

产品说明书

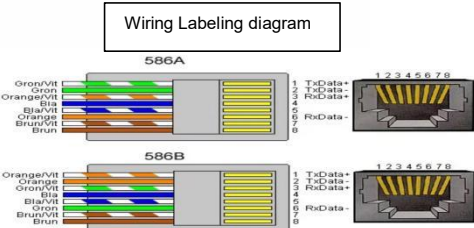
总览Overview

XCCT® This plug delivers excellent performance for voice,data,and high-speed networking applications,available in four-,six-,and eight-circuit configurations.A full range of manual and production tools enables easy termination.

Features and benefits:Is complies with FCC part 68.5 and IEC 60603-7 requirements,and is certified for use in all FCC - and IEC -approved applications.Offering a variety of circuit configurations,it eliminates pull-out force on terminal contacts,providing design flexibility for a wide range of applications

应用领域Applications

Consumer Products:ATM machines,Photocopiers,Laptops Gaming consoles,Security Systems,Servers,.Vending Machines Televisions.
Data/Communication:Digital Copiers,etc.
Industrial Automation:Industrial smoke&Dust detectors,Test equipment,Time synchronization devices,Industrial vending machines.
Medical:medical devices,medical diagnostic equipment,patient monitoring systems.
Networking:networking infrastructure equipment,Routers and/or Switches Servers.



Product testing overview

Inspection for Environmental Protection:
Based on the performed testson submitted sample,the test results are Compliant with the limits of ROHS Directive 2011/65/EUCand its subsequent amendments. Also with reference to IEC62631,Ed1111*54/CDV

Electrical Test:
A.250V ac max,at2A.
B.Dielectric withstanding 1000V/DC/min,<0.5A
C.Insulation Resistance:>500mQ1000V./min
D.Contact Resistance:<20M mΩ.

Gold Plate Inspection:
PerMIL-G-45204C,TypeII(99%pure gold minimum)
Grade C+(Knoop hardness range 130-250)
Class 1(50 micro inches minimum thickness)

Mechanical:
A.Cable-to-plug tensile strength-20LBs(89N)min
B.Durability:2000 mating cyches.

Material&Finish:
A.Housing material:polycarbonate(PC.)
(ULNo.E239590)94V-0AND 94v-2(ForUL1863 DUXR2)
B.Contact blade:Phosphor Bronze
a:High strength cooper alloy IJIS c5191R-H(PBR-2)
b:nickel under plated &gold selected.

Operating Temperature:-4℃~+125℃

Mechanical Characteristics:The RJ-45 connector comprises a metallic contact array and thermoplastic housing. With the contact tab facing upward, pin numbering ascends from 1 to 8 left-to-right. EIA/TIA wiring standards define two twisted-pair termination schemes: T568B and T568A, with T568B being the predominantly adopted configuration in current practice.

T568B standard:white-orange-1,orange-2,white-green-3,blue-4,white-blue-5, green-6,white-brown-7, brown-8

T568A standard:white-green-1, green-2, white-orange-3, blue-4, white-blue-5, orange-6, white-brown-7, brown-8

When both ends of the network cable are terminated using the same wiring standing,It is called a straight-through cable.If one end follows the T568B standard while the other follows T568A, this configuration is referred to as a crossover cable.Straight-through and crossover cables serve distinct deployment scenarios in network infrastructure.

Electrical Characteristics:Refer to table 10/100BASE-TX RJ-45 interface definition

Pin	Name	Description
1	TX+	Tranceive Data+(发信号+)
2	TX-	Tranceive Data-(发信号-)
3	RX+	Receive Data+(收信号+)
6	RX-	Receive Data-(收信号-)
4、5、7、8	NC	Not Connected(空脚)

Reference standards:

[1]EIA/TIA-568A

[2]EIA/TIA-568B

[3]IEEE 802.310Base-T

[4]EEE 802.3100 Base-TX

环保测试:

通过ROHS Directive2011/65/EU并参照 IEC.62631Ed1 111/54/CDV 之安全物质使用的检验标。

电器特性:

A.250 伏特AC.最大2安培耐电压伏特数
B. 耐电压测试: 小于0. 5安培1000伏特DC/ 一分钟
C. 绝缘抗阻: 1000伏特DC/ 一分钟, 大于500百万欧姆
D. 接触阻抗: 不大于20m Ω (毫欧姆)

镀金检验:

依据MIL-G-45204C 标准规格, TYPEII 最少99%纯金量
等级C+(Knoop hardness range 130-250)
等级1(最少量50U” 厚度)

机械特性:

