-06PN	RECPT, AHDM, 18 SHELL, 6 WAY, N SEAL, REVERSE	6	
AHDM04-18-06PN-C030	RECPT,AHDM, 18 SHELL, 2 WAY, N SEAL, CAVITIES1, 2, 5, 6 BLOCKED	2	
AHDM04-18-08PN	RECPT,18 SZ 08 PIN,ST,WIDE TRD	8	
AHDM04-18-08PR	RECPT,18 SZ 08 PIN,RD,WIDE TRD	8	
AHDM04-18-08SN	RECPT,18 SZ 08 SOC,ST,WIDE TRD	8	
AHDM04-18-08SR	RECPT,18 SZ 08 SOC,RD,WIDE TRD	8	
AHDM04-18-14PN	RECPT,18 SZ 14 PIN,ST,WIDE TRD	14	
AHDM04-18-14PR	RECPT,18 SZ 14 PIN,RD,WIDE TRD	14	
AHDM04-18-14SN	RECPT,18 SZ 14 SOC,ST,WIDE TRD	14	
AHDM04-18-14SR	RECPT,18 SZ 14 SOC,RD,WIDE TRD	14	
AHDM04-18-20PN	RECPT,18 SZ 20 PIN,ST,WIDE TRD	20	
AHDM04-18-20PR	RECPT,18 SZ 20 PIN,RD,WIDE TRD	20	
AHDM04-18-20SN	RECPT,18 SZ 20 SOC,ST,WIDE TRD	20	
AHDM04-18-20SR	RECPT,18 SZ 20 SOC,RD,WIDE TRD	20	
AHDM04-18-21PN	RECPT,18 SZ 21 PIN,ST,WIDE TRD	21	
AHDM04-18-21SN	RECPT,18 SZ 21 SOC,ST,WIDE TRD	21	
AHDM04-24-07PN	RECPT,24 SZ 07 PIN,ST,WIDE TRD	7	
AHDM04-24-07SN	RECPT,24 SZ 07 SOC,ST,WIDE TRD	7	

Amphenol Part#	Description	Positions	Seal Type/ Adaptor Color
AHDM04-24-09PR	RECPT,24 SZ 18 PIN,RD,WIDE TRD	9	
AHDM04-24-09SR	RECPT,24 SZ 18 SOC,RD,WIDE TRD	9	
AHDM04-24-18PN	RECPT,24 SZ 18 PIN,ST,WIDE TRD	18	
AHDM04-24-18PR	RECPT,24 SZ 18 PIN,RD,WIDE TRD	18	
AHDM04-24-18SN	RECPT,24 SZ 18 SOC,ST,WIDE TRD	18	
AHDM04-24-18SR	RECPT,24 SZ 18 SOC,RD,WIDE TRD	18	
AHDM04-24-19PN	RECPT,24 SZ 19 PIN,ST,WIDE TRD	19	
AHDM04-24-19PR	RECPT,24 SZ 19 PIN,RD,WIDE TRD	12	
AHDM04-24-19SN	RECPT,24 SZ 19 SOC,ST,WIDE TRD	12	
AHDM04-24-19SR	RECPT,24 SZ 19 SOC,RD,WIDE TRD	12	
AHDM04-24-21PN	RECPT,24 SZ 21 PIN,ST,WIDE TRD	21	
AHDM04-24-21PR	RECPT,24 SZ 19 PIN,RD,WIDE TRD	21	
AHDM04-24-21SN	RECPT,24 SZ 21 SOC,ST,WIDE TRD	21	
AHDM04-24-21SR	RECPT,24 SZ 21 SOC,RD,WIDE TRD	21	
AHDM04-24-23PN	RECPT,24 SZ 23 PIN,ST,WIDE TRD	23	
AHDM04-24-23PR	RECPT,24 SZ 23 PIN,RD,WIDE TRD	23	
AHDM04-24-23SN	RECPT,24 SZ 23 SOC,ST,WIDE TRD	23	
AHDM04-24-23SR	RECPT,24 SZ 23 SOC,RD,WIDE TRD	23	
AHDM04-24-27PR	RECPT,24 SZ 27 PIN,RD,WIDE TRD	27	
AHDM04-24-27SR	RECPT,24 SZ 27 SOC,RD,WIDE TRD	27	
AHDM04-24-29PR	RECPT,24 SZ 29 PIN,RD,WIDE TRD	29	
AHDM04-24-29SR	RECPT,24 SZ 29 SOC,RD,WIDE TRD	29	
AHDM04-24-31PR	RECPT,24 SZ 31 PIN,RD,WIDE TRD	31	
AHDM04-24-31PT	RECPT,24 SZ 31 PIN,THIN,WIDE T	31	
AHDM04-24-31SR	RECPT,24 SZ 31 SOC,RD,WIDE TRD	31	
AHDM04-24-31ST	RECPT,24 SZ 31 SOC,THIN,WIDE T	31	

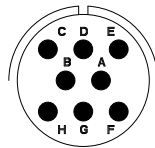
Amphenol Part#	Description	Positions	Seal Type/ Adaptor Color
AHDM04-24-35PR	RECPT,24 SZ 35 PIN,RD,WIDE TRD	35	
AHDM04-24-35SR	RECPT,24 SZ 35 SOC,RD,WIDE TRD	35	
AHDM04-24-47PR	RECPT,24 SZ 47 PIN,RD,WIDE TRD	47	
AHDM04-24-47SR	RECPT,24 SZ 47 SOC,RD,WIDE TRD	47	
AHDM06-18-06PN	PLUG, AHDM, 18 SHELL, 6 WAY, N SEAL, REVERSE	6	
AHDM06-18-06PN-C030	PLUG, AHDM, 18 SHELL, 2 WAY, N SEAL, CAVITIES 1, 2, 5, 6 BLOCKED	2	
AHDM06-18-08PN	PLUG,18 SZ 08 PIN,ST,WIDE TRD	8	
AHDM06-18-08PR	PLUG,18 SZ 08 PIN,RD,WIDE TRD	8	
AHDM06-18-08SN	PLUG,18 SZ 08 SOC,ST,WIDE TRD	8	
AHDM06-18-08SR	PLUG,18 SZ 08 SOC,RD,WIDE TRD	8	
AHDM06-18-14PN	PLUG,18 SZ 14 PIN,ST,WIDE TRD	14	
AHDM06-18-14PR	PLUG,18 SZ 14 PIN,RD,WIDE TRD	14	
AHDM06-18-14SN	PLUG,18 SZ 14 SOC,ST,WIDE TRD	14	
AHDM06-18-14SR	PLUG,18 SZ 14 SOC,RD,WIDE TRD	14	
AHDM06-18-20PN	PLUG,18 SZ 20 PIN,ST,WIDE TRD	20	
AHDM06-18-20PR	PLUG,18 SZ 20 PIN,RD,WIDE TRD	20	
AHDM06-18-20SN	PLUG,18 SZ 20 SOC,ST,WIDE TRD	20	
AHDM06-18-20SR	PLUG,18 SZ 20 SOC,RD,WIDE TRD	20	
AHDM06-18-21PN	PLUG,18 SZ 21 PIN,ST,WIDE TRD	21	
AHDM06-18-21SN	PLUG,18 SZ 21 SOC,ST,WIDE TRD	21	
AHDM06-24-07PN	PLUG,24 SZ 07 PIN,ST,WIDE TRD	7	
AHDM06-24-07SN	PLUG,24 SZ 07 SOC,ST,WIDE TRD	7	
AHDM06-24-09PR	PLUG,24 SZ 9 PIN,RD,WIDE TRD	9	
AHDM06-24-09SR	PLUG,24 SZ 9 SOC,RD,WIDE TRD	9	
AHDM06-24-18PN	PLUG,24 SZ 18 PIN,ST,WIDE TRD	18	
AHDM06-24-18PR	PLUG,24 SZ 18 PIN,RD,WIDE TRD	18	
AHDM06-24-18SN	PLUG,24 SZ 18 SOC,ST,WIDE TRD	18	
AHDM06-24-18SR	PLUG,24 SZ 18 SOC,RD,WIDE TRD	18	

Amphenol Part#	Description	Positions	Seal Type/ Adaptor Color
AHDM06-24-19PN	PLUG,24 SZ 19 PIN,ST,WIDE TRD	19	
AHDM06-24-19PR	PLUG,24 SZ 19 PIN,RD,WIDE TRD	12	
AHDM06-24-19SN	PLUG,24 SZ 19 SOC,ST,WIDE TRD	12	
AHDM06-24-19SR	PLUG,24 SZ 19 SOC,RD,WIDE TRD	12	
AHDM06-24-21PN	PLUG,24 SZ 21 PIN,ST,WIDE TRD	21	
AHDM06-24-21PR	PLUG,24 SZ 21 PIN,RD,WIDE TRD	21	
AHDM06-24-21SN	PLUG,24 SZ 21 SOC,ST,WIDE TRD	21	
AHDM06-24-21SR	PLUG,24 SZ 21 SOC,RD,WIDE TRD	21	
AHDM06-24-23PN	PLUG,24 SZ 23 PIN,ST,WIDE TRD	23	
AHDM06-24-23PR	PLUG,24 SZ 23 PIN,RD,WIDE TRD	23	
AHDM06-24-23SN	PLUG,24 SZ 23 SOC,ST,WIDE TRD	23	
AHDM06-24-23SR	PLUG,24 SZ 23 SOC,RD,WIDE TRD	23	
AHDM06-24-27PR	PLUG,24 SZ 27 PIN,RD,WIDE TRD	27	
AHDM06-24-27SR	PLUG,24 SZ 27 SOC,RD,WIDE TRD	27	
AHDM06-24-29PR	PLUG,24 SZ 29 PIN,RD,WIDE TRD	29	
AHDM06-24-29SR	PLUG,24 SZ 29 SOC,RD,WIDE TRD	29	
AHDM06-24-31PR	PLUG,24 SZ 31 PIN,RD,WIDE TRD	31	
AHDM06-24-31PT	PLUG,24 SZ 31 PIN,THIN,WIDE TR	31	
AHDM06-24-31SR	PLUG,24 SZ 31 SOC,RD,WIDE TRD	31	
AHDM06-24-31ST	PLUG,24 SZ 31 SOC,THIN,WIDE TR	31	
AHDM06-24-35PR	PLUG,24 SZ 35 PIN,RD,WIDE TRD	35	
AHDM06-24-35SR	PLUG,24 SZ 35 SOC,RD,WIDE TRD	35	
AHDM06-24-47PR	PLUG,24 SZ 47 PIN,RD,WIDE TRD	47	
AHDM06-24-47SR	PLUG,24 SZ 47 SOC,RD,WIDE TRD	47	



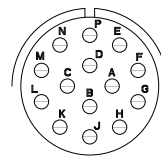
18-06
2 SIZE 4 &
4 SIZE 16

N



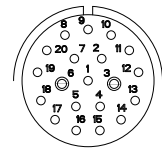
18-08
8 SIZE 12

N R



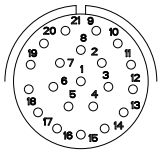
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14 SIZE 16

N R



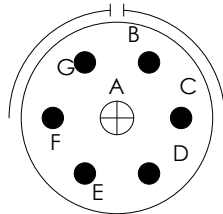
18-20
2 SIZE 16
18 SIZE 20

N R



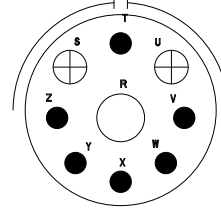
18-21
21 SIZE 20

N



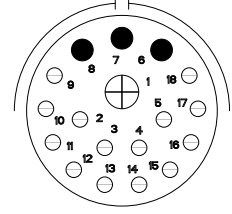
24-07
1 SIZE 8
6 SIZE 12

N



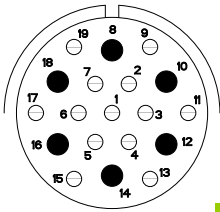
24-09
1 SIZE 4
2 SIZE 8
6 SIZE 12

R



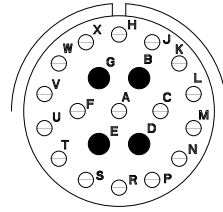
24-18
1 SIZE 08
3 SIZE 12
14 SIZE 16

N R



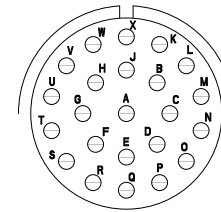
24-19
6 SIZE 12
13 SIZE 16

N R



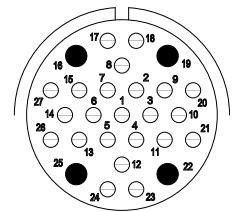
24-21
4 SIZE 12
17 SIZE 16

N R



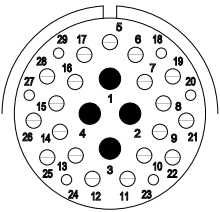
24-23
23 SIZE 16

N R



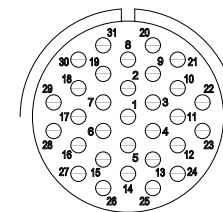
24-27
4 SIZE 12
23 SIZE 16

R



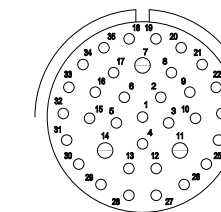
24-29
4 SIZE 12
19 SIZE 16
6 SIZE 20

R



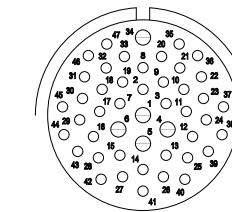
24-31
31 SIZE 16

T R



24-35
3 SIZE 16
32 SIZE 20

R



24-47
5 SIZE 16
42 SIZE 20

R

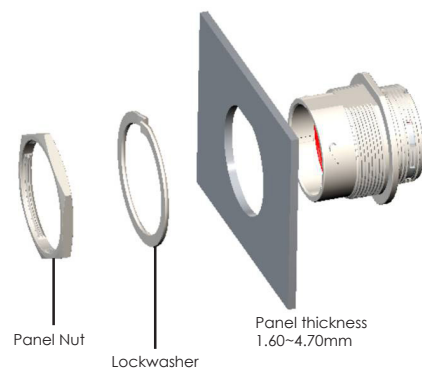
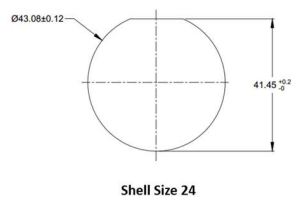
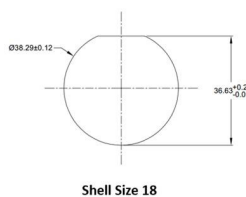
AHDM系列电线绝缘外径范围

AHDM series™ Insulation O.D

端子规格 Contact Size	额定电流 Rated Current	推荐绝缘外径范围 Recommended wire overall insulation O.D		
		N型 绿色环 N type	T型 灰色环 T type	R型 蓝色环 R type
#4	100A	N/A	N/A	6.63mm~7.41mm
#8	60A	4.83mm ~ 6.10mm	N/A	3.43mm~5.59mm
#12	25A	3.40mm ~ 4.32mm	N/A	2.46mm ~ 4.01mm
#16	13A	2.54mm ~ 3.40mm	2.23mm ~ 3.40mm	1.35mm ~ 3.05mm
#20	7.5A	N/A	N/A	1.02mm ~ 2.41mm

插头料号 Plug P/N	产品图 Product picture	插座料号 Receptacle P/N	产品图 Product picture	Seal Type/ Adaptor Color
AHDM06-18-06SN		AHDM04-18-06PN		
AHDM06-18-06SN-C030		AHDM04-18-06PN-C030		
AHDM06-18-08SN		AHDM04-18-08PN		
AHDM06-18-08SR		AHDM04-18-08PR		
AHDM06-18-08PN		AHDM04-18-08SN		
AHDM06-18-08PR		AHDM04-18-08SR		
AHDM06-18-14SN		AHDM04-18-14PN		
AHDM06-18-14SR		AHDM04-18-14PR		
AHDM06-18-14PN		AHDM04-18-14SN		
AHDM06-18-14PR		AHDM04-18-14SR		
AHDM06-18-20SN		AHDM04-18-20PN		
AHDM06-18-20SR		AHDM04-18-20PR		
AHDM06-18-20PN		AHDM04-18-20SN		
AHDM06-18-20PR		AHDM04-18-20SR		
AHDM06-18-21SN		AHDM04-18-21PN		
AHDM06-18-21PN		AHDM04-18-21SN		

Receptacle Mounting



**DURA|MATE™ AHDM**

插座和插头

receptacles and plugs

插头料号 Plug P/N	产品图 Product picture	插座料号 Receptacle P/N	产品图 Product picture	Seal Type/ Adaptor Color
AHDM06-24-07SN		AHDM04-24-07PN		
AHDM06-24-07PN		AHDM04-24-07SN		
AHDM06-24-09SR		AHDM04-24-09PR		
AHDM06-24-09PR		AHDM04-24-09SR		
AHDM06-24-18SN		AHDM04-24-18PN		
AHDM06-24-18SR		AHDM04-24-18PR		
AHDM06-24-18PN		AHDM04-24-18SN		
AHDM06-24-18PR		AHDM04-24-18SR		
AHDM06-24-19SN		AHDM04-24-19PN		
AHDM06-24-19SR		AHDM04-24-19PR		
AHDM06-24-19PN		AHDM04-24-19SN		
AHDM06-24-19PR		AHDM04-24-19SR		
AHDM06-24-21SN		AHDM04-24-21PN		
AHDM06-24-21SR		AHDM04-24-21PR		
AHDPM06-24-21PN		AHDM04-24-21SN		
AHDM06-24-21PR		AHDM04-24-21SR		
AHDM06-24-23SN		AHDM04-24-23PN		
AHDM06-24-23SR		AHDM04-24-23PR		
AHDM06-24-23PN		AHDM04-24-23SN		
AHDM06-24-23PR		AHDM04-24-23SR		

插头料号 Plug P/N	产品图 Product picture	插座料号 Receptacle P/N	产品图 Product picture	Seal Type/ Adaptor Color
AHDM06-24-27SR		AHDM04-24-27PR		
AHDM06-24-27PR		AHDM04-24-27SR		
AHDM06-24-29SR		AHDM04-24-29PR		
AHDM06-24-29PR		AHDM04-24-29SR		
AHDM06-24-31SR		AHDM04-24-31PR		
AHDM06-24-31ST		AHDM04-24-31PT		
AHDM06-24-31PR		AHDM04-24-31SR		
AHDM06-24-31PT		AHDM04-24-31ST		
AHDM06-24-35SR		AHDM04-24-35PR		
AHDM06-24-35PR		AHDM04-24-35SR		
AHDM06-24-47SR		AHDM04-24-47PR		
AHDM06-24-47PR		AHDM04-24-47SR		



冲压成型端子 Stamped & Formed Contacts

适用产品系列 Suitable series	规格 Size	冲压公针 Pin P/N	冲压母针 Socket P/N	镀层 Plating	线缆范围 Wire range
AHDM (20, 21, 29, 35, 47 pos)	20# 7.5A	AT60-20-0122	AT62-20-0122	Nickel-plated	16~22AWG
		AT60-20-0144	AT62-20-0144	Gold-plated	16~22AWG
		AT60-20-0222	AT62-20-0222	Nickel-plated	16~22AWG
		AT60-20-0244	AT62-20-0244	Gold-plated	16~22AWG
AHDM (6, 14, 18, 19, 20, 21, 23, 27, 29, 31, 35, 47 pos)	16# 13A	AT60-14-0122	AT62-14-0122	Nickel-plated	14~16AWG
		AT60-14-0144	AT62-14-0144	Gold-plated	14~16AWG
		AT60-16-0122	AT62-16-0122	Nickel-plated	16~18AWG
		AT60-16-0144	AT62-16-0144	Gold-plated	16~18AWG
		AT60-16-0622	AT62-16-0622	Nickel-plated	18~20AWG
		AT60-16-0644	AT62-16-0644	Gold-plated	18~20AWG
		AT60-16-0822	AT62-16-0822	Nickel-plated	20~22AWG
		AT60-16-0322	NA	Nickel-plated	20~22AWG
AHDM (7, 8, 9, 18, 19, 21, 27, 29 pos)	12# 25A	AT60-12-0222	AT62-12-0222	Nickel-plated	10~12AWG
		AT60-12-0244	AT62-12-0244	Gold-plated	10~12AWG
		AT60-12-0166	AT62-12-0166	Nickel-plated	12~14AWG
		AT60-12-0144	AT62-12-0144	Gold-plated	12~14AWG

