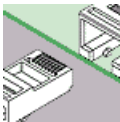


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Datasheet
Modular Plugs and Jacks [Overview](#)



[Modular Plugs and Jacks](#)
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95040-2881

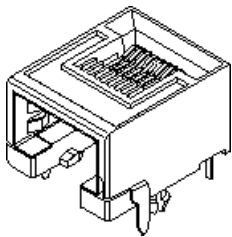
Modular Jack, Right Angle, Low Profile, Shielded, 8/8

View all parts in series
95040

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[Samples](#)

[Distributor Stock](#)



Status	Active
Component	PCB Jack
Ports	1
Positions / Loaded Contacts	8/8
Orientation	Right Angle (Side Entry)
Inverted / Top Latch	No
Product Name	RJ45
Performance Category	3
Shielded	Yes
Shielding Effectiveness	20 dB min.
Lightpipes/ LEDs	None
MOUNTING	
Profile	Low
Grounding to Panel	None
PCB Mounting	Through Hole
Surface Mount Compatible (SMC)	No
PCB Retention	Snap-in Plastic Peg
PCB Thickness	1.6mm (.062")
PHYSICAL	
Contact	Phosphor Bronze (CuSn)
Plating Contact	1.3µm (50µ") Gold (Au)

ENVIRONMENT

[RoHS Status](#)

ELV and RoHS Compliant

Features and Benefits

- Footprint meets industry standard
- Mates with industry standard FCC 68 plugs
- Very low profile is about 3/4 of industry standard
- Metal shielding for ESD protection

Plating Tail	1.9µm (75µ") Tin (Sn)
Under Plating	Nickel (Ni)
Packaging	Tray
Housing Material	Polyester, Glass-filled
Color	Black
Flammability	UL 94V-0
Comment	Internal Shield
ELECTRICAL	
Current-max [amps]	1.5A
Voltage-max [volts]	125V
Withstanding Voltage	1000V AC
Contact Resistance [ohms]	20 milliohms max.
Insulation Resistance [ohms]	500 Megohms min.
REFERENCE	
Mates With	FCC 68 Plugs
Temperature Range	-40°C to +80°C
MX01 Catalog Page	O-29
990 Catalog Page	O-19
Product Specification	PS-95040
Circuits / Positions	8
Loaded Contacts	8
Molex Series	95040

For all product dimensions, please refer to Drawing (PDF).

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FEATURES AND SPECIFICATIONS

Features and Benefits

- High reliability, square contact
- EMI/RFI protection
- ISDN standard

Reference Information

Product Specification: PS-95040

Packaging: Tray

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Shielding Effectiveness: 20 dB min.

Physical

Housing: Standard—Black polyester, UL 94V-0

High Temperature—Black polyamide, UL 94V-0

Contact: Phosphor Bronze

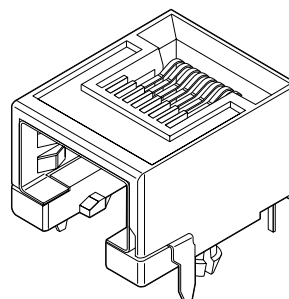
Plating: 1.27 to 1.52μm (50 to 60μ") Gold in contact area, 1.90μm (75μ") min. (90/10) Tin/Lead in tail area both over Nickel overall

Operating Temperature: -40 to +80°C

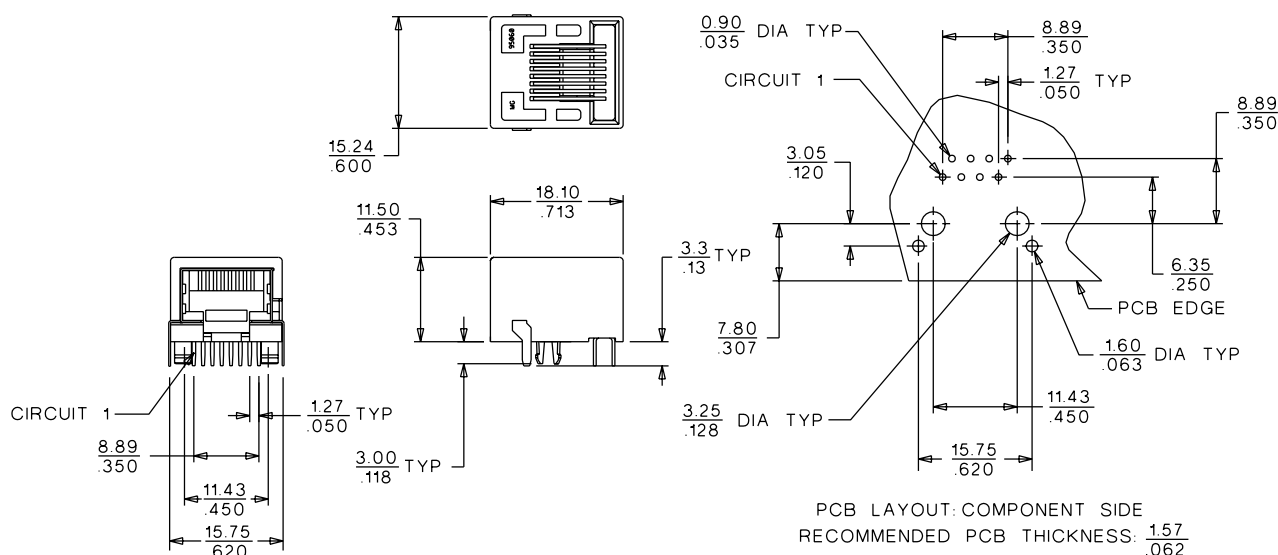


95040

**Right Angle
Low Profile, Internal Shield**



CATALOG DRAWING (FOR REFERENCE ONLY)



Modular Plugs and Jacks

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ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.	High Temperature
8	8	• 95040-2881	No
8	8	95040-2889	Yes

• US Standard Product, available through Molex franchised distributors