A.拉力测试-电缆至插座张力强度至少一分钟20磅(89N)
B. 耐力测试-插拔测2000次以上

材质及表面处理:

A. PLUG 原料: PC 防火等级94V-2&94V-0 (UL No. E239590)
B. 金片: 三叉纯铜材质
a. 高强度铜合金【JIS C5191R-H(PBR-2)】 标准材质
b. 电镀规格局镀镍, 并在接触点镀金。

使用温度范围: -40℃~+125℃

XCCT®

Connector-Modularplug

东莞市华翔电子有限公司

DONGGUAN

HUAXIANG

ELECTRONICS

CO.,LTD



Our company specializes in R & D and production of network connectivity products,including RJ9, RJ12, RJ45, and RJ50 modular plugs in US ,German,and industrial-grade variants,along with plug protectors,tool-less termination plugs,network modules,and telecom adapters.We provide OEM/ODM customization services with prototype development based on specific requirement.

Our manufacturing facility,located in Dalingshan Town,Dongguan,occupies a 3200m² production area.Equipped with fully automated injection molding lines,automatic gold-plated terminal embedding systems,High-speed stamping lines,CNC machining centers,and precision testing equipment,we implement Vertically integrated manufacturing to ensure consistently reliable quality.Production capacity exceeds one million Units Daily with guaranteed stable supply



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Address:Hantang Street,Longjiang Road,Dalingshan Town,Dongguan City

Website:dghuaxiang08.1688.com





Designation: Cat5e color-coded modular plugs
Conductor cavity OD:1.0mm Model Number: HX005U-C10
Applicable interface: RJ45



Designation: Cat6 FTP modular plug
Conductor cavity OD:1.2mm Model Number: HX006F-A12
Applicable interface: RJ45



Designation:6P6C Telephone modular plug
Conductor cavity OD:1.0mm Model Number:HX0DH62U-F10
Applicable interface: RJ11



Designation:Cat7 FTP through-hole two-piece modular plug
Conductor cavity OD:1.3mm 1.5mm
Model Number:HX007FTK-A15 Applicable interface: RJ45



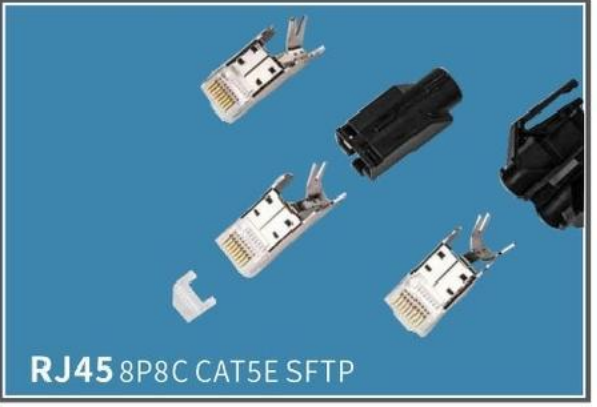
Designation:Cat 6 single-row EZ modular plug
Conductor cavity OD:1.1mm
Model Number: HX006UTK-W11
Applicable interface: RJ45



Designation:Cat7A FTP two-piece Gold-plated modular plug
Conductor cavity OD:1.3mm、1.5mm
Model Number:HX007FJ-A15
Applicable interface:RJ45



Designation:Short-body FTP Two-piece Gold-plated modular plug
Conductor cavity OD:0.6mm、0.8mm、1.0mm
Model Number:HX088F-010
Applicable interface:RJ45



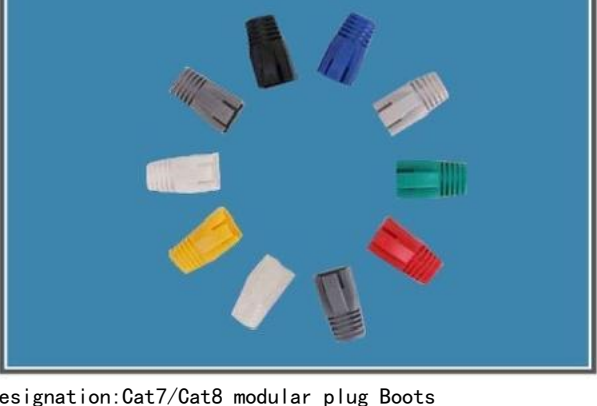
Designation:German-style industrial-Grade Cat5 FTP two-piece modular plug
Conductor cavity OD:1.0mm
Model Number:HX005F-010
Applicable interface:RJ45



Designation: Cat5e FTP EZ modular plug
Conductor cavity OD:1.0mm
Model Number : HX005FTK-A10
Applicable interface: RJ45