机加工端子 Machined Contacts



适用产品系列 Suitable series	规格 Size	机加工公针 Pin P/N	机加工母针 Socket P/N	镀层 Plating	线缆范围 Wire range
AHDM (20, 21, 29, 35, 47 pos pos)	20# 7.5A	AT60-202-2031	AT62-201-2031	Gold-plated	20AWG
		AT60-202-20141	AT62-201-20141	Nickel-plated	20AWG
		AT60-010-2031	AT62-005-2031	Gold-plated	16~18AWG
		AT60-010-20141	AT62-005-20141	Nickel-plated	16~18AWG
AHDM (6, 14, 18, 19, 20, 21, 23, 27, 29, 31, 35, 47 pos)	16# 13A	AT60-202-1631	AT62-201-1631	Gold-plated	16~18AWG
		AT60-202-16141	AT62-201-16141	Nickel-plated	16~18AWG
		AT60-215-1631	AT62-209-1631	Gold-plated	14AWG
		AT60-215-16141	AT62-209-16141	Nickel-plated	14AWG
		AT60-202-1631-20	AT62-201-1631-20	Gold-plated	18~20AWG
		AT60-202-16141-22	AT62-201-16141-22	Nickel-plated	22~24AWG
AHDM(7, 8, 9, 18, 19, 21, 27, 29 pos)	12# 25A	AT60-220-1231	AT62-210-1231	Gold-plated	12~14AWG
		AT60-204-12141	AT62-203-12141	Nickel-plated	12~14AWG
		AT60-220-1231-1618	AT62-210-1231-1618	Gold-plated	16~18AWG
		AT60-220-1231-1820	AT62-210-1231-1820	Gold-plated	18~22AWG
AHDM (7 pos only)	3.6mm 70A	SC000345	SC000346	Silver-plated	7~10AWG
AHDM(9, 18 pos)	8# 60A	AT60-204-08141	AT62-203-08141	Nickel-plated	8~10AWG
AHDM(6, 9 pos)	4# 100A	AT60-204-0490	AT62-203-04141	Nickel-plated	6AWG

AHDM 可选附件

AHDM Optional accessories

类型 Series	料号 P/N	图片 Pictures	适用产品 Suitable products
螺母 Nut	A114020-90		螺母, 适用于AHDM系列18号壳体插座 Nut. For AHDM series Receptacle, Size 18
	A112263-90		螺母, 适用于AHDM系列24号壳体插座 Nut. For AHDM series Receptacle, Size 24
锁紧垫圈 Lockwasher	A114021		锁紧垫圈, 适用于AHDM系列,18号壳体 LOCKWASHER, AHDM, SIZE 18.
	A112264		锁紧垫圈, 适用于AHDM系列,24号壳体 LOCKWASHER, AHDM, SIZE 24.
适配环 Adapter	AHDM-BS-18NUT		适配波纹管尾夹及AHDM插头插座,18号壳体 ADAPTER FOR TUBE BACKSHELL, AHDM, SIZE 18.
	AHDM-BS-24NUT		适配波纹管尾夹及AHDM插头插座,24号壳体 ADAPTER FOR TUBE BACKSHELL, AHDM, SIZE 24.
保护盖 PROTECTIVE CAP	AHDC34-18		AHDM18号壳体保护盖, 适用于插头。 PROTECTIVE CAP FOR PLUG, AHDM, SIZE 18
	AHDC34-24		AHDM24号壳体保护盖, 适用于插头。 PROTECTIVE CAP FOR PLUG, AHDM, SIZE 24
	AHDC36-18		AHDM18号壳体保护盖, 适用于插座。 PROTECTIVE CAP FOR RECEPTACLE, AHDM, SIZE 18
	AHDC36-24		AHDM24号壳体保护盖, 适用于插座。 PROTECTIVE CAP FOR RECEPTACLE, AHDM, SIZE 24

AHDM 可选附件

AHDM Optional accessories

类型 Series	料号 P/N	图片 Pictures	适用产品 Suitable products
尾部附件 Tail accessory	AHDPBS-015-1805		弯尾夹适用于AHDP/AHDM 18 NW13/17/19 波纹管
	AHDPBS-016-1805		直尾夹适用于AHDP / AHDM 18 NW13/17/19波纹管
	AHDPBS-010-2405		直尾夹, 适用于AHDP / AHDM 24 N.W.17/19/26 波纹管 Straight back shell for AHDP24 N.W.17/19/26 tube.
	AHDPBS-011-2405		90度弯尾夹, 适用于AHDP / AHDM 24 N.W.17/19/26 波纹管 Right angle back shell for AHDP24 N.W.17/19/26 tube.
	AHDMBS-18-001		适合AHDM SIZE18插头、插座、扎线 For AHDM size 18plug、receptacle、bundle.
	AHDMBS-24-001		适合AHDM SIZE24插头、插座、扎线 For AHDM size 24plug、receptacle、bundle.
	AHDMBS-18-002		电缆尾夹, 外径范围14.5-18.0mm, 适用于AHDM size 18 Cable back shell, OD range 14.5-18.0mm. For AHDM size 18.
	AHDMBS-24-002		电缆尾夹, 外径范围20.5-24.2mm, 适用于AHDM size 24 Cable back shell, OD range 20.5-24.2mm. For AHDM size 24.
	AHDMBS-18-059		电缆尾夹, 外径范围10.0~16.0mm, AHDM size18 Cable clip, outer diameter range 10.0~16.0mm, AHDM size18.
	AHDMBS-24-059		电缆尾夹, 外径范围12.0~18.0mm, AHDM size24 Cable clip, outer diameter range 12.0~18.0mm, AHDM size 24.
	AHDMBS-18-SM01		电缆防水尾夹, 外径范围10.0~16.0mm, AHDM size18 Waterproof cable tail clip, outer diameter range 10.0~16.0mm, AHDM size18.
	AHDMBS-24-SM01		电缆防水尾夹, 外径范围12.0~18.0mm, AHDM size24 Waterproof cable tail clip, outer diameter range 12.0~18.0mm, AHDM size24.

ATHD系列描述和电气性能

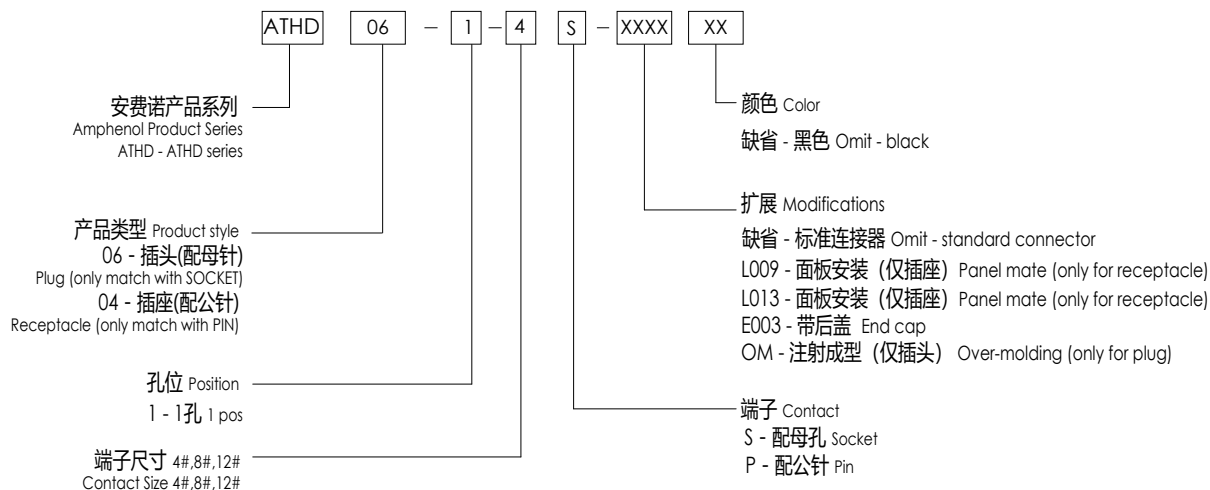
ATHD Series profile and performance

- 带有易握结构特色的安费诺ATHD 圆形连接器，可满足SAE J2030标准高性能要求。
- ATHD圆形连接器属于单芯圆形连接器
- 线对线，线对板可选
- 快速连接和断开的按压式接头。
- 圆形连接器，高性能热塑性材料。
- 提供多种取卸工具。
- Amphenol ATHD Circular Connectors feature aggressive grip construction which can withstand high vibration to meet the SAE J2030 standard.
- Single pin, circular connectors.
- In-line, Flange
- Push connector for Quick connecting and disconnecting.
- Circular, Thermoplastic Housing
- Serviceable with removal tool.

温度范围 Temperature	额定电流时的连续工作温度范围: -55° C to +125° C Operating at temperatures -55°C to +125°C
最大工作电流 Max. Current	Max. 100A
机械寿命 Durability	装拆不小于 100 次，没有电气和机械上的缺陷。 No electrical or mechanical defects after 100 cycles of engagement and disengagement.
振动测试 Vibration	在三个相互垂直的平面内，以 10~2000Hz, 20G 加速度的正弦振动后，没有锁扣松脱，没有机械或物理的损坏，没有大于 1 微秒的断电现象。No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20 G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.
绝缘电阻 Insulation Resistance	在 25°C 时，不小于 1000 兆欧。 1000 megohms minimum at 25°C.
气密性 Immersion	IP67 & IP69K 等级 IP67 & IP69K rating
额定电压 Rating Voltage	250V AC/DC according to IEC 600V AC/DC according to UL 1977
抗湿性 Moisture Resistance	连接器适配后，侵入三英尺的水下没有电气损耗或泄漏。 Properly wired and mated connections will withstand immersion under three feet of water without loss of electronic qualities or leakage.
测试电压 Dielectric Withstanding Voltage	在 1500V AC 下，漏电流小于 2 毫安。 Current leakage less than 2 milliamps at 1500 volts AC.
热冲击测试 Thermal Cycle	从 -55°C 到 +125°C 试验 20 个循环后，没有裂痕，碎屑等表面缺陷。 No cracking, chipping or leaking after 20 test cycles from -55°C to +125°C

ATHD系列料号编码

ATHD series™ part number sequence



ATHD Series™ 单芯连接器

ATHD series™ 1 POS connectors

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	端子 Contact
ATHD04-1-4P	6AWG	6.63mm~7.41mm		AT60-204-0490 / SC000573
ATHD04-1-4P-L009	6AWG	6.63mm~7.41mm		AT60-204-0490 / SC000573
ATHD04-1-4P-L013	6AWG	6.63mm~7.41mm		AT60-204-0490 / SC000573

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	端子 Contact
ATHD06-1-4S	6AWG	6.63mm~7.41mm		AT62-203-04141 / SC000574

ATHD 系列端子

ATHD Series Contacts



规格 Size	公针料号 Pin P/N	母针料号 Socket P/N	镀层 Plating	线缆范围 Wire range	推荐剥线长度 Recommended strip length	参考的压接力 Ref crimp tensile	额定电流 Rated Current
4#	AT60-204-0490	AT62-203-04141	Nickel-plated	6AWG	10.92~12.50mm	1334N	100A
4#	SC000573	SC000574	Nickel-plated	6mm ²	10.92~12.50mm	400N	40A

ATHD Series™ 单芯连接器

ATHD series™ 1 POS connectors

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	端子 Contact
ATHD04-1-8P	8~10AWG	4.83~6.09mm		AT60-204-08141
ATHD04-1-8P-E003	8~10AWG	4.83~6.09mm		AT60-204-08141

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	端子 Contact
ATHD06-1-8S	8~10AWG	4.83~6.09mm		AT62-203-08141
ATHD06-1-8S-E003	8~10AWG	4.83~6.09mm		AT62-203-08141
ATHD06-1-8S-OM	8~10AWG	4.83~6.09mm		AT62-203-08141

ATHD 系列端子

ATHD Series Contacts

规格 Size	公针料号 Pin P/N	母针料号 Socket P/N	镀层 Plating	线缆范围 Wire range	推荐剥线长度 Recommended strip length	参考的压接力 Ref crimp tensile	额定电流 Rated Current
8#	AT60-204-08141	AT62-203-08141	Nickel-plated	8~10AWG	10.92~12.5mm	556~400N	60A

ATHD Series™ 单芯连接器

ATHD series™ 1 POS connectors

插座料号 Receptacle P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	端子 Contact
ATHD04-1-12P	10~14AWG	3.40~4.32mm		12# pin contact
ATHD04-1-12P-E003	10~14AWG	3.40~4.32mm		12# pin contact

插头料号 Plug P/N	线缆范围 Wire range	绝缘外径 Insulation O.D	产品图 Product picture	端子 Contact
ATHD06-1-12S	10~14AWG	3.40~4.32mm		12# socket contact
ATHD06-1-12S-E003	10~14AWG	3.40~4.32mm		12# socket contact
ATHD06-1-12S-OM	10~14AWG	3.40~4.32mm		12# socket contact

ATHD 系列端子

ATHD Series Contacts

规格 Size	公针料号 Pin P/N	母针料号 Socket P/N	镀层 Plating	线缆范围 Wire range	推荐剥线长度 Recommended strip length	参考的压接力 Ref crimp tensile	额定电流 Rated Current
12#	AT60-12-0222	AT62-12-0222	Nickel-plated	10~12AWG	5.72~7.00mm	134N	25A
	AT60-12-0244	AT62-12-0244	Gold-plated	10~12AWG	5.72~7.00mm	134N	25A
	AT60-12-0166	AT62-12-0166	Nickel-plated	12~14AWG	5.72~7.00mm	134N	25A
	AT60-12-0144	AT62-12-0144	Gold-plated	12~14AWG	5.72~7.00mm	134N	25A
12#	AT60-220-1231	AT62-210-1231	Gold-plated	12~14AWG	5.64~7.21mm	334~311N	25A
	AT60-204-12141	AT62-203-12141	Nickel-plated	12~14AWG	5.64~7.21mm	334~311N	25A
	AT60-220-1231-1618	AT62-210-1231-1618	Gold-plated	16~18AWG	5.64~7.21mm	156~111N	25A
	AT60-220-1231-1820	AT62-210-1231-1820	Gold-plated	18~22AWG	5.64~7.21mm	111~89N	25A



我们的AT Speed Splices 为一种单芯的解决方案，可满足防尘及防水1米深。用于工地建筑、矿产、船舶、农机。AT Speed Splices易于装配和快速修复现场设备在断路处的连接。

Our AT Speed Splices offer a unique single terminal solution, which is designed to protect connections from dirt, dust, and water immersion up to 1 meter. Used in harsh environments, such as the construction, mining, marine, and agricultural industries, Speed Splices are easy to install and help quickly repair damaged electrical connections on equipment at the jobsite.

料号 Part number	端子规格 Contact Size	线规 Wire AWG	外径 Wire OD	产品图 Product picture	备注 Remarks
ATSS-12-00	12	12-14	3.40~4.32 mm		连接器主体一端配公端子，另一端配母端子。
ATSS-16-00	16	14-20	2.54~3.40 mm		连接器主体一端配公端子，另一端配母端子。

冲压成型端子 Stamped and Formed Contacts



规格 Size	公针料号 Pin P/N	母针料号 Socket P/N	镀层 Plating	载条识别 Carrier strip identification	线缆范围 Wire range	电线外径范围 Wire insulation O.D.range	推荐剥线长度 Recommended strip length	参考的压接力 Ref crimp tensile	额定电流 Max rated amps
16#	AT60-14-0122	AT62-14-0122	Nickel-plated	14-16	14~16AWG	2.40~3.81mm	3.81~5.08mm	111N	13A
	AT60-14-0144	AT62-14-0144	Gold-plated	14-16	14~16AWG	2.40~3.81mm	3.81~5.08mm	111N	13A
	AT60-16-0122	AT62-16-0122	Nickel-plated	16-18	16~18AWG	1.91~3.55mm	3.81~5.08mm	111N	13A
	AT60-16-0144	AT62-16-0144	Gold-plated	16-18	16~18AWG	1.91~3.55mm	3.81~5.08mm	111N	13A
	AT60-16-0622	AT62-16-0622	Nickel-plated	0.5-1.0	18~20AWG	1.40~2.54mm	3.81~5.08mm	111~67N	13A
	AT60-16-0644	AT62-16-0644	Gold-plated	0.5-1.0	18~20AWG	1.40~2.54mm	3.81~5.08mm	111~67N	13A
	AT60-16-0822	AT62-16-0822	Nickel-plated	0.34~0.5	20~22AWG	1.31~1.50mm	3.81~5.08mm	67~40N	13A
	AT60-16-0322	N/A	Nickel-plated	0.34~0.5	20~22AWG	1.31~1.50mm	3.81~5.08mm	67~40N	13A
12#	AT60-16-0844	AT62-16-0844	Gold-plated	0.34~0.5	20~22AWG	1.31~1.50mm	3.81~5.08mm	67~40N	13A
	AT60-12-0222	AT62-12-0222	Nickel-plated	10-12	10-12AWG	3.56~5.18mm	5.72~7.00mm	134N	25A
	AT60-12-0244	AT62-12-0244	Gold-plated	10-12	10-12AWG	3.56~5.18mm	5.72~7.00mm	134N	25A
	AT60-12-0166	AT62-12-0166	Nickel-plated	12-14	12~14AWG	2.87~4.47mm	5.72~7.00mm	134N	25A
	AT60-12-0144	AT62-12-0144	Gold-plated	12-14	12~14AWG	2.87~4.47mm	5.72~7.00mm	134N	25A

机加工端子 Machined Contacts



规格 Size	公针料号 Pin P/N	母针料号 Socket P/N	镀层 Plating	线缆范围 Wire range	推荐剥线长度 Recommended strip length	参考的压接力 Ref crimp tensile	额定电流 Max rated amps
16#	AT60-202-1631	AT62-201-1631	Gold-plated	16~18AWG	6.35~7.92mm	156~89N	13A
	AT60-202-16141	AT62-201-16141	Nickel-plated	16~18AWG	6.35~7.92mm	156~89N	13A
	AT60-215-1631	AT62-209-1631	Gold-plated	14AWG	6.35~7.92mm	311N	13A
	AT60-215-16141	AT62-209-16141	Nickel-plated	14AWG	6.35~7.92mm	311N	13A
	AT60-202-1631-20	AT62-201-1631-20	Gold-plated	18~20AWG	6.35~7.92mm	89N	13A
	AT60-202-16141-22	AT62-201-16141-22	Nickel-plated	22~24AWG	6.35~7.92mm	35~22N	13A
12#	AT60-220-1231	AT62-210-1231	Gold-plated	12~14AWG	5.64~7.21mm	334~311N	25A
	AT60-204-12141	AT62-203-12141	Nickel-plated	12~14AWG	5.64~7.21mm	334~311N	25A
	AT60-220-1231-1618	AT62-210-1231-1618	Gold-plated	16~18AWG	5.64~7.21mm	156~111N	25A
	AT60-220-1231-1820	AT62-210-1231-1820	Gold-plated	18~22AWG	5.64~7.21mm	111~89N	25A

A系列PCB安装连接器

Printed Circuit Board Connectors

A 系列 PCB 连接器是重载环境密封型连接器，专为线路板设计的连接方案。安费诺 PCB 连接器触针由 2 到 12 可选，线的范围由 10AWG 到 22AWG。目前开发了 AT、ATP 和 ATM 系列的直头和 90 度弯头的方案。

The AT Family offers printed circuit board (PCB) connectors that are heavy duty environmentally sealed connectors designed for wire-to-circuit board connections. Available in a variety of styles for the AT, ATP and ATM connector series, Amphenol PCB connectors cover a range of pin counts from 2 to 12 and wire gauges from 10 to 22. Many of the connectors are available in straight or 90° pin options.

