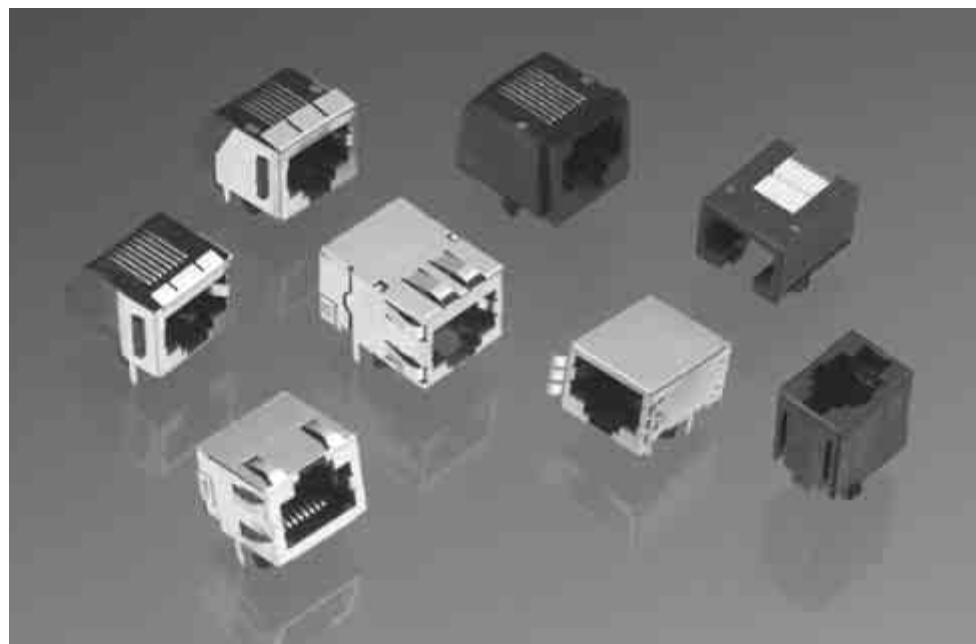# Single Port Modular Jacks

Product Facts

- **Meets or exceeds FCC Part 68 rules and regulations; REA PE-76; and UL 1863, Communication Circuit Accessories**
- **Meets 1000 volt dielectric requirement Contact to Contact**
- **Available in both top and side entry (Right-Angle)**
- **Designed for direct mounting on pc boards**
- **Designed for ease of soldering and board cleaning**
- **Available in both shielded and unshielded versions**
- **Shielded jack available with two grounding paths - pc board and panel**
- **20 dB shielding effectiveness from 30 MHz to 400 MHz**
- **Selectively gold plated contacts for lower cost**
- **All jacks are UL 94V-0 flame retardant polyester, standard color black, unless specified otherwise**
- **Listed by Underwriters Laboratories Inc., File No. E81956**
- **Certified by Canadian Standards Association, File No. LR 7189A**
- **Produced under a Quality Management System Certified to ISO 9001** A copy of the certificate is available upon request

Specifications

Electrical

Current Rating — 1.5 amp max. @ 25°C, derated to 0.2 amp max. @ 70°C ambient

Voltage Rating — 150 volts AC max.

Dielectric Withstanding Voltage — 1000 VAC, RMS, 60 Hz, 1 min. Contact to Contact

Mechanical

PC Board Retention — will not dislodge from pc board when subjected to 1 lb. [4.4N] pull before soldering and 10 lb. [44N] pull after soldering

Durability — 750 mating cycles

Material and Finish

Housing — Through-hole: Polyester (wave solder compatible), UL 94V-0 rated; Surface Mount: Polyphenylene Sulfide, or High Temp Nylon, UL 94V-0 rated

Contact — .014 [0.36] thk. Phosphor bronze; plated .000050 [0.00127] gold in contact area and .000150 [0.00381] tin-lead on solder tails, over .000050 [0.00127] nickel underplate
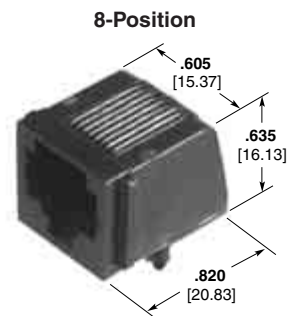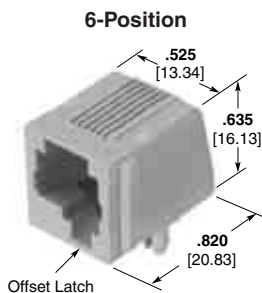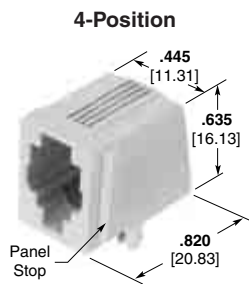
Technical Documents