Designation:Cat8 FTP Two-piece modular plug
Conductor cavity OD:1.3mm、1.5mm
Model Number:HX008F-015
Applicable interface: RJ45



Designation:Cat7/Cat8 modular plug Boots
Conductor cavity OD:6.5mm、7.5mm、8.5mm
Model Number:HX0HT01



Designation:PC Latch Boots
Conductor cavity OD:6.5mm
Model Number:HX0HT04



MP4P2C

4P2C



MP6P4C

6P4C



MP6P2C 左歪头 3、4位

6P2C Left-offset latch positions 3,4



MP6P4C 右歪头 1256位

6P4C right-offset latch positions 1,2,5,6



MP6P8槽4C

6P8 Slot 4C



MP4P4C 1.0/0.8mm

4P4C 1.0/0.8mm



MP6P6C

6P6C



MP6P2C 右歪头 5、6位

6P2C right-offset latch positions 5,6



MP6P6C 右歪头

6P6C right-offset latch



MP6P6C/4C/2C 中长度

6P6C/4C/2C Medium-length



MP6P2C

6P2C



MP6P2C 左歪头 1.6位

6P2C Left-offset latch 1.6-position



MP6P2C 右歪头 3、4位

6P2C right-offset latch positions 3,4



MP6P槽2C

6P Slot 2C



MP6P4C/2C/6C 特长

6P6C/4C/2C Extra-long



MP6P6C/4C/2C 加长

6P6C/4C/2C Extended-length



MP6P6C/4C/2C 加长屏蔽

6P6C/4C/2C Extended-length FTP



MP8P4C 1236位 堵4578孔

8P4C positions 1.2.3.6 plugged cavities 4,5,7,8



MP8P8C 1278位 堵3456孔

8P8C positions 1.2.7.8 plugged cavities 3,4,5,6



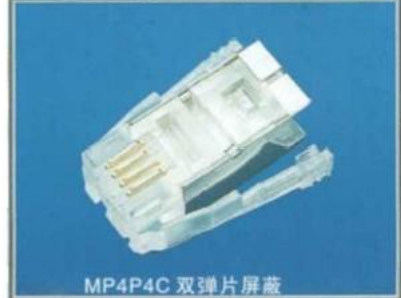
MP8P8C 短弹片

8P8C Short-contact-spring



MP6P6C 短体

6P6C Short-body



MP4P4C 双弹片屏蔽

4P4C Dual-contact-spring FTP



MP8P8C

8P8C



MP8P8C 堵4578孔

8P8C plugged cavities 4,5,7,8



MP8P8C 加长

8P8C Extended-length



MP6P6C 双卡位

6P6C Dual-slot



MP8P2C

8P2C



MP8P8C 弹片半圆

8P8C semi-circular-contact-spring



MP8P8C 分离式

8P8C Two-piece

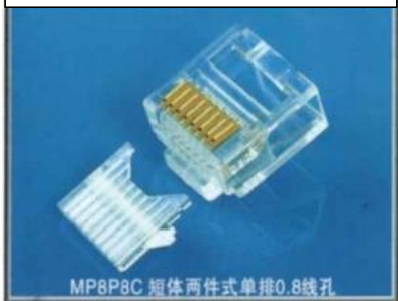


MP8P8C 带KEY

8P8C keyed



MP8P8C 短体两件式翻盖支架 $\phi 0.55\text{mm}$
8P8C Short-body two-piece flip-cover
Strain relief $\phi 0.55\text{mm}$



MP8P8C 短体两件式单排0.8线孔
8P8C Short-body two-piece single-row $\phi 0.8$



MP8P8C 短体长弹片
8P8C Short-body long-contact-spring



MP8P8C CAT6 双排
8P8C Cat6 dual-row



MP8P8C 两件式单排1.0线孔
8P8C two-piece single-row $\phi 1.0\text{mm}$



MP8P8C 短体两件式平支架 $\phi 0.55\text{mm}$ 线孔
8P8C Short-body two-piece flat strain relief
 $\phi 0.55\text{mm}$