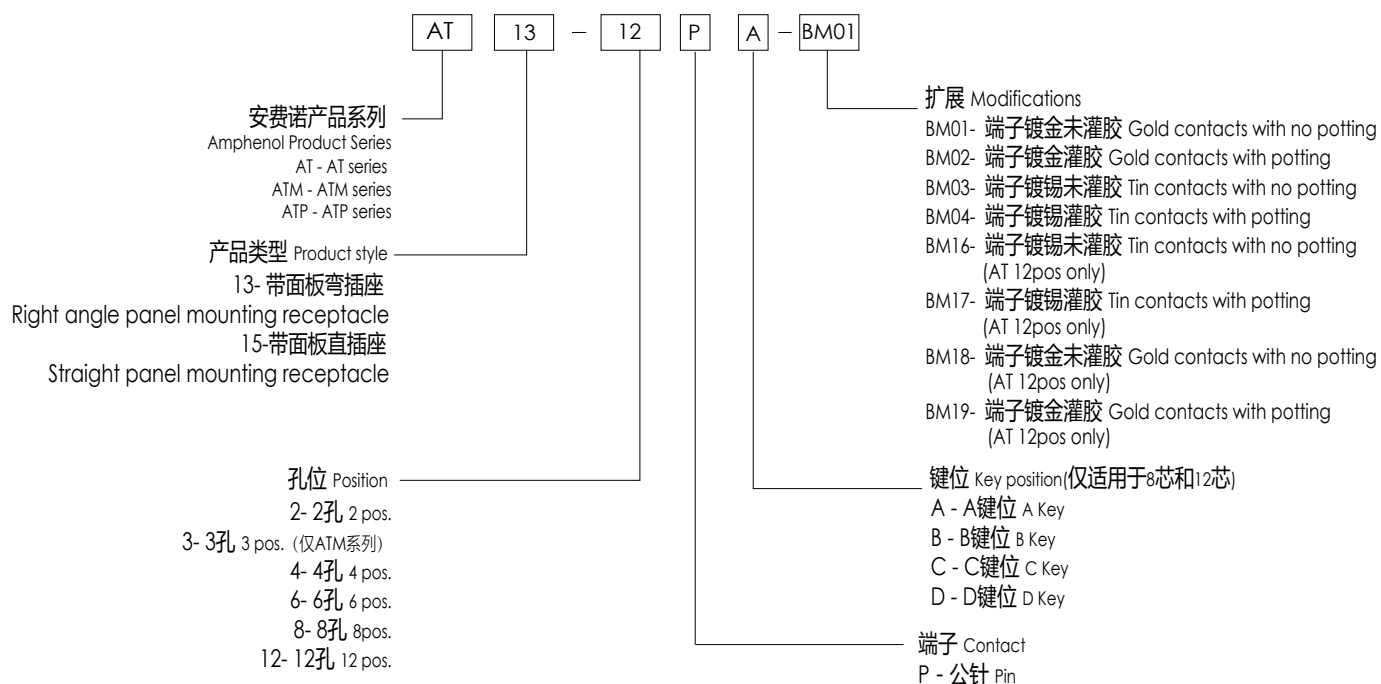
电气性能 Performance

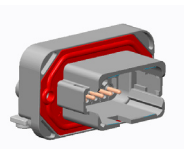


温度范围 Temperature Range	额定电流时的连续工作温度范围：-55°C ~ +125°C。 Operative at temperatures from -55°C to +125°C. Continuous at rated current.	
浸水密封性 Submersion	连接好电线且拧紧连接器，当浸没在1m深的水中时，水不能渗入密封且不发生漏电现象。 Properly wired and mated connection will withstand immersion under 1 meter of water without loss of electronic qualities or leakage.	
最大工作电流(最大线径) Max. Current (Max. Wire Gauge)	AT Max. 13A / ATP Max. 25A / ATM Max. 7.5A	
额定工作电压 Rating Voltage	250V AC/DC according to IEC 500V AC/DC according to UL 1977	
接触电阻 Contact Resistance	< 10 mΩ	
测试电压 Dielectric withstanding voltage	在1500V AC下，漏电流小于2毫安。 Current leakage less than 2 milliamperes under 1500 V AC.	
机械寿命 Minimum Mating Cycles	装拆不小于100次，没有电气或机械上的缺陷。 No electrical or mechanical defects after more than 100 cycles of engagement and disengagement.	
绝缘电阻 Insulation Resistance	在25°C时，不小于1000兆欧。 1000 megohms minimum at 25°C.	
振动测试 Vibration	在三个相互垂直的平面内，以10~2000Hz, 20G加速度的正弦振动后，没有锁扣松脱，没有机械或物理的损坏，没有大于1微秒的断电现象。 No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.	
热冲击测试 Thermal Cycle	从-55°C 到 +125°C试验20个循环后，没有裂痕，碎屑等表面缺陷。 No cracking, chipping or leaking after 20 times test cycles from -55°C to +125°C.	
RoHS Compliant	Yes	
材料 Material	壳体 and 压板：热塑性材料 密封件：硅橡胶材料 端子：铜合金、镀金、镀镍	Housing and wedge: thermoplastic Seals: silicone elastomer Contact: copper alloy, nickel plated, gold plated

A系列PCB安装连接器料号编码

PCB Mounting series™ part number sequence



插座料号 Receptacle P/N	产品图 Product picture	描述 Description	配对插头料号 Mating plug part number
AT13-2P-BM0X		AT2芯带面板PCB直角插座连接器 Recept, 2 way, gray, 90° molded pins, PCB mount	AT06-2S-XXX
AT13-4P-BM0X		AT4芯带面板PCB直角插座连接器 4 Position RA Flange Mount PCB Receptacle	AT06-4S-XXX
AT13-6P-BM0X		AT6芯带面板PCB直角插座连接器 6 Position RA Flange Mount PCB Receptacle	AT06-6S-XXX
AT13-6P2-BM0X		AT6芯插座, 2键位, 蓝色, 90°弯头, PCB安装 Recept, 6 way, key 2, blue, 90° molded pins, PCB mount	AT06-6S-XXX wedge: AW6S-2BLU
AT13-08P*-BM0X		AT8芯带面板PCB直角插座连接器 8 Position RA Flange Mount PCB Receptacle	AT06-08S*-XXX
AT13-12P*-BM0X		AT12芯带面板PCB直角插座连接器 12 Position RA Flange Mount PCB Receptacle	AT06-12S*-XXX
AT13-12P*-BM1X		AT12芯插座, 增强键, 90°弯头, PCB安装 Recept, 12 way, enhanced key, 90° molded pins, PCB mount	AT06-12S*-XXX
AT13-1612PB-BM0X		AT13芯插座, 90°弯头, PCB安装 Recept, 13 way, 90°molded pins, PCB mount	AT1612-13SB-XX

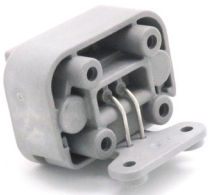
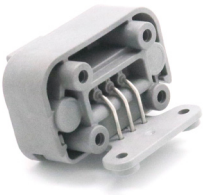
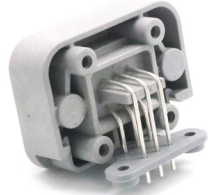
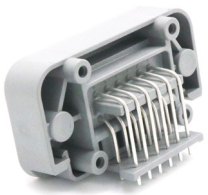
*代表键位A,B,C,D.

* stands for key position. A, B, C, D.

插座料号 Receptacle P/N	产品图 Product picture	描述 Description	配对插头料号 Mating plug part number
AT15-2P-BM0X		AT2芯带面板PCB直头插座连接器 2 Position Straight Flange Mount PCB Receptacle	AT06-2S-XXX
AT15-4P-BM0X		AT4芯带面板PCB直头插座连接器 4 Position Straight Flange Mount PCB Receptacle	AT06-4S-XXX
AT15-6P-BM0X		AT6芯带面板PCB直头插座连接器 6 Position Straight Flange Mount PCB Receptacle	AT06-6S-XXX
AT15-6P2-BM0X		AT6芯插座, 2键位, 蓝色, 直头, PCB安装 Recept, 6 way, key 2, blue, PCB mount	AT06-6S-XXX wedge: AW6S-2BLU
AT15-08P*-BM0X		AT8芯带面板PCB直头插座连接器 8 Position Straight Flange Mount PCB Receptacle	AT06-08S*-XXX
AT15-12P*-BM0X		AT12芯带面板PCB直头插座连接器 12 Position Straight Flange Mount PCB Receptacle	AT06-12S*-XXX
AT15-12P*-BM1X		AT12芯插座, 增强键, 灰色, 直头, PCB安装 Recept, 12 way, enhanced key, PCB mount	AT06-12S*-XXX
AT15-1612PB-BM0X		AT13芯插座, 直头, PCB安装 Recept, 13 way, 180°molded pins, PCB mount	AT1612-13SB-XX

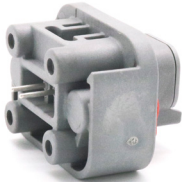
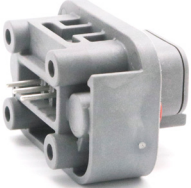
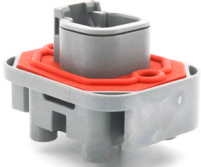
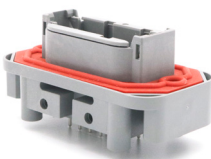
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* stands for key position. A, B, C, D.

插座料号 Receptacle P/N	产品图 Product picture	描述 Description	配对插头料号 Mating plug part number
ATM13-2P-BM0X		ATM2芯带面板PCB直角插座连接器 RA Flange mount PCB receptacle PCB, 2 Position	ATM06-2S-XXX
ATM13-3P-BM0X		ATM3芯带面板PCB直角插座连接器 RA Flange mount PCB receptacle PCB, 3 Position	ATM06-3S-XXX
ATM13-4P-BM0X		ATM4芯带面板PCB直角插座连接器 RA Flange mount PCB receptacle PCB, 4 Position	ATM06-4S-XXX
ATM13-6P-BM0X		ATM6芯带面板PCB直角插座连接器 RA Flange mount PCB receptacle PCB, 6 Position	ATM06-6S-XXX
ATM13-08P*-BM0X		ATM8芯带面板PCB直角插座连接器 RA Flange mount PCB receptacle PCB, 8 Position	ATM06-08S*-XXX
ATM13-12P*-BM0X		ATM12芯带面板PCB直角插座连接器 RA Flange mount PCB receptacle PCB, 12 Position	ATM06-12S*-XXX

*代表键位A,B,C,D。

* stands for key position. A, B, C, D.

插座料号 Receptacle P/N	产品图 Product picture	描述 Description	配对插头料号 Mating plug part number
ATM15-2P-BM0X		ATM2芯带面板PCB直头插座连接器 Straight Flange mount PCB receptacle PCB, 2 Position	ATM06-2S-XXX
ATM15-3P-BM0X		ATM3芯带面板PCB直头插座连接器 Straight Flange mount PCB receptacle PCB, 3 Position	ATM06-3S-XXX
ATM15-4P-BM0X		ATM4芯带面板PCB直头插座连接器 Straight Flange mount PCB receptacle PCB, 4 Position	ATM06-4S-XXX
ATM15-6P-BM0X		ATM6芯带面板PCB直头插座连接器 Straight Flange mount PCB receptacle PCB, 6 Position	ATM06-6S-XXX
ATM15-08P*-BM0X		ATM8芯带面板PCB直头插座连接器 Straight Flange mount PCB receptacle PCB, 8 Position	ATM06-08S*-XXX
ATM15-12P*-BM0X		ATM12芯带面板PCB直头插座连接器 Straight Flange mount PCB receptacle PCB, 12 Position	ATM06-12S*-XXX

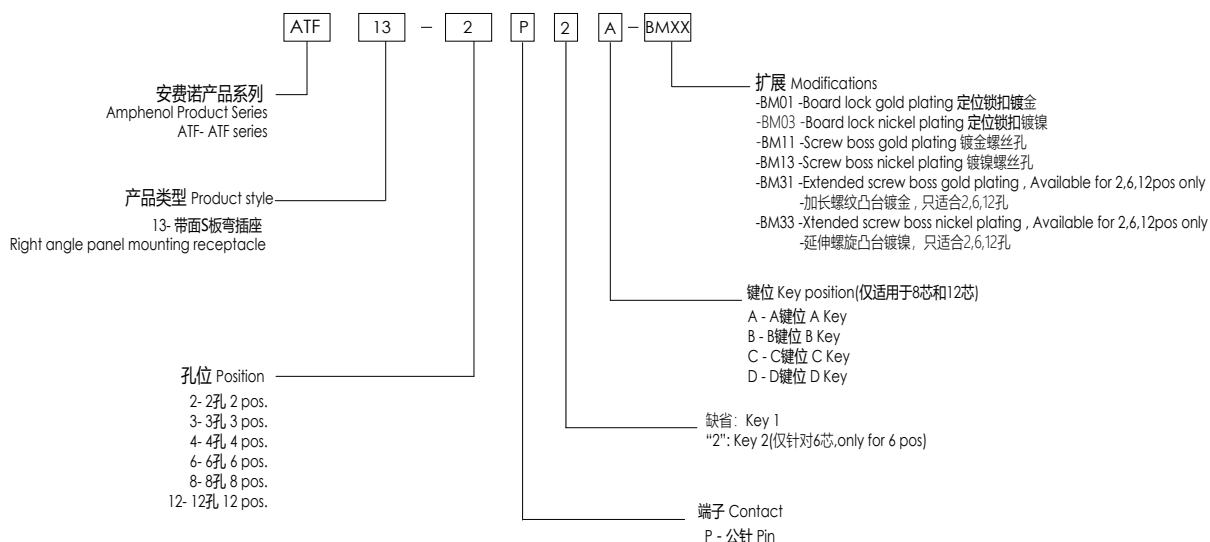
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插座料号 Receptacle P/N	产品图 Product picture	描述 Description	配对插头料号 Mating plug part number
ATP13-2P-BM0X		ATP2芯带面板PCB直角插座连接器 Recept, 2 way, 90° molded pins, PCB inside mount	ATP06-2S-XXX
ATP13-4P-BM0X		ATP4芯带面板PCB直角插座连接器 Recept, 4 way, 90° molded pins, PCB inside mount	ATP06-4S-XXX
ATP15-2P-BM0X		ATP2芯带面板PCB直头插座连接器Recept, 2 way, 180° molded tin pins, PCB inside mount	ATP06-2S-XXX
ATP15-4P-BM0X		ATP4芯带面板PCB直头插座连接器 Recept, 4 way, 180° molded tin pins, PCB inside mount	ATP06-4S-XXX

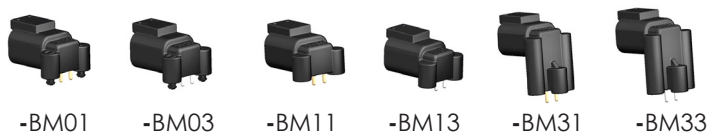
ATF13 系列

ATF13 series



Part number	Modification
-BM01	Board Lock Gold plating 定位锁扣镀金
-BM03	Board Lock Nickel plating 定位锁扣镀镍
-BM11	Screw Boss Gold plating 镀金螺丝孔
-BM13	Screw Boss Nickel plating 镀镍螺丝孔
-BM31	Extended Screw Boss Gold plating Available for 2,6,12 pos only 加长螺纹凸台镀金, 只适合2,6,12孔
-BM33	Extended Screw Boss Nickel plating Available for 2,6,12 pos only 加长螺纹凸台镀镍, 只适合2,6,12孔

For example:



插座料号 Receptacle P/N	描述 Description	产品图 Product picture	配对插头和压板料号 Mating plug&Wedge part number
ATF13-2P-BMXX	Recept, 2 way, black, 90° molded pins, flangeless PCB mount 插座, 2芯, 黑色, 90度弯头, PCB无面板连接器		AT06-2S-XXX AW2S
ATF13-3P-BMXXJ1939	Recept, 3 way, black, 90° molded pins, flangeless PCB mount 插座, 3芯, 黑色, 90度弯头, PCB无面板连接器		AT06-3S-XXX AW3S-1939
ATF13-3P-BMXX	Recept, 3 way, black, 90° molded pins, flangeless PCB mount 插座, 3芯, 黑色, 90度弯头, PCB无面板连接器		AT06-3S-XXX AW3S
ATF13-4P-BMXX	Recept, 4 way, black, 90° molded pins, flangeless PCB mount 插座, 4芯, 黑色, 90度弯头, PCB无面板连接器		AT06-4S-XXX AW4S
ATF13-6P-BMXX	Recept, 6 way, key 1, black, 90° molded pins, flangeless PCB mount 插座, 6芯, 1键位, 黑色, 90度弯头, PCB无面板连接器		AT06-6S-XXX AW6S
ATF13-6P2-BMXXBLU	Recept, 6 way, key 2, blue, 90° molded pins, flangeless PCB mount 插座, 6芯, 2键位, 蓝色, 90度弯头, PCB无面板连接器		AT06-4S-XXX AW6S2-BLU
ATF13-08P*-BMXX	Recept, 8 way, 90° molded pins, flangeless PCB mount 插座, 8芯, 黑色, 90度弯头, PCB无面板连接器		AT06-08S*-XXX AW8S
ATF13-12P*-BMXX	Recept, 12 way, enhance key, 90° molded pins, flangeless PCB mount 插座, 12芯, 增强键, 90度弯头, PCB无面板连接器		AT06-12S*-XXX AW12S
ATF13-4P-18PCG/ ATF13-4P-18PCT	PCB Mouted Connector, 4 Pin, Right Angle PCB连接器4孔, 弯头		AT06-4S-XXX

PCB安装连接器

PCB Mounting - Receptacles

分直头和90度弯头，分灌胶和未灌胶，PCB装配。目前已开发出2孔，3孔，4孔，6孔，8孔和12孔。
Straight or right angle, potting or no potting, PCB mounted. 2 pin, 3pin, 4 pin, 6 pin, 8pin and 12 pin are available now.

Part number	Modification
-BM01	Gold contacts with no potting 端子镀金未灌胶
-BM02	Gold contacts with potting 端子镀金灌胶
-BM03	Nickel contacts with no potting 端子镀镍未灌胶
-BM04	Nickel contacts with potting 端子镀镍灌胶

For example:



插座料号 Receptacle P/N	产品图 Product picture	描述 Description	配对插头料号 Mating plug part number
AT04-2P-BMXX		PCB连接器2孔 PCB mounted connector, 2 pin	AT06-2S-XXX
AT04-3P-BMXX		PCB连接器3孔 PCB mounted connector, 3 pin	AT06-3S-XXX
AT04-4P-BMXX		PCB连接器4孔 PCB mounted connector, 4 pin	AT06-4S-XXX
AT04-6P-BMXX		PCB连接器6孔 PCB mounted connector, 6 pin	AT06-6S-XXX
AT04-08P*-BMXX		PCB连接器8孔 PCB mounted connector, 8 pin	AT06-08S*-XXX
AT04-12P*-BMXX		PCB连接器12孔 PCB mounted connector, 12 pin	AT06-12S*-XXX

*代表键位A,B,C,D。
* stands for key position. A, B, C, D.



ARMOR IPX

IP69K | WATERPROOF | ELECTRONIC ENCLOSURES



ARMOR IPX 产品内的PCB连接器通过卡扣快速装配, 外壳通过两个孔固定。现有的PCB连接器为ATM 12芯的对插端, 可以与ATM06-12S*互配。

ARMOR IPX product that accept snap-in headers are available. The enclosure features a through hole mounting flange. The current header accommodate ATM 12pin interfaces, mate with ATM06-12S* plugs.