Application Specifications
114-02048
114-6040

Product Specifications
108-01163
108-01163-1
108-01163-3
108-01163-4
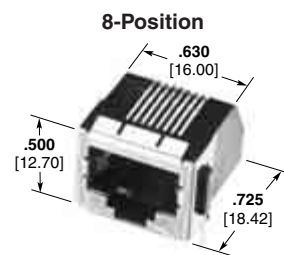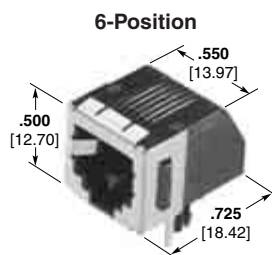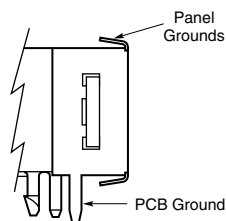108-01163-7

Single Port Modular Jacks (Continued)

Side Entry (RA), Thru-Hole

4-Position

.445
[11.31]

.635
[16.13]

.820
[20.83]

Panel Stop

6-Position

.525
[13.34]

.635
[16.13]

.820
[20.83]

Offset Latch

8-Position

.605
[15.37]

.635
[16.13]

.820
[20.83]

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
215875-1	4/4	Without	No	Cat 3	Without	No	Without
2-215875-1	4/4	Without	No	Cat 3	Without	No	Without
5520249-2	4/4	Without	No	Cat 3	With	No	Without
215876-2	6/4	Without	No	Cat 3	Without	No	Without
5555140-2	6/4	Without	Yes	Cat 3	With	No	Panel and PCB
5555163-2	6/4	Without	No	Cat 3	With	No	Without
1-215876-3	6/6	Without	No	Cat 3	Without	No	Without
215876-1	6/6	Without	No	Cat 3	N/A	No	Without
5520250-3	6/6	Without	No	Cat 3	With	No	Without
5555003-1	6/6	Without	No	Cat 3	With	No	Without
5555140-1	6/6	Without	Yes	Cat 3	With	No	Panel and PCB
5555154-1	6/6	Without	Yes	Cat 3	With	No	PCB Ground
5555163-1	6/6	Without	No	Cat 3	With	No	Without
5555165-1	6/6	Without	No	Cat 3	Without	No	Without
106066-2	8/8	Without	Yes	Cat 3	Without	No	Panel and PCB
1116062-2	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB
1116503-2	8/8	Without	Yes	Cat 5	Without	No	PCB Ground
6116526-1	8/8	Without	Yes	Cat 5	Without	No	PCB Ground
1-215877-3	8/8	Without	No	Cat 3	Without	No	Without

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences
(tail length, LED color, IRR, etc.)

Low Profile, Face Shield

Panel Grounds

PCB Ground

6-Position

.550
[13.97]

.500
[12.70]

.725
[18.42]

8-Position

.630
[16.00]

.500
[12.70]

.725
[18.42]

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
5555162-1	8/8	Without	No	Cat 3	With	No	Without
5555164-1	8/8	Without	No	Cat 3	Without	No	Without
1-5406299-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB
1-1734264-1	8/8	Without	Yes	Cat 3	Without	No	Panel and PCB
1734579-1	8/8	Without	Yes	Cat 3	Without	No	PCB Ground
215877-1	8/8	Without	No	Cat 3	Without	No	Without
2-215877-1	8/8	Without	No	Cat 3	Without	No	Without
2-215878-1	8/8	Without	No	Cat 3	Without	No	Without
2-5338556-1	8/8	Without	Yes	Cat 3	Without	No	Panel and PCB
3-5338556-1	8/8	Without	Yes	Cat 3	Without	No	Panel and PCB
5406217-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB
5406296-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences
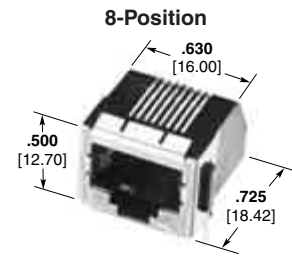(tail length, LED color, IRR, etc.)

Note: All part numbers are RoHS compliant.

Single Port Modular Jacks (Continued)

Side Entry (RA), Thru-Hole

Low Profile, Face Shield
(Continued)

Panel Grounds

PCB Ground

6-Position
.550 [13.97]
.500 [12.70]
.725 [18.42]

8-Position
.630 [16.00]
.500 [12.70]
.725 [18.42]

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
5406299-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB
1-406525-1	8/8	Without	No	Cat 5	Without	Yes	Without
1-406541-1	8/8	Without	Yes	Cat 5	Without	Yes	Panel and PCB
5520243-4	8/8	Without	No	Cat 3	Without	No	Without
5520251-4	8/8	Without	No	Cat 3	With	No	Without
5520426-4	8/8	Without	No	Cat 3	Without	No	Without
5555141-1	8/8	Without	Yes	Cat 3	Without	No	Panel and PCB
5555153-1	8/8	Without	Yes	Cat 3	With	No	PCB Ground
5555153-3	8/8	Without	Yes	Cat 3	With	No	PCB Ground