MP8P4C 短体1236位
8P4C short-body positions 1.2.3.6



MP8P8C 短体双排 CAT6
8P8C Short-body dual-row cat6



MP8P8C 双排弯弹片 CAT6
8P8C Cat6 dual-row curved-contact-spring



MP8P8C 两件式双排CAT6
8P8C cat6 two-piece dual-row



MP8P8C 短体两件式单排
8P8C Short-body two-piece single-row



MP8P8C 短体
8P8C Short-body



MP8P8C 无弹片
8P8C Contact-spring-free



MP8P8C 两件式双排 弯弹片 CAT6
8P8C cat6 two-piece dual-row curved-
contact-spring



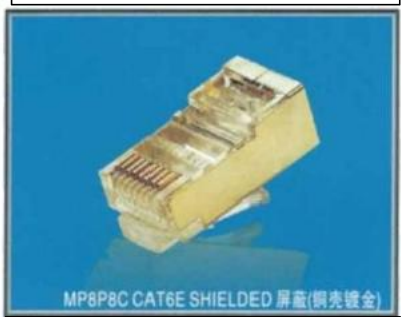
MP8P8C cat6 六上二下 CAT6
8P8C cat6 6-top-2-bottom contact arrangement



MP8P8C 三件式 封口支架
8P8C three-piece sealed bracket



MP8P8C SHIELDED 屏蔽
8P8C FTP



MP8P8C CAT6E SHIELDED 屏蔽(铜壳镀金)
8P8C cat6 FTP connector with gold-plated
copper shell



MP8P8C SHIELDED 单排两件式屏蔽镀金
8P8C FTP single-row two-piece gold-plated



MP8P8C SHIELDED 短体单排两件式屏蔽
8P8C FTP short-body two-piece single-row



MP8P8C 三件式 开口支架
8P8C three-piece open-side strain relief



MP8P8C SHIELDED 半屏蔽
8P8C P- FTP



MP8P8C CAT6 SHIELDED 双排屏蔽
8P8C cat6 FTP dual-row



MP8P8C 两件式屏蔽 双排
8P8C FTP two-piece dual-row



MP8P8C SHIELDED 短体双排两件式屏蔽
8P8C FTP short-body two-piece dual-row



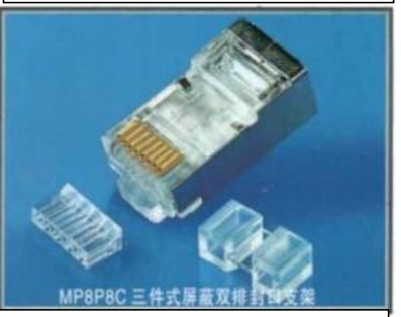
MP8P8C 三件式 塞子
8P8C three-piece stopper



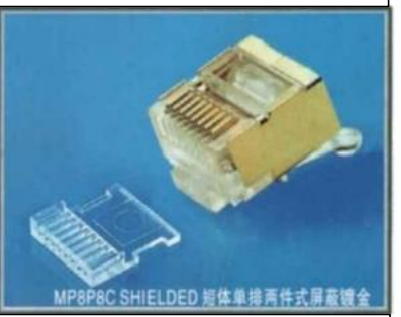
MP8P8C SHIELDED 接地线屏蔽
8P8C FTP ground wire



MP8P8C CAT6 SHORT SHIELDED 屏蔽
8P8C cat6 FTP short-body



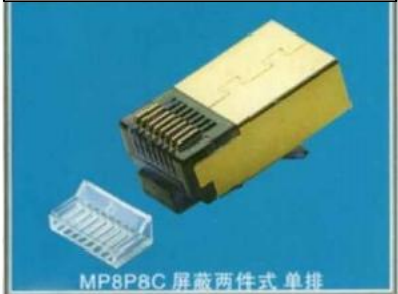
MP8P8C 三件式屏蔽双排 封口支架
8P8C three-piece FTP dual-row sealed
bracket



MP8P8C SHIELDED 短体单排两件式屏蔽镀金
8P8C FTP short-body two-piece single-row
gold-plated



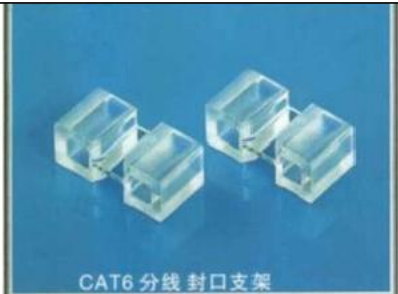
8P8C cat6a short body FTP with pigtail ground strap