料号 P/N	产品图 Product picture	描述 Description	配对料号 Mating part number
ATM13-12P*-GR01		ATM13,12芯插座, 黑色, 90°弯头, ATM EEC PCB 插头 Recept, ATM13, 12 way, black, 90° molded gold pins, ATM EEC PCB header	ATM06-12A-XXX
ATM13-12P*-R008		ATM13,12芯插座, 黑色, 90°弯头, ATM EEC PCB 插头 Recept, ATM13, 12 way, black, 90° molded pins, ATM EEC PCB header	ATM06-12A-XXX
ATM13-12PA-12PB-BM03		ATM13,24芯插座, A&B键位, 黑色, 90°弯头, ATM EEC PCB 插头 Recept, ATM13, 24 way, A & B key, black, 90° molded pins, ATM EEC PCB header	ATM06-12SA-XXX ATM06-12SB-XXX
ATM13-12PA-12PB-BM01		ATM13,24芯插座, A&B键位, 黑色, 90°镀金弯头, ATM EEC PCB 插头 Recept, ATM13, 24 way, A & B key, black, 90° molded gold pins, ATM EEC PCB header	ATM06-12SA-XXX ATM06-12SB-XXX
ATM13-12PC-12PD-BM01		ATM13,24芯插座, C&D键, 黑色, 90°镀金弯头, ATM EEC PCB 插头 Recept, ATM13, 24 way, C & D key, black, 90° molded gold pins, ATM EEC PCB header	ATM06-12SC-XXX ATM06-12SD-XXX
ATM13-12PC-12PD-BM03		ATM13,24芯插座, C&D键, 黑色, 90°弯头, ATM EEC PCB 插头 Recept, ATM13, 24 way, C & D key, black, 90° molded pins, ATM EEC PCB header	ATM06-12SC-XXX ATM06-12SD-XXX
AIPXE-325X4A		外壳: 3.25" x 4" [82.55 x 101.60 mm] PCB, 带通气孔 Enclosure, EEC, 3.25" x 4" [82.55 x 101.60 mm] PCB, with vent hole	ATM13-12P*-12P*-BMXX ATM13-12P*-GR01 ATM13-12P*-R008
AIPXE-325X4B		外壳: 3.25" x 4" [82.55 x 101.60 mm] PCB, 无通气孔 Enclosure, EEC, 3.25" x 4" [82.55 x 101.60 mm] PCB, without vent hole	ATM13-12P*-12P*-BMXX ATM13-12P*-GR01 ATM13-12P*-R008
AIPXE-325X4A-E016		外壳: 3.25" x 4" [82.55 x 101.60 mm] PCB, 带通气孔, 琥珀色PEI材料 Enclosure, EEC, 3.25" x 4" [82.55 x 101.60 mm] PCB, with vent hole, amber PEI material	ATM13-12P*-12P*-BMXX ATM13-12P*-GR01 ATM13-12P*-R008
AIPXE-325X4B-E016		外壳: 3.25" x 4" [82.55 x 101.60 mm] PCB, 无通气孔, 琥珀色PEI材料 Enclosure, EEC, 3.25" x 4" [82.55 x 101.60 mm] PCB, without vent hole, amber PEI material	ATM13-12P*-12P*-BMXX ATM13-12P*-GR01 ATM13-12P*-R008
AIPXE-325X4A-E017		壳: 3.25" x 4" [82.55 x 101.60 mm] PCB, 带通气孔, 透明PC材料 Enclosure, EEC, 3.25" x 4" [82.55 x 101.60 mm] PCB, with vent hole, transparent PC material	ATM13-12P*-12P*-BMXX ATM13-12P*-GR01 ATM13-12P*-R008
AIPXE-325X4B-E017		壳: 3.25" x 4" [82.55 x 101.60 mm] PCB, 无通气孔, 透明PC材料 Enclosure, EEC, 3.25" x 4" [82.55 x 101.60 mm] PCB, without vent hole, transparent PC material	ATM13-12P*-12P*-BMXX ATM13-12P*-GR01 ATM13-12P*-R008
AIPXE-325XBP-01		ArmorIPX™, 空白封头板, 热塑性材料 ArmorIPX™, Blank Header Plate, Thermoplastic	N/A

*代表键位A,B,C,D。

* stands for key position. A, B, C, D.

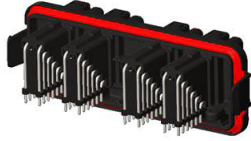


ARMOR IPX

IP69K | WATERPROOF | ELECTRONIC ENCLOSURES

ARMOR IPX 产品内的PCB连接器通过卡扣快速装配，外壳通过两个孔固定。现有的PCB连接器为AT 12芯的对插端，可以与AT06-12S*互配。

ARMOR IPX product that accept snap-in headers are available. The enclosure features a through hole mounting flange. The current header accommodate AT 12pin interfaces, mate with AT06-12S* plugs.

料号 P/N	产品图 Product picture	描述 Description	配对料号 Mating part number
AT13-12PA-R015		AT13 12芯插座，增强键，A键位，黑色，90° 成型端子，AIPXE AT PCB插头 Recept, AT13, 12 way, enhanced A key, black, 90° molded pins, AIPXE AT PCB header	AT06-12SA-XXX
AT13-24PAB-BM03		AT13 24芯插座，增强键，A&B键位，黑 色，90°成型端子，AIPXE AT PCB插头 Recept, AT13, 24 way, enhanced A & B key, black, 90° molded pins, AIPXE AT PCB header	AT06-12SA-XXX AT06-12SB-XXX
AT13-36PABC-BM03		AT13 36芯插座，增强键，A、B&C键位，黑 色，90°成型端子，AIPXE AT PCB插头 Recept, AT13, 36 way, enhanced A, B, & C key, black, 90° molded pins, AIPXE AT PCB header	AT06-12SA-XXX AT06-12SB-XXX AT06-12SC-XXX
AT13-48PABCD-BM03		AT13 48芯插座，增强键，A、B、C&D键 位，黑色，90°成型端子，AIPXE AT PCB插头 Recept, AT13, 48 way, enhanced A, B, C, & D key, black, 90° molded pins, AIPXE AT PCB header	AT06-12SA-XXX AT06-12SB-XXX AT06-12SC-XXX AT06-12SD-XXX
AIPXE-5X650A		外壳: 5" x 6.50" [127.00 x 165.10 mm] PCB, 带通气孔 ArmorIPX ^{AT} , Enclosure 5" x 6.50" [127.00 x 165.10 mm] PCB, with vent hole	AT13-12PA-R015 AT13-24PAB-BM03 AT13-36PABC-BM03 AT13-48PABCD-BM03
AIPXE-5X650B		外壳: 5" x 6.50" [127.00 x 165.10 mm] PCB, 无通气孔 ArmorIPX ^{AT} , Enclosure 5" x 6.50" [127.00 x 165.10 mm] PCB, without vent hole	

特殊型

Modifications

AT 13芯连接器

AT 13 pin connectors

独特的电源和信号混装排布结构，13孔-2孔12号端子，11孔16号端子。同AT 12芯的外壳尺寸一样，不需要压板，黑色。

Unique mixed power and signal arrangement, 13 pin - 2 size 12, 11 size 16. AT 12-way size housing, no wedge required, Black.

插座料号 Receptacle P/N	产品图 Product picture	描述 Description	配对插头料号 Mating plug part number
AT1612-13PB-G		插座，法兰盘，标准线径密封塞。 Receptacle, flange mounted , standard dimension seal.	AT1612-13SB OR AT1612-13SB-RD
AT1612-13PB-RDG		插座，法兰盘，小线径密封塞。 Receptacle, flange mounted , reduced dimension seal.	AT1612-13SB OR AT1612-13SB-RD
AT1612-13PBNF13		PCB面板安装式连接器 PCB mounted connector	AT1612-13SB OR AT1612-13SB-RD

插头料号 Plug P/N	产品图 Product picture	描述 Description	配对型号 Mating parts
AT1612-13SB		插头，标准线径密封塞。 Plug, standard dimension seal.	AT1612-13PB-RDG OR AT1612-13PB-G OR AT1612-13PBNFB
AT1612-13SB-RD		插头，小线径密封塞。 Plug, reduced dimension seal.	AT1612-13PB-RDG OR AT1612-13PB-G OR AT1612-13PBNFB

特殊型 - 法兰盘面板安装插座

Modifications - Flange mount receptacle

为了使设计灵活和布线简化，A系列连接器提供了多款面板安装式连接器可选。

A Series connectors offer several flange mount options to increase design flexibility and simplify wire routing.

插座料号 Receptacle P/N	产品图 Product picture	描述 Description	配对插头料号 Mating plug part number
ATP04-2P-PM07G		ATP系列2芯法兰盘插座，带垫片，自攻螺母 ATP series, 2-Way, Flange Mount, Receptacle, Gasket, Self-threading	ATP06-2S-XXX
ATP04-4P-PM07GEC		ATP系列4芯法兰盘插座，带垫片和尾盖，自攻螺母 ATP series, 4-Way, Flange Mount, Receptacle, Gasket, With end cap, Self-threading	ATP06-4S-XXX
AT04-3P-PM05		AT系列3芯法兰盘插座，内镶螺母 AT series, 3-Way, Flange Mount, Receptacle, Thread inserted	AT06-3S-XXX
AT04-6P-PM05		AT系列6芯法兰盘插座，带垫片，内镶螺母 AT series, 6-Way, Flange Mount, Receptacle, Gasket, Thread inserted	AT06-6S-XXX
AT04-08P*-PM05		AT系列8芯法兰盘插座，带垫片，内镶螺母 AT series, 8-Way, Flange Mount, Receptacle, Gasket, Thread inserted	AT06-08S*-XXX
AT04-08P*-PMR7G		AT系列8芯法兰盘插座，带垫片，小线径，自攻螺母 AT series, 8-Way, Flange Mount, Receptacle, Gasket, Reduced Seal, Self-threading	AT06-08S*-XXX
AT04-12P*-PM05		AT系列12芯法兰盘插座，带垫片，内镶螺母 AT series, 12-Way, Flange Mount, Receptacle, Thread inserted	AT06-12S*-XXX
AT04-12P*-PM01		AT系列12芯法兰盘插座，带垫片 AT series, 12-Way, Flange Mount, Receptacle, Gasket	AT06-12S*-XXX

*代表键位A,B,C,D。

* stands for key position. A, B, C, D.

特殊型 - 法兰盘面板安装插座

Modifications- Flange mount receptacle

为了使设计灵活和布线简化，A系列连接器提供了多款面板安装式连接器可选。

A Series connectors offer several flange mount options to increase design flexibility and simplify wire routing.

Part number	Modification
-PM11	Standard wire seal 标准密封塞
-PM12	Reduced wire seal 小密封塞
-PM13	Standard wire seal with end cap 标准密封塞带保护盖
-PM14	Reduced wire seal with end cap 小密封塞带保护盖

For example:



-PM11



-PM12



-PM13



-PM14

插座料号 Receptacle P/N	产品图 Product picture	描述 Description	配对插头料号 Mating plug part number
AT04-2P-PM1X		AT系列2芯带面板插座, 自攻螺丝 2 pos. Receptacle, pin, panel Mount, self-threading	AT06-2S-XXX
AT04-3P-PM1X		AT系列3芯带面板插座, 自攻螺丝 3 pos. Receptacle, pin, panel Mount, self-threading	AT06-3S-XXX
AT04-4P-PM1X		AT系列4芯带面板插座, 自攻螺丝 4 pos. Receptacle, pin, panel Mount, self-threading	AT06-4S-XXX
AT04-6P-PM1X		AT系列6芯带面板插座, 自攻螺丝 6 pos. Receptacle, pin, panel Mount, self-threading	AT06-6S-XXX
AT04-08P*-PM1X		AT系列8芯带面板插座, 自攻螺丝 8 pos. Receptacle, pin, panel Mount, self-threading	AT06-08S*-XXX
AT04-12P*-PM1X		AT系列12芯带面板插座, 自攻螺丝 12 pos. Receptacle, pin, panel Mount, self-threading	AT06-12S*-XXX

*代表键位A,B,C,D。

* stands for key position. A, B, C, D.

特殊型- 四方盘面板安装插座

Modifications- Flange mount receptacle

为了使设计灵活和布线简化，A系列连接器提供了多款面板安装式连接器可选。

A Series connectors offer several flange mount options to increase design flexibility and simplify wire routing.

插座料号 Receptacle P/N	产品图 Product picture	描述 Description	配对插头料号 Mating plug part number	配对垫片料号 Mating gasket part number
AT04-2P-L012		AT 2芯四方盘安装面板，面板不防水 AT 2P Receptacle flange mount, No waterproof for panel.	AT06-2S-XXX	NA
AT04-3P-L012		AT 3芯四方盘安装面板，面板不防水 AT 3P Receptacle flange mount, No waterproof for panel.	AT06-3S-XXX	 P/N:AT3P-L012-GKT
AT04-4P-L012		AT 4芯四方盘安装面板，面板不防水 AT 4P Receptacle flange mount, No waterproof for panel.	AT06-4S-XXX	 P/N:AT4P-L012-GKT
AT04-6P-L012		AT 6芯四方盘安装面板，面板不防水 AT 6P Receptacle, gray, No waterproof for panel.	AT06-6S-XXX	NA
AT04-08P*-L012		AT 8芯四方盘安装面板，面板不防水 AT 8P Receptacle flange mount, No waterproof for panel.	AT06-08S*-XXX	 P/N:AT8P-L012-GKT
AT04-12P*-BL04		AT 12芯四方盘安装面板，面板不防水 AT 12P Receptacle flange mount, No waterproof for panel.	AT06-12S*-XXX	 P/N:AT12-L012-GKT
ATP04-4P-PM01		ATP系列4芯法兰盘插座，面板不防水 ATP series, 4-Way, Flange Mount, Receptacle, No waterproof for panel.	ATP06-4S-XXX	 P/N:ATP4P-L012-GKT
ATP04-4P-PM02				
ATM04-12P*-PM01		ATM 12芯四方盘安装面板，面板不防水 AT 12P Receptacle flange mount, No waterproof for panel.	ATM06-12S*-XXX	 P/N:AT12-L012-GKT

*代表键位A,B,C,D。

* stands for key position. A, B, C, D.

HYPERBUSS 简介

HYPERBUSS OVERVIEW

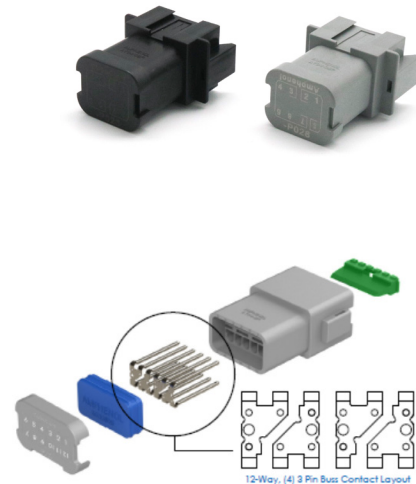
HYPERBUSS产品为基于我们AT产品开发的汇流排产品，可以将两个或者两个以上的端子在连接器内部连接，将电流和信号进行传输。现提供多种多样的连接方式。连接器**HYPERBUSS**有多种形式且使用标准尺寸16号公端子，端子有镀金和镀镍可选。一个**HYPERBUSS**连接器可以替换几个标准连接器或接头，节省空间，线路，和重量。

HYPERBUSS产品可与我们标准的AT插头互配，满足AT产品的所有性能。

HYPERBUSS is bussing product which based on our AT series, all power or data to be fed into a connector through one or more terminals. Provide multiple independent electrical circuits. The connectors are available in multiple buss configurations using standard size 16 contacts, with plating options in nickel or gold.

A single **HYPERBUSS** connector can replace several standard connectors or splices, saving space, wiring, and weight.

HYPERBUSS product be able to mating with AT plug, meet all performance specifications for AT series.

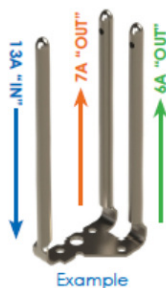


HYPERBUSS 举例

HYPERBUSS examples

在示例中，有三个端子尺寸大小为 16 号的公针，每个端子的额定电流为 13 安培且安装在 buss 内部。总共有 13 安培电流可以从一根针中流入并在剩余两根针之间分开传输。从任何一根针中传输的电流不会超过 13A。

In the examples, there are three size 16 pins each rated for 13 amps mounted to the buss. A total of 13 amps can be pulled into one pin and going out the 13 amps are split between the remaining two pins. No more than 13 amps can go through any single pin.

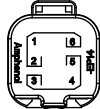
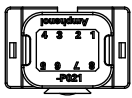
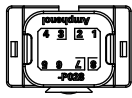
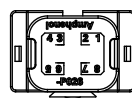
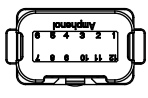
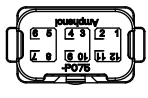
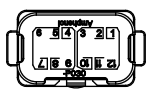


备注:

整个 hyperbuss 的最大电流额定值是电流总和。电流的传输方式可以有多种组合，但每个端子的电流不能超过 13 安培。

Note

The maximum current rating is the total amount of current for the entire hyperbuss. Current can be distributed in many combinations, but cannot exceed 13 amps per contact.

插座料号 Receptacle P/N	汇流排排布 Bussing Arrangement	最大电流 Maximum Current Rating	汇流排端子 镀层 Buss Plating	壳体颜色 Connector Color	配对插头 Mating Plug Part Number
AT04-2P-P060		(1) 2 Pin Buss = 13 amps	镀镍 Nickel	黑色 Black	AT06-2S-XXXX
AT04-4P-EP13		(1) 4 Pin Buss = 26 amps	镀镍 Nickel	黑色 Black	AT06-4S-XXXX
AT04-4P-P021				灰色 Gray	AT06-4S-XXXX
AT04-6P-EP13		(1) 6 Pin Buss = 39 amps	镀镍 Nickel	黑色 Black	AT06-6S-XXXX
AT04-6P-P021				灰色 Gray	AT06-6S-XXXX
AT04-6P-EP14		(2) 3 Pin Busses = 13 amps each		黑色 Black	AT06-6S-XXXX
AT04-08PA-P021		(1) 8 Pin Buss = 52 amps	镀镍 Nickel	灰色 Gray	AT06-08SA-XXXX
AT04-08PB-P021				黑色 Black	AT06-08SB-XXXX
AT04-08PA-P028		(1) 3 Pin Buss = 13 amps (1) 5 Pin Buss = 26 amps	镀镍 Nickel	灰色 Gray	AT06-08SA-XXXX
AT04-08PB-P028				黑色 Black	AT06-08SB-XXXX
AT04-08PA-P026		(2) 4 Pin Busses = 26 amps each	镀镍 Nickel	灰色 Gray	AT06-08SA-XXXX
AT04-08PB-P026				黑色 Black	AT06-08SB-XXXX
AT04-12PA-P016		(1) 12 Pin Buss = 78 amps	镀金 Gold	灰色 Gray	AT06-12SA-XXXX
AT04-12PB-P016			镀镍 Nickel	黑色 Black	AT06-12SB-XXXX
AT04-12PA-P021				灰色 Gray	AT06-12SA-XXXX
AT04-12PB-P021				黑色 Black	AT06-12SB-XXXX
AT04-12PA-P026		(2) 6 Pin Busses = 39 amps each	镀镍 Nickel	灰色 Gray	AT06-12SA-XXXX
AT04-12PB-P026			镀金 Gold	黑色 Black	AT06-12SB-XXXX
AT04-12PB-P027					AT06-12SB-XXXX
AT04-12PA-P075		(3) 4 Pin Busses = 26 amps each	镀镍 Nickel	灰色 Gray	AT06-12SA-XXXX
AT04-12PA-P030		(4) 3 Pin Busses = 13 amps each	镀镍 Nickel	灰色 Gray	AT06-12SA-XXXX
AT04-12PB-P030			镀金 Gold	黑色 Black	AT06-12SB-XXXX
AT04-12PA-P031				灰色 Gray	AT06-12SA-XXXX
AT04-12PB-P031				黑色 Black	AT06-12SB-XXXX

易于注塑成型设计的延伸型 AT 系列插头 Extended Body AT Plugs Designed for Overmolding

定制线束适用于任何应用，并可在任何尺寸或长度上进行注塑成型。为了更易于二次成型，目前A系列产品已开发出适用over-mold产品2孔，3孔，4孔，6孔，8孔和12孔连接器。

Custom Cable Assemblies are available for any application, and carry with them the capabilities of being overmolded in any size or length necessary. 2 pin, 3pin, 4 pin, 6 pin, 8pin and 12pin overmold connectors are available now, which are developed for overmolding cable assembly easily.

插头料号 Plug P/N	产品图 Product picture	描述 Description	配对插座料号 Mating Receptacle part number
AT06-2S-OMXXX		AT系列2芯插座 PLUG 2 SOCKET OVER-MOLDING AT SERIES	AT04-2P-XXX
AT06-3S-OMXXX		AT系列3芯插座 PLUG 3 SOCKET OVER-MOLDING AT SERIES	AT04-3P-XXX
AT06-4S-OMXXX		AT系列4芯插座 PLUG 4 SOCKET OVER-MOLDING AT SERIES	AT04-4P-XXX
AT06-6S-OMXXX		AT系列6芯插座 PLUG 6 SOCKET OVER-MOLDING AT SERIES	AT04-6P-XXX
AT06-08S*-OMXXX		AT系列8芯插座 PLUG 8 SOCKET OVER-MOLDING AT SERIES	AT04-08P*-XXX
AT06-12S*-OMXXX		AT系列12芯插座 PLUG 12 SOCKET OVER-MOLDING AT SERIES	AT04-12P*-XXX
AT06-6S-725827		AT系列6芯插座，黑色 PLUG,6 WAY,EXTERNAL LATCH,BLK	AT04-6P-XXX
AT06-6S-725884-XXX		AT系列6芯插座，黑色 PLUG,6 WAY,EXTERNAL LATCH,RA,BLK	AT04-6P-XXX

*代表键位A,B,C,D。

* stands for key position. A, B, C, D.