8P8C FTP two-piece single-row



Cat6 dual-row bracket Φ1.0mm/1.1mm/1.2mm



Cat6 distribution closed-side strain relief



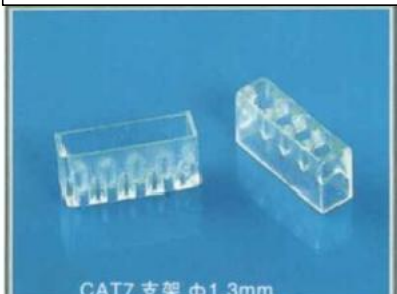
10P10C keyed



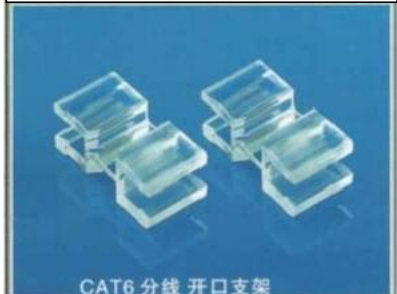
8P8C cat7 FTP with pigtail ground strap



8P8C cat6 FTP four-piece



Cat7 Bracket Φ1.3mm



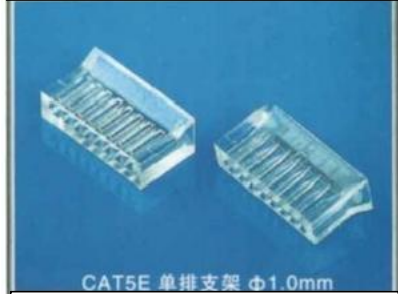
Cat6 distribution open-side strain relief



10P10CFTP



8P8C FTP cat6 two-piece with 6-up-2-down gold plated contacts



Cat5e single-row bracket Φ1.0mm



Cat5e flush-mount bracket Φ0.55mm



10P10C



10P10C FTP ground wire



RJ45 rate converter(male)



RJ45 Adapter L,32.7mm Arc radius



Φ5.5mm/6.0mm/6.5mm



Cat7 cable jacket



6P4C



RJ45 Adapter L,26mm right angle



Φ5.5mm/6.0mm/6.5mm



Φ5.5mm/6.0mm/6.5mm



6P2C



6P6C



RJ45 Adapter L,26mm Arc radius



Φ5.5mm/6.0mm/6.5mm



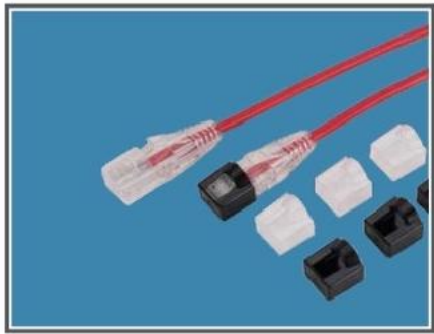
Φ5.5mm/6.0mm/6.5mm



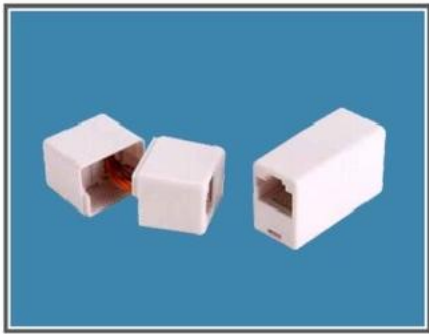
6P2C



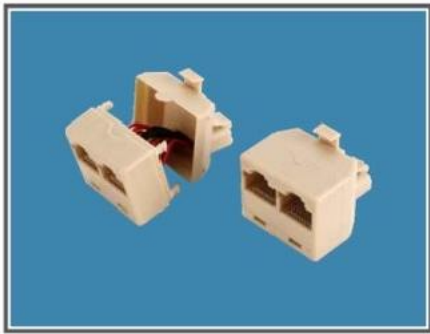
6P6C tab side



Product Name:
Modular plug omitted dust plug



Product Name:
White straight-through network cable



Product Name:
Off-white tabbed modular plug patch cord



Product Name:
Off-white straight-through network cable



Product Name:
Black tri-port FTP adapter network cable



Product Name:
Black straight-through FTP network cable



Product Name:
Off white 3-way coupler, beige



Product Name:
CAT6 FTP Toolless RJ45 plug



Product Name:
CAT6A FTP Toolless RJ45 plug



Product Name:
RJ45 White waterproof 4-piece set



Product Name: RJ45 waterproof female jack model A
Front 8, rear 8 ports



Product Name: RJ45 waterproof female Jack model B
Front 8, rear 8 ports



Product Name:
CAT7 FTP Toolless nodular plug



Product Name:
CAT8 FTP Toolless nodular plug



Product Name:
CAT6 rotatable module



Product Name:
RJ45 Solder cup jack type B



Product Name:
RJ45 FTP Solder cup jack type A



Product Name:
RJ45 FTP Solder cup jack type B



Product Name:
CAT6 UTP Toolless nodular plug



Product Name:
CAT6A module



Product Name:
CAT6A FTP module



Product Name:
Prefabricated Ultra-Fine wire assembly



Product Name:
Pre-terminated patch cable



Product Name:
Pre-terminated flat cable assembly