XXX代表产品颜色，如黑色BLK,灰色GRY,绿色GRN,蓝色BLU,棕色BRN,红色RED,黄色YEL。

XXX stands for connector color. For example, BLK short for black.

二极管产品和电阻产品介绍

Diode and Resistance products introduction

安费诺带有二极管和电阻的连接器用于调节设备功率或保护设备免受潜在的电涌冲击带来的破坏。二极管只允许电流向一个方向流动。通过防止电流往相反的方向流动，二极管可保护电子设备免受损坏。电池在没有正确安装的情况下，带有电池的设备装置通常使用二极管来防止电流反向流动。一个电阻器可限制或阻碍电流在两个方向流动。多个电阻器可以通过限制经电阻器流入设备的电量来保护热敏电子元器件，从而防止达到功率峰值。例如，电阻器常常通过限制电流流向光源来防止电涌冲击烧毁LED灯。如发现多余的电涌，安费诺带二极管和电阻器连接器很容易添加到实际应用中。

Amphenol AT connectors with diodes and resistors are useful anywhere you need to regulate power or protect a device against a potential power surge.

A diode allows current to flow in one direction only. By preventing current from traveling a circuit in the wrong direction, a diode can protect an electronic device from damage. Devices with batteries will often use diodes to prevent power from flowing in reverse if the battery is not installed correctly.

A resistor limits or blocks current flow in both directions. Resistors protect sensitive electronics by limiting the amount of electricity that can flow to the device through the resistor, and therefore preventing power spikes. For example, resistors are used to prevent power surges from burning out an LED by restricting current flow to the light.

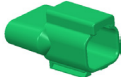
Amphenol diode and resistor connectors are easily added to an application after the fact if unwanted power surges are discovered.

电阻产品 Resistance products

插座料号 Receptacle P/N	线位图	Resistor Ohms 阻值	Resistor Watts 功率	Color 颜色	产品图 Product picture
AT04-2P-RT25		27K	0.5w	Black	

二极管产品 Diode products

插座料号 Receptacle P/N	线位图	Peak reverse volts 反向峰值电压	Peak forward volts 正向电压降	Avg Forward Current 平均正向电流	Color 颜色	产品图 Product picture
AT04-2P-RT01		600 V max	1.28 V max	4.0 A max	Black	
AT04-2P-RT02		400 V max	1.0 V max	3.0 A max	Black	
AT04-4P-RT01		600 V max	1.28 V max	4.0 A max	Black	
AT04-4P-RT03		600 V max	1.28 V max	4.0 A max	Gray	

插座料号 Receptacle P/N	线位图	Break down voltage 击穿电压	Peak pulse current 峰值脉冲电压	Clamping voltage 嵌位电压	Color 颜色	产品图 Product picture
AT04-2P-RT06		124~137 V	8.4A max	179V max	Green	

特殊型

Modifications

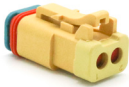
带有电阻的产品 - 插头, 插座

With integrated resistor connectors - Plugs, Receptacles

AT、ATM系列带电阻的产品可用来稳定电源或保护设备免受电涌冲击。

AT、ATM connector with resistors are useful anywhere you need to regulate power or protect a device against a potential power surge.

插座料号 Receptacle P/N	产品图 Product picture	描述 Description	配对插头料号 Mating plug part number
AT04-2P-R120YEL		产品包含端子、压板和 120Ω电阻 。 Includes contacts, wedge and 120 Ohm Resistor .	AT06-2S-XXX
AT04-3P-RJ120		J1939 . 产品包含端子、压板和 120Ω电阻 。 J1939 . Includes contacts, wedge and 120 Ohm Resistor .	AT06-3S-XXX
AT04-3P-RY01		三通头, J1939 . 产品包含端子、压板。 Y-Form, J1939 . Includes contacts, wedges.	AT06-3S-XXX
AT04-4P-R1K2K		产品包含端子、压板和 1.2KΩ电阻和2.7KΩ电阻 。 Includes contacts, wedge and 1200 and 2700 Ohm Resistor .	AT06-4S-XXX
ATM04-2P-P007		ATM “ Y ” 型插座, 成型 镀金端子 , 符合 J1939 标准 Recept, ATM, “ Y ” connector, molded gold pins, J1939 .	ATM06-2S-XXX
ATM04-2P-RA120GY		ATM 2芯插座, 端接电阻 , 成型 镀金端子 , 灰色, 符合 J1939 标准 Recept, ATM, 2 way, terminating resistor, gold pins, gray, J1939 .	ATM06-2S-XXX
ATM04-2P-RB120BK		ATM 2芯插座, 端接电阻 , 成型 镀金端子 , 黑色, 符合 J1939 标准 Recept, ATM, 2 way, terminating resistor, gold pins, black, J1939 .	ATM06-2S-XXX

插头料号 Plug P/N	产品图 Product picture	描述 Description	配对型号 Mating parts
AT06-2S-R120YEL		产品包含端子、压板和 120Ω电阻 。 Includes contacts, wedge and 120 Ohm Resistor .	AT04-2P-XXX
AT06-3S-RJ120		J1939 . 产品包含端子、压板和 120Ω电阻 。 J1939 . Includes contacts, wedge and 120 Ohm Resistor .	AT04-3P-XXX
ATM06-2S-R120		产品包含端子、压板和 120Ω电阻 。 Includes contacts, wedge and 120 Ohm Resistor .	ATM04-2P-XXX
ATM06-2S-RA120GY		ATM 2芯插头, A键位, 端接电阻 , 金针, 灰色, 符合 J1939 标准 Plug, ATM, 2 way, A key, terminating resistor, gold sockets, gray, J1939 .	ATM04-2P-XXX
ATM06-2S-RB120BK		ATM 2芯插头, B键位, 端接电阻 , 金针, 黑色, 符合 J1939 标准 Plug, ATM, 2 way, B key, terminating resistor, gold sockets, black, J1939 .	ATM04-2P-XXX

定制品

Customized

料号 P/N	产品图 Product picture	描述 Description
1052459		定制品, 4x2芯插头 Customized, 4x2 pos plugs
AT04-48P-B016		带面板插座, 4x12芯插座 Panel mate mounting receptacle, 4x 12pos receptacle
AT-501277		定制品, PCB连接器, 8芯 Customized, PCB connector, 8 pos
AT-501279		定制品, PCB连接器, 4芯 Customized, PCB connector, 4 pos
AT-729477		定制品, PCB连接器, 6芯 Customized, PCB connector, 6 pos
TBD		定制品, 套件 Customized

A系列端子

Contacts for A series™

冲压成型端子 Stamped and Formed Contacts



适用产品系列 Suitable series	规格 Size	公针料号 Pin P/N	母针料号 Socket P/N	镀层 Plating	载条识别 Carrier strip identification	线缆范围 Wire range	电线外径范围 Wire insulation O.D.range	推荐剥线长度 Recommended strip length	参考的压接力 Ref crimp tensile	额定电流 Max rated amps
ATM & AHDP & AHDM (20,21,29, 35,47 pos)	20#	AT60-20-0122	AT62-20-0122	Nickel-plated	20-01	16~22AWG	1.91~3.15mm	3.81~5.08mm	89~45N	7.5A
		AT60-20-0144	AT62-20-0144	Gold-plated	20-01	16~22AWG	1.91~3.15mm	3.81~5.08mm	89~45N	7.5A
		AT60-20-0222	AT62-20-0222	Nickel-plated	20-02	16~22AWG	1.30~2.16mm	3.81~5.08mm	89~45N	7.5A
		AT60-20-0244	AT62-20-0244	Gold-plated	20-02	16~22AWG	1.30~2.16mm	3.81~5.08mm	89~45N	7.5A
AT & ATV & AHD (9 pos) & AHDP & AHDM (6, 14,18,19,20, 21,23,27,29,31, 35,47 pos)	16#	AT60-14-0122	AT62-14-0122	Nickel-plated	14-16	14~16AWG	2.40~3.81mm	3.81~5.08mm	111N	13A
		AT60-14-0144	AT62-14-0144	Gold-plated	14-16	14~16AWG	2.40~3.81mm	3.81~5.08mm	111N	13A
		AT60-16-0122	AT62-16-0122	Nickel-plated	16-18	16~18AWG	1.91~3.55mm	3.81~5.08mm	111N	13A
		AT60-16-0144	AT62-16-0144	Gold-plated	16-18	16~18AWG	1.91~3.55mm	3.81~5.08mm	111N	13A
		AT60-16-0622	AT62-16-0622	Nickel-plated	0.5-1.0	18~20AWG	1.40~2.54mm	3.81~5.08mm	111~67N	13A
		AT60-16-0644	AT62-16-0644	Gold-plated	0.5-1.0	18~20AWG	1.40~2.54mm	3.81~5.08mm	111~67N	13A
		AT60-16-0822	AT62-16-0822	Nickel-plated	0.34~0.5	20~22AWG	1.31~1.50mm	3.81~5.08mm	67~40N	13A
		AT60-16-0322	N/A	Nickel-plated	0.34~0.5	20~22AWG	1.31~1.50mm	3.81~5.08mm	67~40N	13A
ATP & AHD (6 pos) & AHDP & AHDM (7, 8,9,18,19,21,27, 29 pos)	12#	AT60-12-0222	AT62-12-0222	Nickel-plated	10-12	10~12AWG	3.56~5.18mm	5.72~7.00mm	134N	25A
		AT60-12-0244	AT62-12-0244	Gold-plated	10-12	10~12AWG	3.56~5.18mm	5.72~7.00mm	134N	25A
		AT60-12-0166	AT62-12-0166	Nickel-plated	12-14	12~14AWG	2.87~4.47mm	5.72~7.00mm	134N	25A
		AT60-12-0144	AT62-12-0144	Gold-plated	12-14	12~14AWG	2.87~4.47mm	5.72~7.00mm	134N	25A

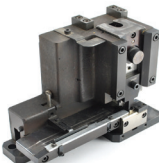


机加工端子 Machined Contacts

适用产品系列 Suitable series	规格 Size	公针料号 Pin P/N	母针料号 Socket P/N	镀层 Plating	线缆范围 Wire range	推荐剥线长度 Recommended strip length	参考的压接力 Ref crimp tensile	额定电流 Max rated amps
ATM& AHDP (29 pos)	20#	AT60-202-2031	AT62-201-2031	Gold-plated	20AWG	3.96~5.54mm	89N	7.5A
		AT60-202-20141	AT62-201-20141	Nickel-plated	20AWG	3.96~5.54mm	89N	7.5A
		AT60-010-2031	AT62-005-2031	Gold-plated	16~18AWG	3.96~5.54mm	89N	7.5A
		AT60-010-20141	AT62-005-20141	Nickel-plated	16~18AWG	3.96~5.54mm	89N	7.5A
AT & ATV & AHD (9 pos) & AHDP & AHDM (6, 14,18,19,20, 21, 23, 27,29, 31, 35,47 pos)	16#	AT60-202-1631	AT62-201-1631	Gold-plated	16~18AWG	6.35~7.92mm	156~89N	13A
		AT60-202-16141	AT62-201-16141	Nickel-plated	16~18AWG	6.35~7.92mm	156~89N	13A
		AT60-215-1631	AT62-209-1631	Gold-plated	14AWG	6.35~7.92mm	311N	13A
		AT60-215-16141	AT62-209-16141	Nickel-plated	14AWG	6.35~7.92mm	311N	13A
		AT60-202-1631-20	AT62-201-1631-20	Gold-plated	18~20AWG	6.35~7.92mm	89N	13A
		AT60-202-16141-22	AT62-201-16141-22	Nickel-plated	22~24AWG	6.35~7.92mm	35~22N	13A
ATP & AHD (6 pos) & AHDP & AHDM (7, 8,9,18,19,21,27, 29 pos)	12#	AT60-220-1231	AT62-210-1231	Gold-plated	12~14AWG	5.64~7.21mm	334~311N	25A
		AT60-204-12141	AT62-203-12141	Nickel-plated	12~14AWG	5.64~7.21mm	334~311N	25A
		AT60-220-1231-1618	AT62-210-1231-1618	Gold-plated	16~18AWG	5.64~7.21mm	156~111N	25A
		AT60-220-1231-1820	AT62-210-1231-1820	Gold-plated	18~22AWG	5.64~7.21mm	111~89N	25A
AHDP & AHDM (7 pos only)	3.6mm	SC000345	SC000346	Silver-plated	7~10AWG	10.92~12.5mm	556~400N	80A
AHDP(7 pos CL22)	4#	AT60-203-04141-4	AT62-203-04141-4	Nickel-plated	4AWG	10.92~12.5mm	1334N	100A
AHDP&AHDM (9,18 pos)	8#	AT60-204-08141	AT62-203-08141	Nickel-plated	8~10AWG	10.92~12.5mm	556~400N	60A
AHDP & AHDM (6, 9 pos)&ATHD	4#	AT60-204-0490	AT62-203-04141	Nickel-plated	6AWG	10.92~12.5mm	1334N	100A

可选附件

Optional accessories

类型 Series	料号 P/N	图片 Pictures	适用产品 Suitable products
铆压工具 Crimp tool	CA-5D12		手动铆压工具, 适用于12#和16#机加工端子 Hand crimp tool. For 12# & 16# machined contacts
	MFV-3950		端子机铆压工具, 适用于16#冲压端子 Crimp die. For 16# formed & stamped contacts
	MFV-3953		端子机铆压工具, 适用于16#和20#冲压端子 Crimp die. For 16# formed & stamped contacts
	CA-5E12		气动铆压工具, 适用于12#和16#机加工端子 Pneumatic crimp tool. For 12# & 16# machined contacts
定位梢 Dowel	AT-246CPA-RD		适用于AT系列2,4,6芯产品, ATP系列2,4芯 For AT series - 2, 4, 6 Pos products ATP series - 2, 4 pos
	AT-3CPA-GRN		适用于AT系列3芯产品 For AT series - 3Pos products
堵头 Sealing plug	A114017		适用于AT, ATP, AHD和AHDP系列密封塞, 12AWG, 16AWG For AT, ATP, AHD, AHDP series sealing, 12AWG, 16AWG
	A114018		适用于AHDP系列密封塞, 8AWG For AHDP series sealing, 8AWG
	A114019		适用于AHDP系列密封塞, 4AWG For AHDP series sealing, 4AWG
	A114017-SR		适用于AT系列带SR尾盖 For AT series with end cap SR, black
	AT13-204-2005		适用于AT, ATM和AHDP系列密封塞, 20AWG For AT, ATM & AHDP series sealing, 20AWG
	AT13-204-2005-SR		适用于ATV, ATM系列带SR尾盖, 20AWG For ATV & ATM series with end cap SR, black, 20AWG
	AT13-217-1605		适用于AT系列, SIZE16 的可锁的密封塞 Locking Seal plug, size 16
	AT13-217-1605-SR		适用于AT系列带SR尾盖连接器的可锁的密封塞 Locking Seal plug, size 16, SR
	ATM13-217-2005		适用于ATM系列, SIZE 20 的可锁的密封塞 Locking Seal plug, size 20
	ATM13-217-2005-SR		适用于ATM系列带SR尾盖连接器的可锁的密封塞 Locking Seal plug, size 20, SR
取卸工具 Extraction tool	ATRT-100		取A系列压板和端子 Extract wedges & contacts of A series

可选附件

Optional accessories

类型 Series	料号 P/N	图片 Pictures	适用产品 Suitable products
ATP 尾部附件 ATP Tail accessory	ATP06-4S-NC12		适用于ATP系列4孔插头插座 For ATP series - 4 Pos plug & receptacle.
	ATPBS8-2-NC12		适用于ATP系列2孔插头插座 For ATP series - 2 Pos plug & receptacle.
防尘盖 Dust cap	AT12P-RSC-BLK		适用于AT系列12孔插座 (AT04-12PX-XXX), 黑色
	AT06-2S-CAP		适用于AT系列2孔插头 (AT06-2S-XXXX), 黑色 For AT series - 2 Pos plug, black
	AT06-3S-CAP		适用于AT系列3孔插头 (AT06-3S-XXXX), 黑色 For AT series - 3 Pos plug, black
	AT06-4S-CAP		适用于AT系列4孔插头 (AT06-4S-XXXX), 黑色 For AT series - 4 Pos plug, black
	AT06-6S-CAP		适用于AT系列6孔插头 (AT06-6S-XXXX), 黑色 For AT series - 6 Pos plug, black
	AT06-08S-CAP		适用于AT系列8孔插头 (AT06-08SX-XXXX), 黑色 For AT series - 8 Pos plug, black
	AT06-12S-CAP		适用于AT系列12孔插头 (AT06-12SX-XXXX), 黑色 For AT series - 12 Pos plug, black
固定夹 Mounting clip	AT11-VCLIP		适用于AT ATM ATP系列插座 (除AT 8芯外) MOUNTING CLIPS Applicable to AT ATM ATP series receptacle (except AT 8 pin)
	AT11-026-0205		孔直径5.08, 适用于AT ATM ATP ATV系列插座 (除8芯外) Hole diameter 5.08, suitable for AT ATM ATP series socket (except 8 cores)
	AT11-030-0205		适用于AT ATM ATP ATV系列插座 (除8芯外) Applicable to atatm ATP ATV series sockets (except 8 cores)
	AT27-003-1200		孔直径11mm, 适用于AT ATM ATP系列插座 (除AT 8芯外) Hole diameter 11mm, suitable for AT ATM ATP series receptacle. (except AT 8 pin)
	AT27-005-1200		孔直径13mm, 适用于AT ATM ATP系列插座 (除AT 8芯外) Hole diameter 13mm, suitable for AT ATM ATP series receptacle. (except AT 8 pin)

Boots

Boots为AT系列的插头插座接线部分的连接从外观方面提供了专业的解决方案。Boots由耐用塑料制成，不仅美观，而且能很好的保护连接器免受污垢，喷涂和压力冲洗。此塑胶系列的Boots耐温在28°C到100°C之间，安装快捷方便。

Boots provide a professional looking finishing touch for AT series connectors. Made of durable plastic, these slip-on boots are not only aesthetically appealing, but also provide increased protection from dirt, paint overspray, and pressure washing. The plastic boots are rated from 28°C to +100°C and offer a slip-on design making installation quick and easy.

料号 P/N	描述 Describe	适用产品 Suitable products
AT2P-BT	Boot, AT, 2 way, receptacle	AT04-2P-XXX
AT3P-BT	Boot, AT, 3 way, receptacle	AT04-3P-XXX
AT4P-BT	Boot, AT, 4 way, receptacle	AT04-4P-XXX
AT6P-BT	Boot, AT, 6 way, receptacle	AT04-6P-XXX
AT8P-BT	Boot, AT, 8 way, receptacle	AT04-8P-XXX
AT12P-BT	Boot, AT, 12 way, receptacle	AT04-12P-XXX
AT2S-BT	Boot, AT, 2 way, plug	AT06-2S-XXX
AT3S-BT	Boot, AT, 3 way, plug	AT06-3S-XXX
AT4S-BT	Boot, AT, 4 way, plug	AT06-4S-XXX
AT6S-BT	Boot, AT, 6 way, plug	AT06-6S-XXX
AT8S-BT	Boot, AT, 8 way, plug	AT06-8S-XXX
AT12S-BT	Boot, AT, 12 way, plug	AT06-12S-XXX

AT*-BT	AT*-BT-BK	AT*-BT-YW
		

AT系列插座组装

Assembly instruction - receptacle



1.将芯线铆压好端子。

Crimp contact.



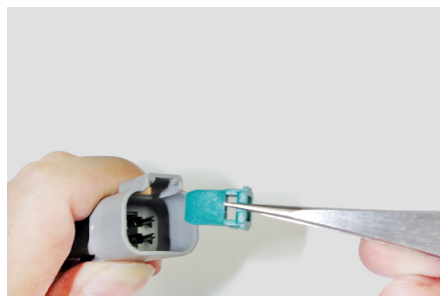
2.抓住芯线将端子对正连接器的相应孔位。

Hold connector with rear and insert contact depending on corresponding hole.



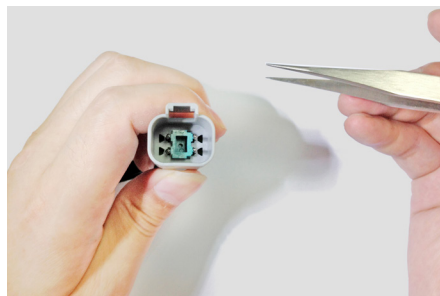
3.推动端子垂直插入连接器内, 听到一声清脆的喀嚓声表明端子插接到位。

Push contact straight into connector until a 'click' is felt. A slight tug will confirm placement.



4.用镊子夹住压板,将压板的小端对正连接器中间的卡槽。

Use tweezers to hold wedge and insert wedge facing onto connector middle groove.



5.将压板放到连接器内。

Put the wedge into connector with tweezers.

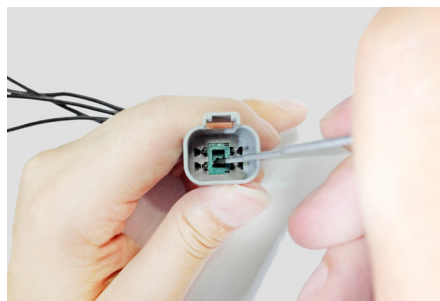


6.压板完全插入后, 能听到一声清脆的喀嚓声。

A 'click' will be felt when the wedge is fully installed.

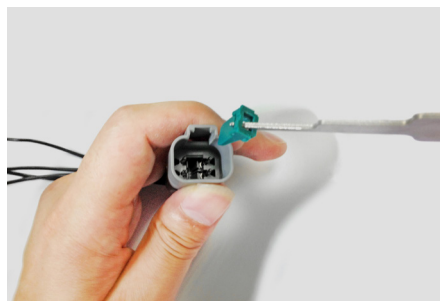
端子和压板拆卸图解

How to extract contacts and wedge



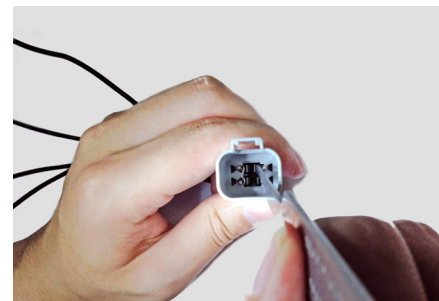
1.用取卸工具末端的小倒钩钩住压板。

Hook the inside wedge by small end edge of extraction tool.



2.用力拉动取卸工具, 把压板取出。

Pull the extraction tool until wedge is out of receptacle.

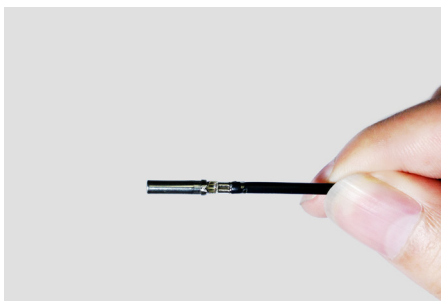


3.用取卸工具的末端把连接器的卡扣撑开, 取出端子。

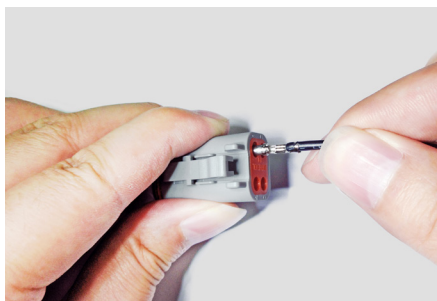
Use the same end of extraction tool to expand the slot and extract contacts from connector.

AT系列插头组装

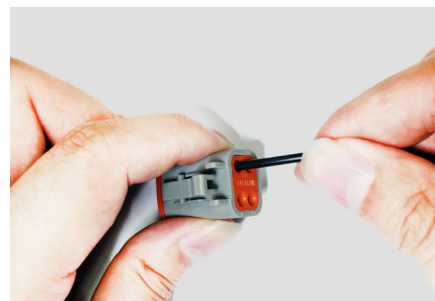
Assembly instruction - plug



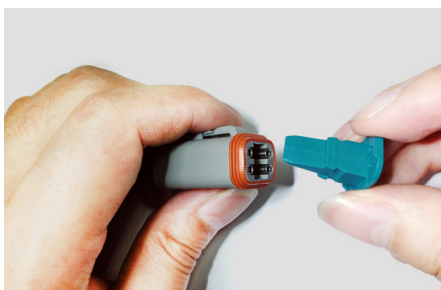
- 1.将芯线铆压好端子。**
Crimp contact.



- 2.抓住芯线将端子对正连接器的相应孔位。**
Hold connector with rear and insert contact depending on corresponding hole.



- 3.推动端子垂直插入连接器内, 听到一声清脆的咔嚓声表明端子插接到位。**
Push contact straight into connector until a 'click' is felt. A slight tug will confirm placement.



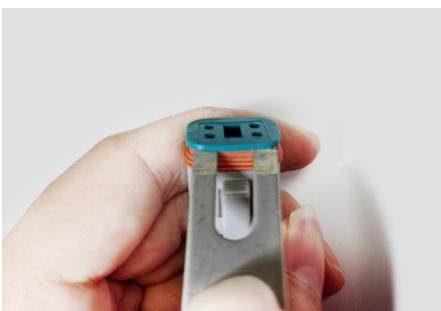
- 4.一手拿住压板, 一手拿住连接器, 将压板的小端对正连接器中间的槽孔。**
Hold connector and wedge. Insert wedge facing into connector middle groove.



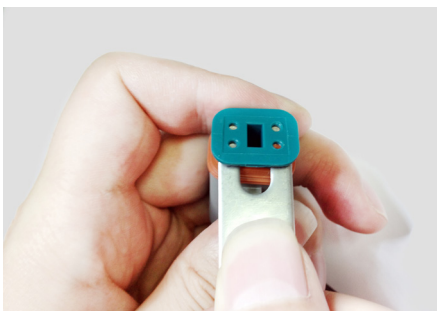
- 5.推动压板, 压板完全插入后, 能听到一声清脆的喀嚓声。**
A 'click' will be felt when the wedge is fully installed.

端子和压板拆卸图解

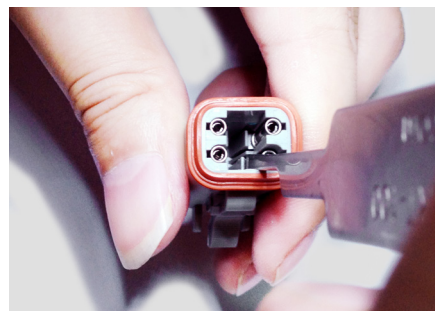
How to extract contacts and wedge



- 1.把拆卸工具的一端插入压板下面的边沿内。**
Insert into the lip underneath wedge by one end side of extraction tool.



- 2.撬动拆卸工具把压板取出。**
Prize up removal tool until wedge out of connector.



- 3.用拆卸工具的另一端把连接器的卡扣撑开, 取出端子。**
Use the other end side of extraction tool to expand the slot and extract contacts from connector.

ATV 38POS 插头组装说明

ATV 38POS piug assembly instructions

步骤1- 剥线皮，剥线长度按如下要求

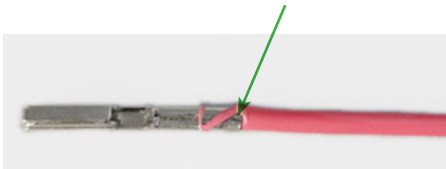
Step1- Stripping jacket, stripping length according to requirement below

料号 Part Number	SC000572X	SS14M1X	SS16M1X	SS20M1X
剥线皮长度 Stripping length	4.5mm	4.5mm	4.5mm	4.0mm

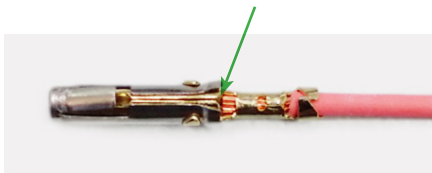


步骤2- 铆压端子

Step2- Crimp contact



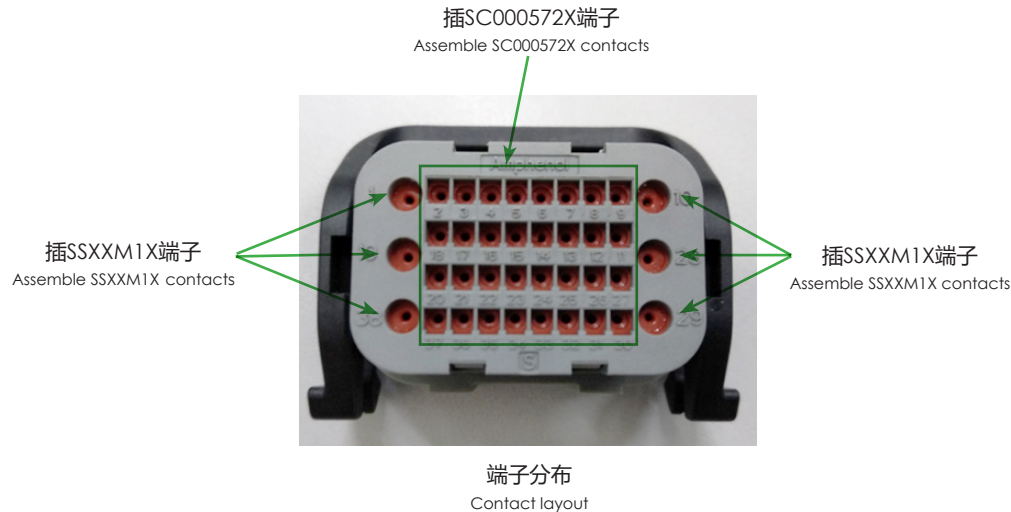
SC000572X: 铆压后绝缘部位外径最大2.1mm
SC000572X: Insulation OD should be 2.1mm Max. after crimping.



SSXXM1X: 铆压后绝缘部位外径最大3.2mm
SSXXM1X: Insulation OD should be 3.2mm Max. after crimping.

步骤3- 插端子

Step3- Assemble contacts



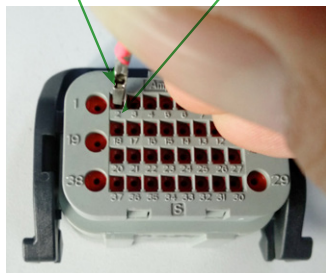
ATV 38POS 插头组装说明

ATV 38POS plug assembly instructions

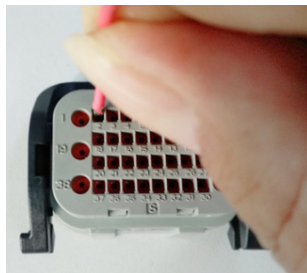
插SC000572X: 端子

Assemble SC000572X contacts

端子的窄边 contacts narrow side
孔的窄边 Hole narrow side



插入前
Before insertion



插入中
During insertion



插入后
After insertion

3.1- 端子窄边对应连接器孔的窄边，垂直向下将端子轻轻推入孔内。

注意：端子应对准孔中心轻轻推入，不能刺破密封圈；注意端子方向，防止端子方向错误刺穿密封圈。

3.1- Make sure the contact narrow side align to the connector hole narrow side before push the contact into the connector hole.

3.2- 端子插入连接器后，并回拉确认是否到位。

3.2- Push contact into connector hole and pull back to ensure the contact is in correct position.

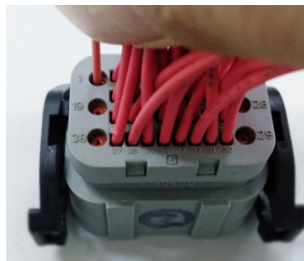
插SSXXM1X 端子

Assemble SSXXM1X contacts



3.3- 端子垂直向下对正连机器的相应孔。

3.3- Contacts are vertically down depending on corresponding hole of the connector.

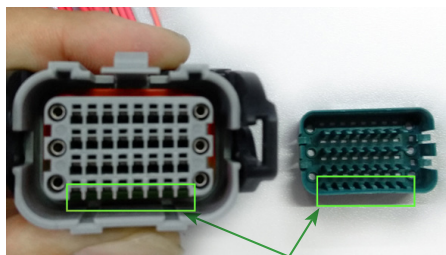


3.4- 推动端子插入连机器内，并回拉确认是否到位。

3.4- Push contact into connector until and pull back to confirm that the contact are in the specified position.

步骤4- 将压板装入连接器

Step4- Assemble wedge into the connector as shown below



对齐
aligning



压板键位与插头孔（绿色框内）对齐后，垂直将压板推入插头。

Push the wedge vertically into the pulg after the wedge align to the hole of the pulg.

ATV 38POS 插座组装说明

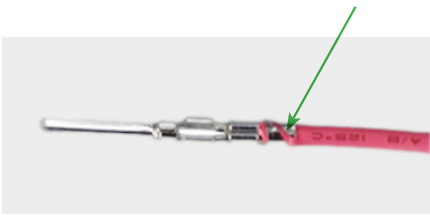
ATV 38POS receptacle assembly instructions

步骤1- 剥线皮，剥线长度按如下要求
Step1- Stripping jacket,stripping length according to requirement below

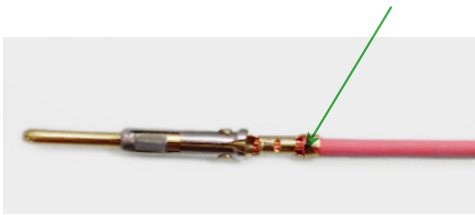
料号 Part Number	SC000571X	SP14M1X	SP16M1X	SP20M1X
Stripping length	4.0mm	4.5mm	4.5mm	4.0mm



步骤2- 铆压端子
Step2- Crimp contact

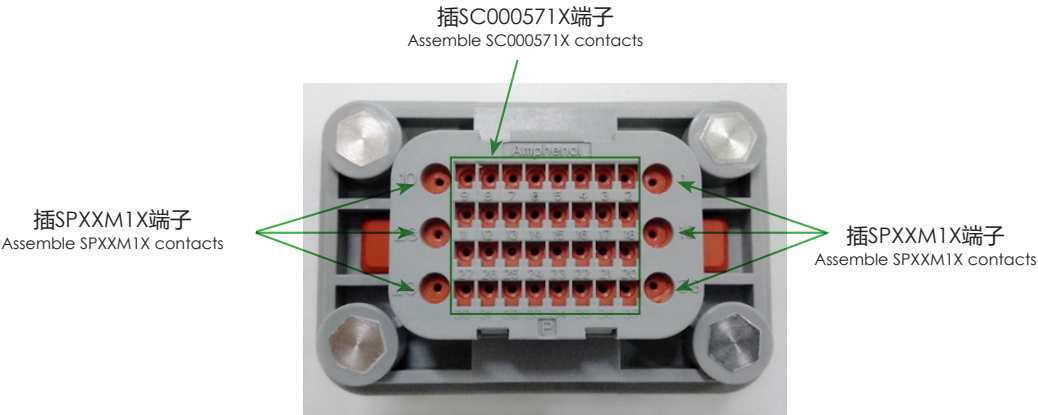


SC000571X: 铆压后绝缘部位外径最大2.1mm
SC000571X: Insulation OD should be 2.1mm Max. after crimping.



SPXXM1X: 铆压后绝缘部位外径最大3.2mm
SPXXM1X: Insulation OD should be 3.2mm Max. after crimping.

步骤3- 插端子
Step3- Assemble contacts



ATV 38POS 插座组装说明

ATV 38POS receptacle assembly instructions

插SC000571X: 端子

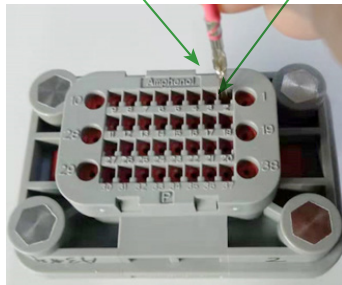
Assemble SC000571X contacts

端子的窄边

contacts narrow side

孔的窄边

Hole narrow side



插入前
Before insertion



插入中
During insertion



插入后
After insertion

3.1- 端子窄边对应连接器孔的窄边，垂直向下将端子轻轻推入孔内。

注意：端子应对准孔中心轻轻推入，不能刺破密封圈；注意端子方向，防止端子方向错误刺穿密封圈。

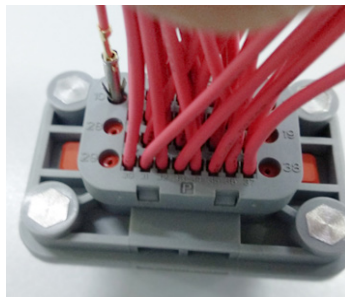
3.1- Make sure the contact narrow side align to the connector hole narrow side before push the contact into the connector hole.

3.2- 端子插入连接器后，并回拉确认是否到位。

3.2- Push contact into connector hole and pull back to ensure the contact is in correct position.

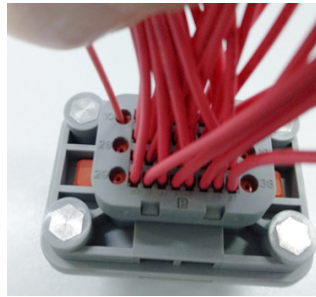
插SPXXM1X 端子

Assemble SPXXM1X contacts



3.3- 端子垂直向下对正连机器的相应孔。

3.3- Contacts are vertically down depending on corresponding hole of the connector.

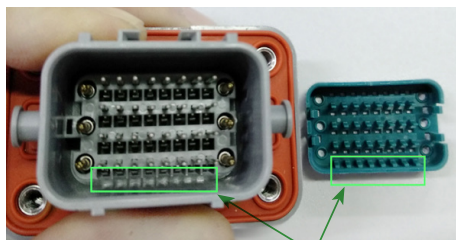


3.4- 推动端子插入连机器内，并回拉确认是否到位。

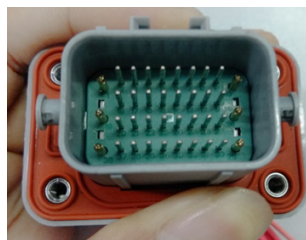
3.4- Push contact into connector until and pull back to confirm that the contact are in the specified position.

步骤4- 将压板装入连接器

Step4- Assemble wedge into the connector as shown below



对齐
aligning



压板键位与插头孔(绿色框内)对齐后，垂直将压板推入插头。

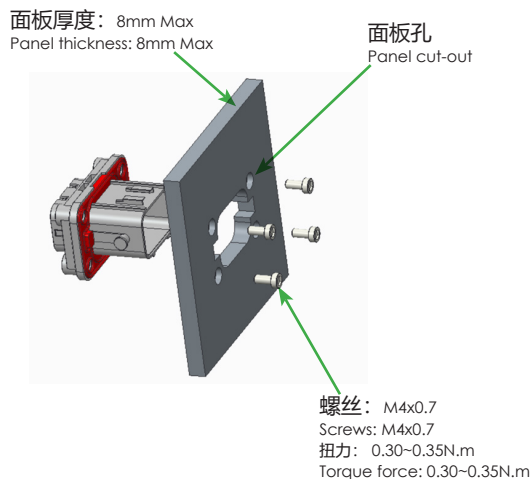
Push the wedge vertically into the pulg after the wedge align to the hole of the pulg.

ATV 38POS 插头&插座互配说明

ATV 38POS plug & receptacle Mating instructions

步骤1- 插座面板安装：将插座穿过面板孔，并锁好螺丝

Step1- Install and fasten receptacle to the panel cut-out

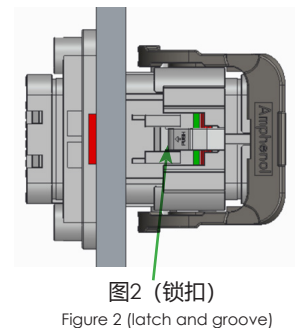
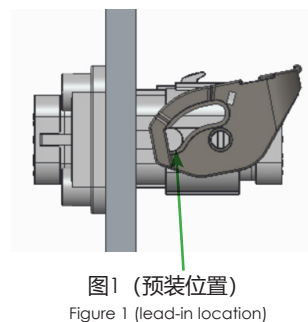
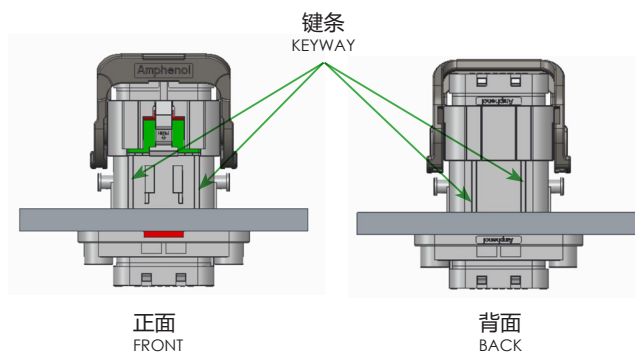


步骤2- 插头正面和背面键槽对准插座键槽，将插头垂直插入插座预装位置(见图1)

注意：插头锁扣正确进入插座锁框内(见图2)

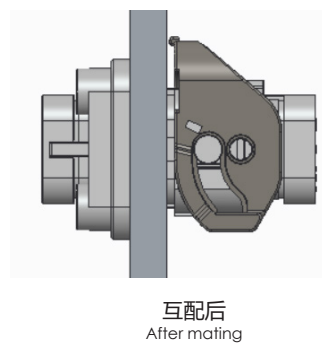
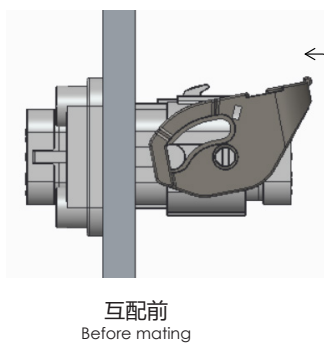
Step2- The front and back keyways of the plug align with the receptacle keyways, push the plug vertically into the receptacle at the lead-in location (see figure 1).

Note: The plug latch must enter the receptacle groove (see figure 2)



步骤3- 手柄向上转动将插头推入插座

Step3- Pull-up the handle to push plug into receptacle



ATV 38POS 插头&插座互配说明

ATV 38POS plug & receptacle Mating instructions

步骤4- 检查插头&插座互配后：插头锁扣正常弹出(见图3)

Step4- Check plug & receptacle after mating: Plug latch can spring-back properly (see figure 3).

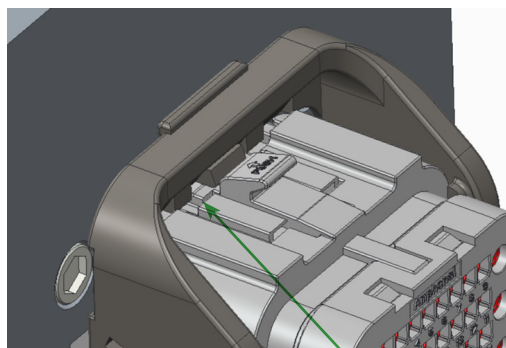


图3 (插头锁扣正常弹出)
Figure 3

步骤5- 插头&插座分离

Step5- Plug & socket separation

1. 按下插头锁扣（图4），向后推动手柄使手柄解锁（图5）

Press the plug latch and push the handle back(see figure 4, 5)



图4
Figure 4

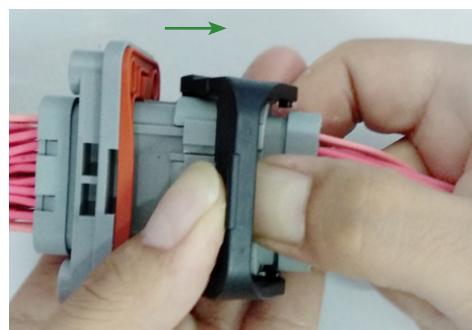


图5
Figure 5

2. 再次按下锁扣，使锁扣解锁（见图6），向后推动手柄使插头与插座分离（见图7）。

Press the latch again to unlock the latch (see figure 6) and push the handle backward to separate the plug (see figure 7).

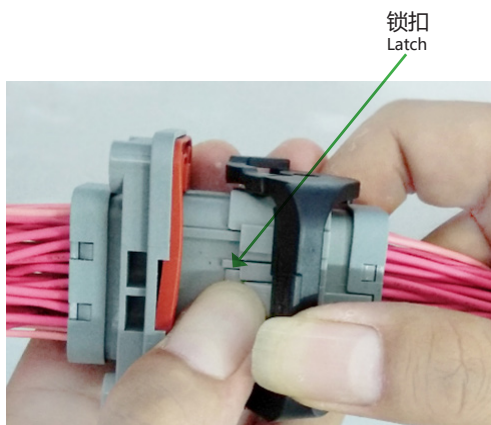


图6
Figure 6

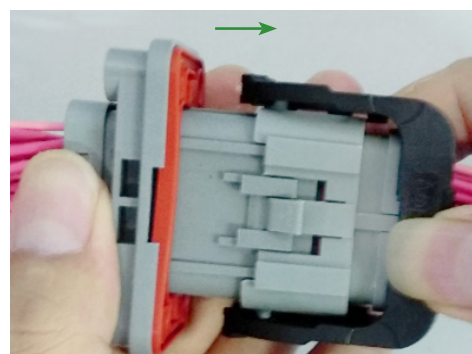
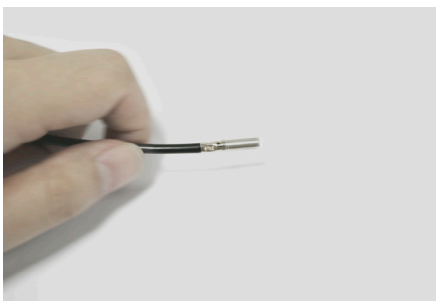


图7
Figure 7

AHDP系列插座组装

Assembly instruction - receptacle



1.将芯线铆压好端子。

Crimp contact.



2.抓住芯线将端子对正连接器的相应孔位。

Hold connector with rear and insert contact depending on corresponding hole.

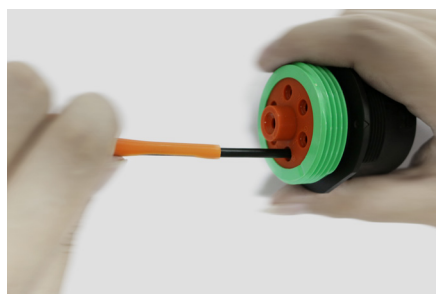


3.推动端子垂直插入连接器内, 感觉到不能向前推进时, 可以轻微地向后拉, 确定端子已被锁紧。

Push contact straight into connector until a positive stop is felt. A slight tug will confirm that it is properly locked in place.

端子拆卸图解

How to extract contacts



1.用合适的取卸工具套在外面的电线上。

With rear insert toward you, snap appropriate size removal tool over the wire of contact to be removed.



2.将工具插入连接器后部的孔中, 直到感觉到阻力为止。

Slide tool along the wire into the insert cavity until it engages contact and resistance is felt.

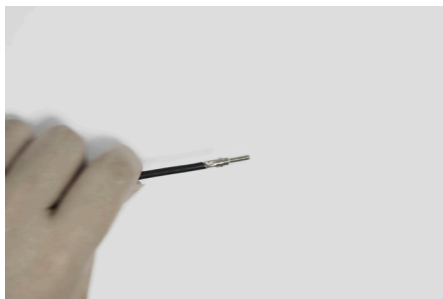


3.将带端子的电线和工具一起从连接器中拉出。

Pull contact wire assembly out of connector.

AHDP系列插头组装

Assembly instruction - plug



1.将芯线铆压好端子。
Crimp contact.



2.抓住芯线将端子对正连接器的相应孔位。
Hold connector with rear and insert contact depending on corresponding hole.



3.推动端子垂直插入连接器内, 感觉到不能向前推进时, 可以轻微地向后拉, 确定端子已被锁紧。
Push contact straight into connector until a positive stop is felt. A slight tug will confirm that it is properly locked in place.

端子拆卸图解

How to extract contacts



1.用合适的取卸工具套在外面的电线上。
With rear insert toward you, snap appropriate size removal tool over the wire of contact to be removed.



2.将工具插入连接器后部的孔中, 直到感觉到阻力为止。
Slide tool along the wire into the insert cavity until it engages contact and resistance is felt.



3.将带端子的电线和工具一起从连接器中拉出。
Pull contact wire assembly out of connector.

定制装配线缆 Customized cable assembly



P28901



P29099



P29114



P29383



P29404



P29405



P29629



P29814



P29985

Technical Data

IP Codes



1st digit	Brief description	Definition	2nd digit	Brief Description	Definition
0	Non-protected	--	0	Non-protected	--
1	Protected against access to hazardous parts with the back of a hand. Protected against solid foreign objects of $\geq 50\text{mm } \varnothing$.	The probe, sphere of 50mm $\varnothing$, shall not fully penetrate and shall have adequate clearance from hazardous parts.	1	Protected against vertically falling water drops	Vertically falling drops shall have no harmful effects.
2	Protected against access to hazardous parts with a finger. Protected against solid foreign objects of $\geq 12,5\text{mm } \varnothing$.	The jointed test finger of 12mm $\varnothing$, 80mm length, shall have adequate clearance from hazardous parts. The probe, sphere of 12,5mm $\varnothing$, shall not fully penetrate.	2	Protected against vertically falling water drops when enclosure tilted up to 15°	Vertically falling drops shall have no harmful effects when the enclosure is tilted at any angle up to 15°.
3	Protected against access to hazardous parts with a tool. Protected against solid foreign objects of $\geq 2,5\text{mm } \varnothing$.	The probe of 2,5mm $\varnothing$ shall not penetrate at all.	3	Protected against spraying water	Water sprayed at any angle up to 60° shall have no harmful effects.
4	Protected against access to hazardous parts with a wire.	The probe of 1mm $\varnothing$ shall not penetrate at all.	4	Protected against splashing water	Water splashed against the enclosure from any direction shall have no harmful effects.
5	Protected against access to hazardous parts with a wire. Dust-protected.	The probe of 1mm $\varnothing$ shall not penetrate. Intrusion of dust is not totally prevented, but dust shall not penetrate in a quantity to interfere with satisfactory operation of the device or to impair safety.	5	Protected against water jets	Water projected in jets against the enclosure from any direction shall have no harmful effects.
6	Protected against access to hazardous parts with a wire. Dust-tight.	The probe of 1mm $\varnothing$ shall not penetrate. No intrusion of dust.	6	Protected against powerful water jets	Water projected in powerful jets against the enclosure from any direction shall have no harmful effects.
Electrical connector devices have to be protected for safety reasons from outside influences like dust, foreign objects, direct contact, moisture and water. This protection is provided on industrial connectors by the housing latching devices and sealed cable entries. The degree of protection depends on the type of intended use. The standard IEC 60529 and/or DIN EN 60529 has specified the degree of protection and divided them into several classes. The attached charts gives an overview of all of the protection degrees.			7	Protected against the effects of temporary immersion in water	Intrusion of water in quantities causing harmful effects shall not be possible when the enclosure is temporarily immersed in water for 30 min. in 1m depth.
			8	Protected against the effects of continuous immersion in water	Intrusion of water in quantities causing harmful effects shall not be possible when the enclosure is continuously immersed in water under conditions which shall be agreed between manufacturer and user but which are more severe than for numeral 7.
			9K ¹⁾	Protected against water during high pressure/steam jet cleaning	Water projected in powerful jets with high pressure and heat against the enclosure from any direction shall have no harmful effects.

线径对应表

AWG CONVERSION TABEL

AWG Code AWG线号	Diameter(Inch) 直径 (英寸)	Diameter(mm) 直径 (毫米)	F(mm2)截面积 (平方毫米)
000000	0.5800	14.73	170.37
00000	0.5165	13.12	135.11
0000	0.4600	11.68	107.16
000	0.4096	10.40	84.97
00	0.3648	9.27	67.40
0	0.3249	8.25	53.46
1	0.2893	7.35	42.39
2	0.2576	6.54	33.61
3	0.2294	5.83	26.65
4	0.2043	5.19	21.14
5	0.1819	4.62	16.76
6	0.1620	4.11	13.29
7	0.1443	3.67	10.55
8	0.1285	3.26	8.36
9	0.1143	2.90	6.62
10	0.1019	2.59	5.26
11	0.0907	2.30	4.17
12	0.0808	2.05	3.31
13	0.0720	1.83	2.63
14	0.0641	1.63	2.08
15	0.0571	1.45	1.65
16	0.0508	1.29	1.31
17	0.0453	1.15	1.04
18	0.0403	1.02	0.82
19	0.0359	0.91	0.65
20	0.0320	0.81	0.52
21	0.0285	0.72	0.41
22	0.0253	0.64	0.32
23	0.0226	0.57	0.26
24	0.0201	0.51	0.20
25	0.0179	0.45	0.16
26	0.0159	0.40	0.13
27	0.0142	0.36	0.10
28	0.0126	0.320	0.0804
29	0.0113	0.287	0.0647
30	0.0100	0.254	0.0506
31	0.0089	0.226	0.0401
32	0.0080	0.203	0.0324
33	0.0071	0.180	0.0255
34	0.0063	0.160	0.0201
35	0.0056	0.142	0.0159
36	0.0050	0.127	0.0127
37	0.0045	0.114	0.0103
38	0.0040	0.102	0.0081
39	0.0035	0.089	0.0062
40	0.0031	0.079	0.0049
41	0.0028	0.071	0.0040
42	0.0025	0.064	0.0032
43	0.0022	0.056	0.0025
44	0.00198	0.050	0.0020
45	0.00176	0.045	0.0016
46	0.00157	0.040	0.0012
47	0.00140	0.036	0.0010
48	0.00124	0.031	0.0008
49	0.00110	0.028	0.0006
50	0.00099	0.025	0.0005

Appendix

Part number Index

Amphenol P/N		Amphenol P/N		Amphenol P/N	
AT04-2P	12	AT04-6P-SS01	18	AT06-12SX2-RD01	23
AT04-2P-RD01	12	AT04-6P-SR01BLK	18	ATV02-18PA	26
AT04-2P-EC01	12	AT04-6P-SR02BLK	18	ATV02-18PA-RD01	26
AT04-2P-MM01	12	AT06-6S	19	ATV02-18PB	26
AT04-2P-SS01	12	AT06-6S-RD01	19	ATV02-18PB-RR01	26
AT04-2P-SB01	12	AT06-6S-RR01	19	ATV02-18PC	26
AT04-2P-MM03	12	AT06-6S-EC01	19	ATV02-18PC-RR01	26
AT04-2P-SR01BLK	12	AT06-6S-MM01	19	ATV02-18PD	26
AT04-2P-SR02BLK	12	AT06-6S-SS01	19	ATV02-18PD-RD01	26
AT06-2S	13	AT06-6S-SR01BLK	19	ATV04-18PA	26
AT06-2S-RD01	13	AT06-6S-SR02BLK	19	ATV04-18PA-RR01	26
AT06-2S-EC01	13	AT06-6S-LC01	19	ATV04-18PA-BUS	26
AT06-2S-MM01	13	AT06-6S-LM01	19	ATV04-18PB	26
AT06-2S-SS01	13	AT06-6S-KE01GRY	19	ATV04-18PB-RR01	26
AT06-2S-SB01	13	AT06-6S-KE02GRY	19	ATV04-18PB-BUS	26
AT06-2S-MM03	13	AT04-08P*	20	ATV04-18PC	26
AT06-2S-SR01BLK	13	AT04-08P*-RD01	20	ATV04-18PC-RR01	26
AT06-2S-SR02BLK	13	AT04-08P*-RR01	20	ATV04-18PD	26
AT06-2S-LC01	13	AT04-08P*-EC01	20	ATV04-18PD-RR01	26
AT06-2S-LM01	13	AT04-08P*-MM01	20	ATV06-18SA	27
AT06-2S-KE01GRY	13	AT04-08P*-SS01	20	ATV06-18SA-RR01	27
AT06-2S-KE02GRY	13	AT04-08P*-SRGRY	20	ATV06-18SB	27
AT04-3P	14	AT04-08P*-SR2GRY	20	ATV06-18SB-RR01	27
AT04-3P-RD01	14	AT04-08PB-PM07G	20	ATV06-18SC	27
AT04-3P-EC01	14	AT04-08PB-PMR7G	20	ATV06-18SC-RR01	27
AT04-3P-MM01	14	AT06-08S*	21	ATV06-18SD	27
AT04-3P-SS01	14	AT06-08S*-RD01	21	ATV06-18SD-RR01	27
AT04-3P-SB01	14	AT06-08S*-RR01	21	ATV04-38SA-Sx	29
AT04-3P-MM03	14	AT06-08S*-EC01	21	ATV04-38SB-Sx	29
AT04-3P-SR01BLK	14	AT06-08S*-MM01	21	ATV04-38SC-Sx	29
AT04-3P-SR02BLK	14	AT06-08S*-SS01	21	ATV06-38SA-Sx	30
AT04-3P-PM05	14	AT06-08S*-SRGRY	21	ATV06-38SB-Sx	30
AT06-3S	15	AT06-08S*-SR2GRY	21	ATV06-38SC-Sx	30
AT06-3S-RD01	15	AT06-08S*-LC01	21	ATM06-2S	33
AT06-3S-EC01	15	AT06-08S*-LM01	21	ATM06-2S-EC01	33
AT06-3S-MM01	15	AT06-08S*-KE01	21	ATM06-2S-SS01	33
AT06-3S-SS01	15	AT06-08S*-KE02	21	ATM06-3S	33
AT06-3S-SB01	15	AT04-12P*	22	ATM06-4S	33
AT06-3S-MM03	15	AT04-12P*-RD01	22	ATM06-6S	33
AT06-3S-SR01BLK	15	AT04-12P*-RR01	22	ATM06-08SA	33
AT06-3S-SR02BLK	15	AT04-12P*-EC01	22	ATM06-12SA	33
AT06-3S-LC01	15	AT04-12P*-MM01	22	ATM06-12SA-SS01	33
AT06-3S-LM01	15	AT04-12P*-SS01	22	ATM04-2P	33
AT06-3S-KE01GRY	15	AT04-12P*-SRGRY	22	ATM04-2P-EC01	33
AT06-3S-KE02GRY	15	AT04-12P*-SR2GRY	22	ATM04-2P-SS01	33
AT04-4P	16	AT04-12P*-PM01	22	ATM04-3P	33
AT04-4P-RD01	16	AT04-12P*-PM02	22	ATM04-4P	33
AT04-4P-EC01	16	AT04-12P*-PM01-EC01	22	ATM04-6P	33
AT04-4P-MM01	16	AT04-12P*-PM02-EC01	22	ATM04-08PA	33
AT04-4P-SS01	16	AT04-12P*-NES	22	ATM04-12PA	33
AT04-4P-SR01BLK	16	AT04-12P*-NRD1	22	ATM04-12PA-SS01	33
AT04-4P-SR02BLK	16	AT04-12P*-NEC1	22	ATM06-2S-SR01GY	34
AT04-4P-R1K2K	16	AT04-12P*-NMM1	22	ATM06-3S-SR01GY	34
AT06-4S	17	AT04-12P*-NSS1	22	ATM06-4S-SR01GY	34
AT06-4S-RD01	17	AT06-12S*	23	ATM06-6S-SR01GY	34
AT06-4S-EC01	17	AT06-12S*-RD01	23	ATM06-8SA-SR01GY	34
AT06-4S-MM01	17	AT06-12S*-RR01	23	ATM06-12SA-SR01GY	34
AT06-4S-SS01	17	AT06-12S*-EC01	23	ATM04-2P-SR01GY	34
AT06-4S-SR01BLK	17	AT06-12S*-MM01	23	ATM04-3P-SR01GY	34
AT06-4S-SR02BLK	17	AT06-12S*-SS01	23	ATM04-4P-SR01GY	34
AT06-4S-LC01	17	AT06-12S*-SRGRY	23	ATM04-6P-SR01GY	34
AT06-4S-LM01	17	AT06-12S*-SR2GRY	23	ATM04-8PA-SR01GY	34
AT06-4S-KE01GRY	17	AT06-12S*-LC01	23	ATM04-12PA-SR01GY	34
AT06-4S-KE02GRY	17	AT06-12S*-LM01	23	ATP04-2P	38
AT04-6P	18	AT06-12S*-KE01	23	ATP04-2P-RD01	38
AT04-6P-RD01	18	AT06-12S*-KE02	23	ATP04-2P-EC01	38
AT04-6P-RR01	18	AT06-12SX1	23	ATP04-2P-MM01	38
AT04-6P-EC01	18	AT06-12SX1-RD01	23	ATP04-4P	38
AT04-6P-MM01	18	AT06-12SX2	23	ATP04-4P-RD01	38

Appendix

Part number Index

Amphenol P/N		Amphenol P/N		Amphenol P/N	
ATP04-4P-EC01	38	AHDP06-24-31SR-WTA	50	AHDP04-24-18SR-WTA	52
ATP04-4P-MM01	38	AHDP06-24-31PR-WTA	50	AHDP04-24-18PN-WTA	52
ATP04-4P-P018	38	AHDP04-24-19PN-WTA	50	AHDP04-24-18PR-WTA	52
ATP04-6P	38	AHDP04-24-19SN-WTA	50	AHDP04-24-19SR-WTA	52
ATP04-6P-RD01	38	AHDP04-24-19PR-WTA	50	AHDP04-24-19SN-WTA	52
ATP04-6P-EC01	38	AHDP04-24-19SR-WTA	50	AHDP04-24-19SR-WTA	52
ATP04-6P-MM01	38	AHDP04-24-31ST-WTA	50	AHDP04-24-19PR-WTA	52
ATP06-2S	38	AHDP04-24-31PT-WTA	50	AHDP04-24-21SR-WTA	52
ATP06-2S-RD01	38	AHDP04-24-31SR-WTA	50	AHDP04-24-21SN-WTA	52
ATP06-2S-EC01	38	AHDP04-24-31PR-WTA	50	AHDP04-24-21PN-WTA	52
ATP06-2S-MM01	38	AHDP06-18-06SN-WTA	51	AHDP04-24-21PR-WTA	52
ATP06-4S	38	AHDP06-18-06SN-WTAC030	51	AHDP04-24-23SR-WTA	52
ATP06-4S-RD01	38	AHDP06-18-08SN-WTA	51	AHDP04-24-23SN-WTA	52
ATP06-4S-EC01	38	AHDP06-18-08SR-WTA	51	AHDP04-24-23PN-WTA	52
ATP06-4S-MM01	38	AHDP06-18-08PN-WTA	51	AHDP04-24-23PR-WTA	52
ATP06-6S	38	AHDP06-18-08PR-WTA	51	AHDP06-24-27SR-WTA	53
ATP06-6S-RD01	38	AHDP06-18-14SN-WTA	51	AHDP06-24-27PR-WTA	53
ATP06-6S-EC01	38	AHDP06-18-14SR-WTA	51	AHDP06-24-29SR-WTA	53
ATP06-6S-MM01	38	AHDP06-18-14PN-WTA	51	AHDP06-24-29PR-WTA	53
AHD10-6-12P-L	42	AHDP06-18-14PR-WTA	51	AHDP06-24-31SR-WTA	53
AHD10-9-96P	42	AHDP06-18-20PN-WTA	51	AHDP06-24-31ST-WTA	53
AHD10-9-96PE	42	AHDP06-18-20PR-WTA	51	AHDP06-24-31PR-WTA	53
AHD10-9-1939P	42	AHDP06-18-20SN-WTA	51	AHDP06-24-31PT-WTA	53
AHD10-9-1939PE	42	AHDP06-18-20SR-WTA	51	AHDP06-24-35SR-WTA	53
AHD10-9-1939PNR	42	AHDP06-18-21PN-WTA	51	AHDP06-24-35PR-WTA	53
AHD10-9-1939P80	42	AHDP06-18-21SN-WTA	51	AHDP06-24-47SR-WTA	53
AHD10-9-1939P8R	42	AHDP04-18-06PN-WTA	51	AHDP06-24-47PR-WTA	53
AHD14-9-96P	42	AHDP04-18-06PN-WTAC030	51	AHDP04-24-27SR-WTA	53
AHD14-9-96PE	42	AHDP04-18-08SN-WTA	51	AHDP04-24-27PR-WTA	53
AHD14-9-1939P	42	AHDP04-18-08SR-WTA	51	AHDP04-24-29SR-WTA	53
AHD14-9-1939PE	42	AHDP04-18-08PN-WTA	51	AHDP04-24-29PR-WTA	53
AHD17-9-1939PE	42	AHDP04-18-08PR-WTA	51	AHDP04-24-31SR-WTA	53
AHD17-9-1939PES	42	AHDP04-18-14SN-WTA	51	AHDP04-24-31ST-WTA	53
AHD17-9-1939PES80	42	AHDP04-18-14SR-WTA	51	AHDP04-24-31PR-WTA	53
AHD10-9-1939P-B022	42	AHDP04-18-14PN-WTA	51	AHDP04-24-31PT-WTA	53
AHD10-9-1939PR-B022	42	AHDP04-18-14PR-WTA	51	AHDP04-24-35SR-WTA	53
AHD10-9-1939P-BP80	42	AHDP04-18-20PN-WTA	51	AHDP04-24-35PR-WTA	53
AHD10-9-1939PR-BP80	42	AHDP04-18-20PR-WTA	51	AHDP04-24-47SR-WTA	53
AHD16-6-12S	43	AHDP04-18-20SN-WTA	51	AHDP04-24-47PR-WTA	53
AHD16-6-12SB010	43	AHDP04-18-20SR-WTA	51	AHDP18-PN01	55
AHD16-9-96S	43	AHDP04-18-21PN-WTA	51	AHDP24-PN01	55
AHD16-9-96SE	43	AHDP04-18-21SN-WTA	51	AT11-310-1605	55
AHD16-9-1939S	43	AHDP06-24-07SN-WTA	52	AT11-337-1205	55
AHD16-9-1939SE	43	AHDP06-24-07PN-WTA	52	AT11-240-2005	55
AHD16-9-1939S80	43	AHDP06-24-07SN-WTACL22	52	AT11-001-3.6M	55
AHD16-9-1939S8R	43	AHDP06-24-09PR-WTA	52	AT11-027-0405	55
AHD17-9-1939S	43	AHDP06-24-09SR-WTA	52	AT114008	55
AHD17-9-1939SE	43	AHDP06-24-18SN-WTA	52	AT114009	55
AHD17-PN01	44	AHDP06-24-18SR-WTA	52	AT14-001-2486	55
AHD17-PN01-GRN	44	AHDP06-24-18PN-WTA	52	AT14-002-1886	55
AT11-310-1605	44	AHDP06-24-18PR-WTA	52	AHDP-16-04978	55
AT11-337-1205	44	AHDP06-24-19SR-WTA	52	AHDP-16-04477	55
AHD-06SR	44	AHDP06-24-19SN-WTA	52	AHDC06-18	55
AHD-09SR	44	AHDP06-24-19SR-WTA	52	AHDC06-24	55
AHD18-006	44	AHDP06-24-19PR-WTA	52	AHDC04-18	55
AHD18-009	44	AHDP06-24-21SR-WTA	52	AHDC04-24	55
AHDC169-T	44	AHDP06-24-21SN-WTA	52	AHDC04-24-PM	55
AHDC169-T-BLK	44	AHDP06-24-21PN-WTA	52	AHDM06-18-06SN	63
AHDC169-TM	44	AHDP06-24-21PR-WTA	52	AHDM06-18-06SN-C030	63
AHDC169-TMBLK	44	AHDP06-24-23SR-WTA	52	AHDM06-18-08SN	63
AHDC-16-6	44	AHDP06-24-23SN-WTA	52	AHDM06-18-08SR	63
AHDC-16-9	44	AHDP06-24-23PN-WTA	52	AHDM06-18-08PN	63
AHDC-16-9-BLK	44	AHDP06-24-23PR-WTA	52	AHDM06-18-08PR	63
AHDP06-24-19SN-WTA	50	AHDP04-24-07SN-WTA	52	AHDM06-18-14SN	63
AHDP06-24-19PN-WTA	50	AHDP04-24-07PN-WTA	52	AHDM06-18-14SR	63
AHDP06-24-19SR-WTA	50	AHDP04-24-07PN-WTACL22	52	AHDM06-18-14PN	63
AHDP06-24-19PR-WTA	50	AHDP04-24-09PR-WTA	52	AHDM06-18-14PR	63
AHDP06-24-31ST-WTA	50	AHDP04-24-09SR-WTA	52	AHDM06-18-20SN	63
AHDP06-24-31PT-WTA	50	AHDP04-24-18SN-WTA	52	AHDM06-18-20SR	63

Appendix

Part number Index

Amphenol P/N		Amphenol P/N		Amphenol P/N	
AHDM06-18-20PN	63	AHDP06-24-35PR	65	AHDP04-24-31PT	65
AHDM06-18-20PR	63	AT13-1612PB-BM0X	74	AHDP04-24-35SR	65
AHDM06-18-21SN	63	AT15-2P-BM0X	75	AHDP04-24-35PR	65
AHDM06-18-21PN	63	AT15-4P-BM0X	75	AHDP04-24-47SR	65
AHDM04-18-06PN	63	AT15-6P-BM0X	75	AHDP04-24-47PR	65
AHDM04-18-06PN-C030	63	AT15-6P2-BM0X	75	A114020-90	67
AHDM04-18-08SN	63	AT15-08P*-BM0X	75	A112263-90	67
AHDM04-18-08SR	63	AT15-12P*BM0X	75	A114021	67
AHDM04-18-08PN	63	AT15-12P*BM1X	75	A112264	67
AHDM04-18-08PR	63	AT15-1612PB-BM0X	75	AHDM-BS-18NUT	67
AHDM04-18-14SN	63	ATM13-2P-BM0X	76	AHDM-BS-24NUT	67
AHDM04-18-14SR	63	ATM13-3P-BM0X	76	AHDC34-18	67
AHDM04-18-14PN	63	ATM13-4P-BM0X	76	AHDC34-24	67
AHDM04-18-14PR	63	ATM13-6P-BM0X	76	AHDC36-18	67
AHDM04-18-20SN	63	ATM13-08P*-BM0X	76	AHDC36-24	67
AHDM04-18-20SR	63	ATM13-12P*-BM0X	76	AHDPBS-015-1805	67
AHDM04-18-20PN	63	ATM15-2P-BM0X	77	AHDPBS-016-1805	67
AHDM04-18-20PR	63	ATM15-3P-BM0X	77	AHDPBS-010-2405	67
AHDM04-18-21SN	63	ATM15-4P-BM0X	77	AHDPBS-011-2405	67
AHDM04-18-21PN	63	ATM15-6P-BM0X	77	AHDMBS-18-001	67
AHDM06-24-07SN	64	ATM15-08P*-BM0X	77	AHDMBS-24-001	67
AHDM06-24-07PN	64	ATM15-12P*-BM0X	77	AHDMBS-18-002	67
AHDM06-24-09SR	64	ATP13-2P-BM0X	78	AHDMBS-24-002	67
AHDM06-24-09PR	64	ATP13-4P-BM0X	78	AHDMBS-18-059	67
AHDM06-24-18SN	64	ATP15-2P-BM0X	78	AHDMBS-24-059	67
AHDM06-24-18SR	64	ATP15-4P-BM0X	78	AHDMBS-18-SM01	67
AHDM06-24-18PN	64	ATF13-2P-BMXX	79	AHDMBS-24-SM01	67
AHDM06-24-18PR	64	ATF13-3P-BMXXJ1939	79	ATHD04-1-4P	70
AHDM06-24-19SN	64	ATF13-3P-BMXX	79	ATHD04-1-4P-L009	70
AHDM06-24-19SR	64	ATF13-4P-BMXX	79	ATHD04-1-4P-L013	70
AHDM06-24-19PN	64	ATF13-6P-BMXX	79	ATHD06-1-4S	70
AHDM06-24-19PR	64	ATF13-6P2-BMXXBLU	79	ATHD04-1-8P	71
AHDM06-24-21SN	64	ATF13-08P*-BMXX	79	ATHD04-1-8P-E003	71
AHDM06-24-21SR	64	ATF13-12P*-BMXX	79	ATHD06-1-8S	71
AHDM06-24-21PN	64	ATF13-4P-18PCG	79	ATHD06-1-8S-E003	71
AHDM06-24-21PR	64	ATF13-4P-18PCT	79	ATHD06-1-8S-OM	71
AHDM06-24-23SN	64	AT04-2P-BMXX	80	ATHD04-1-12P	72
AHDM06-24-23SR	64	AT04-3P-BMXX	80	ATHD04-1-12P-E003	72
AHDM06-24-23PN	64	AT04-4P-BMXX	80	ATHD06-1-12S	72
AHDM06-24-23PR	64	AT04-6P-BMXX	80	ATHD06-1-12S-E003	72
AHDM04-24-07SN	64	AT04-08P*-BMXX	80	ATHD06-1-12S-OM	72
AHDM04-24-07PN	64	AT04-12P*-BMXX	80	ATSS-16-00	73
AHDM04-24-09SR	64	ATM13-12PA-GR01	81	ATSS-20-00	73
AHDM04-24-09PR	64	ATM13-12PA-R008	81	AT13-2P-BM0X	76
AHDM04-24-18SN	64	ATM13-12PA-12PB-BM03	81	AT13-4P-BM0X	76
AHDM04-24-18SR	64	ATM13-12PA-12PB-BM01	81	AT13-6P-BM0X	76
AHDM04-24-18PN	64	ATM13-12PC-12PD-BM01	81	AT13-6P2-BM0X	76
AHDM04-24-18PR	64	ATM13-12PC-12PD-BM03	81	AT13-08P*-BM0X	76
AHDM04-24-19SN	64	AIPXE-325XBP-01	81	AT13-12P*BM0X	76
AHDM04-24-19SR	64	AIPXE-325X4A	81	AT13-12P*BM1X	76
AHDM04-24-19PN	64	AIPXE-325X4B	81	AT13-1612PB-BM0X	76
AHDM04-24-19PR	64	AIPXE-325X4A-E016	81	AT15-2P-BM0X	77
AHDM04-24-21SN	64	AIPXE-325X4B-E016	81	AT15-4P-BM0X	77
AHDM04-24-21SR	64	AIPXE-325X4A-E017	81	AT15-6P-BM0X	77
AHDM04-24-21PN	64	AIPXE-325X4B-E017	81	AT15-6P2-BM0X	77
AHDM04-24-21PR	64	AT13-12PA-R015	82	AT15-08P*-BM0X	77
AHDM04-24-23SN	64	AT13-24PAB-BM03	82	AT15-12P*-BM0X	77
AHDM04-24-23SR	64	AT13-36PABC-BM03	82	AT15-12P*-BM1X	77
AHDM04-24-23PN	64	AT13-48PABCD-BM03	82	AT15-1612PB-BM0X	77
AHDM04-24-23PR	64	AIPXE-5X560A	82	ATM13-2P-BM0X	78
AHDM06-24-27SR	65	AHDP06-24-47SR	65	ATM13-3P-BM0X	78
AHDM06-24-27PR	65	AHDP06-24-47PR	65	ATM13-4P-BM0X	78
AHDM06-24-29SR	65	AHDM04-24-27SR	65	ATM13-6P-BM0X	78
AHDM06-24-29PR	65	AHDM04-24-27PR	65	ATM13-08P*-BM0X	78
AHDP06-24-31SR	65	AHDM04-24-29SR	65	ATM13-12P*-BM0X	78
AHDP06-24-31ST	65	AHDM04-24-29PR	65	ATM15-2P-BM0X	79
AHDP06-24-31PR	65	AHDP04-24-31SR	65	ATM15-3P-BM0X	79
AHDP06-24-31PT	65	AHDP04-24-31ST	65	ATM15-4P-BM0X	79
AHDP06-24-35SR	65	AHDP04-24-31PR	65	ATM15-6P-BM0X	79

Appendix

Part number Index

Amphenol P/N		Amphenol P/N		Amphenol P/N	
ATM15-08P*-BM0X	79	AT04-4P-EP13	90	CA-5E12	97
ATM15-12P*-BM0X	79	AT04-4P-P021	90	AT-246CPA-RD	97
ATP13-2P-BM0X	80	AT04-6P-EP13	90	AT-3CPA-GRN	97
ATP13-4P-BM0X	80	AT04-6P-P021	90	A114017	97
ATP15-2P-BM0X	80	AT04-6P-EP14	90	A114018	97
ATP15-4P-BM0X	80	AT04-08PA-P021	90	A114019	97
ATF13-2P-BMXX	81	AT04-08PB-P021	90	A114017-SR	97
ATF13-3P-BMXXJ1939	81	AT04-08PA-P028	90	AT13-204-2005	97
ATF13-3P-BMXX	81	AT04-08PB-P028	90	AT13-204-2005-SR	97
ATF13-4P-BMXX	81	AT04-08PA-P026	90	AT13-217-1605	97
ATF13-6P-BMXX	81	AT04-08PB-P026	90	AT13-217-1605-SR	97
ATF13-6P2-BMXXBLU	81	AT04-12PA-P016	90	ATRT-100	97
ATF13-08P*-BMXX	81	AT04-12PB-P016	90	ATP06-4S-NC12	98
ATF13-12P*-BMXX	81	AT04-12PA-P021	90	ATPB58-2-NC12	98
ATF13-4P-18PCG	81	AT04-12PB-P021	90	AT12P-RSC-BLK	98
ATF13-4P-18PCT	81	AT04-12PA-P026	90	AT06-2S-CAP	98
AT04-2P-BMXX	82	AT04-12PB-P026	90	AT06-3S-CAP	98
AT04-3P-BMXX	82	AT04-12PB-P027	90	AT06-4S-CAP	98
AT04-4P-BMXX	82	AT04-12PA-P075	90	AT06-6S-CAP	98
AT04-6P-BMXX	82	AT04-12PA-P030	90	AT06-08S-CAP	98
AT04-08P*-BMXX	82	AT04-12PB-P030	90	AT06-12S-CAP	98
AT04-12P*-BMXX	82	AT04-12PA-P031	90	AT11-VCLIP	98
ATM13-12P*-GR01	83	AT04-12PB-P031	90	AT11-026-0205	98
ATM13-12P*-R008	83	AT06-2S-OMXXX	91	AT11-030-0205	98
ATM13-12PA-12PB-BM03	83	AT06-3S-OMXXX	91	AT27-003-1200	98
ATM13-12PA-12PB-BM01	83	AT06-4S-OMXXX	91	AT27-005-1200	98
ATM13-12PC-12PD-BM01	83	AT06-6S-OMXXX	91	AT2P-BT	99
ATM13-12PC-12PD-BM03	83	AT06-08S*-OMXXX	91	AT3P-BT	99
AIPXE-325X4A	83	AT06-12S*-OMXXX	91	AT4P-BT	99
AIPXE-5X560B	83	AT06-6S-725827	91	AT6P-BT	99
AIPXE-325X4A-E016	83	AT06-6S-725884-xxx	91	AT8P-BT	99
AIPXE-325X4B-E016	83	AT06-2S-LED1201	92	AT12P-BT	99
AIPXE-325X4A-E017	83	AT06-2S-LED1220	92	AT2S-BT	99
AIPXE-325X4B-E017	83	AT06-2S-LED1230	92	AT3S-BT	99
AIPXE-325XBP-01	83	AT06-2S-LED1202	92	AT4S-BT	99
AT13-12PA-R015	84	AT06-2S-LED2401	92	AT6S-BT	99
AT13-24PAB-BM03	84	AT06-2S-LED2420	92	AT8S-BT	99
AT13-36PABC-BM03	84	AT06-2S-LED2430	92	AT12S-BT	99
AT13-48PABCD-BM03	84	AT06-2S-LED2402	92		
AIPXE-5X650A	84	AT06-2S-LED12V01	92		
AIPXE-5X650B	84	AT06-2S-LED24V01	92		
AT1612-13PB-G	85	AT06-2S-LED1224V	92		
AT1612-13PB-RDG	85	AT06-2S-LED1224V-OM	92		
AT1612-13PBNF13	85	AT04-2P-RT25	93		
AT1612-13S8	85	AT04-2P-RT01	93		
AT1612-13S8-RD	85	AT04-2P-RT02	93		
ATP04-2P-PM07G	86	AT04-4P-RT01	93		
ATP04-4P-PM07GEC	86	AT04-4P-RT03	93		
ATP04-3P-PM05	86	AT04-2P-RT06	93		
ATP04-6P-PM05	86	AT04-2P-R120YEL	94		
ATP04-08P*-PMR7G	86	AT04-3P-RJ120	94		
ATP04-12P*-PM05	86	AT04-3P-RY01	94		
ATP04-12P*-PM01	86	AT04-3P-R1K2K	94		
AT04-2P-PM1X	87	ATM04-2P-P007	94		
AT04-3P-PM1X	87	ATM04-2P-RA120GY	94		
AT04-4P-PM1X	87	ATM04-2P-RB120BK	94		
AT04-6P-PM1X	87	AT06-2S-R120YEL	94		
AT04-08P*-PM1X	87	AT06-3S-RJ120	94		
AT04-12P*-PM1X	87	ATM06-2S-R120	94		
AT04-2P-L012	88	ATM06-2S-RA120GY	94		
AT04-3P-L012	88	ATM06-2S-RB120BK	94		
AT04-4P-L012	88	1052459	95		
AT04-6P-L012	88	AT04-48P-B016	95		
AT04-08P*-L012	88	AT-501277	95		
AT04-12P*-BL04	88	AT-501279	95		
ATP04-4P-PM01	88	AT-729477	95		
ATP04-4P-PM02	88	CA-5D12	97		
ATM04-12P*-PM01	88	MFX-3950	97		
AT04-2P-P060	90	MFX-3953	97		