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)
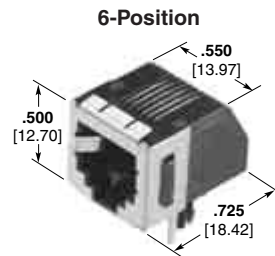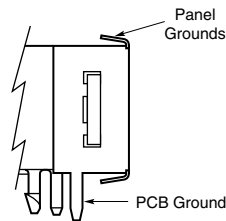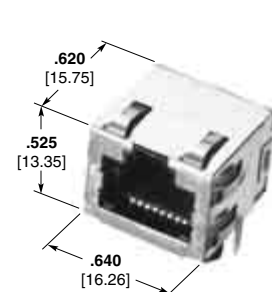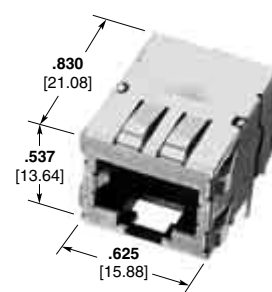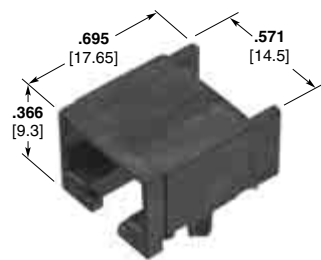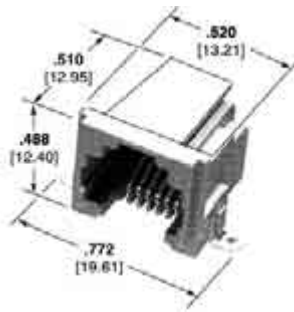
Side Entry (RA), Thru-Hole

.695 [17.65]
.571 [14.5]
.366 [9.3]

.830 [21.08]
.537 [13.64]
.625 [15.88]

.620 [15.75]
.525 [13.35]
.640 [16.26]

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
5555166-1	8/8	Without	No	Cat 3	With	No	Without
5555167-1	8/8	Without	No	Cat 3	Without	No	Without
5557785-1	8/8	Without	No	Cat 3	Without	No	Without
5557789-1	8/8	Without	Yes	Cat 3	Without	No	PCB Ground
5557791-1	8/8	Without	Yes	Cat 3	Without	No	Panel and PCB
5558341-1	8/8	Without	No	Cat 5	Without	No	Without
5558342-1	8/8	Without	Yes	Cat 5	Without	No	PCB Ground
5558344-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB
5569115-1	8/8	Without	Yes	Cat 3	With	No	Panel and PCB
5569118-1	8/8	Without	No	Cat 3	Without	No	Without
6116075-1	8/8	With	Yes	Cat 5	Without	Yes	PCB Ground
6116173-1	8/8	With	Yes	Cat 5	Without	Yes	Panel and PCB
6364139-5	8/8	With	No	Cat 5	Without	Yes	Without
1734509-2	8/8	With	Yes	Cat 3	Without	No	PCB Ground
5406533-1	8/8	With	No	Cat 5	Without	Yes	Without
2-406549-1	8/8	With	Yes	Cat 5	Without	Yes	Panel and PCB
2-406549-4	8/8	With	Yes	Cat 5	Without	Yes	Panel and PCB
5569564-1	8/8	With	Yes	Cat 3	Without	No	Panel and PCB
1734542-5	10/10	Without	No	Cat 3	Without	No	Without
5558065-1	10/10	Without	No	Cat 3	Without	No	Without
5558067-1	10/10	Without	Yes	Cat 3	Without	No	PCB Ground
5558070-1	10/10	Without	Yes	Cat 3	Without	No	Panel and PCB

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)

Note: All part numbers are RoHS compliant.

Single Port Modular Jacks

Single Port Modular Jacks (Continued)

Side Entry (RA), Surface Mount

1339212-1

1339212-1

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
6339212-1	6/6	Without	Yes	Cat 3	Without	Yes	Panel and PCB
5406514-2	6/6	Without	No	Cat 3	Without	Yes	Without
5555077-1	6/6	Without	No	Cat 3	With	No	Without
6339160-1	8/8	Without	Yes	Cat 3	Without	Yes	Panel and PCB
5406721-1	8/8	Without	No	Cat 3	With	Yes	Without
5406721-2	8/8	Without	No	Cat 3	With	Yes	Without
5558178-1	8/8	Without	Yes	Cat 3	With	No	PCB Ground

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)
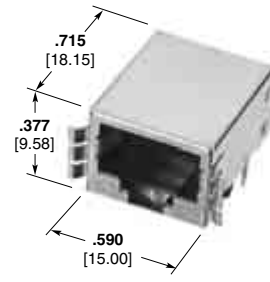
Top Entry, Thru-Hole

Shielded 557484-1

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
5520257-2	4/4	Without	No	Cat 3	With	No	Without
5406010-2	6/2	Without	No	Cat 3	Without	No	Without
5520258-2	6/4	Without	No	Cat 3	With	No	Without

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)

Note: All part numbers are RoHS compliant.

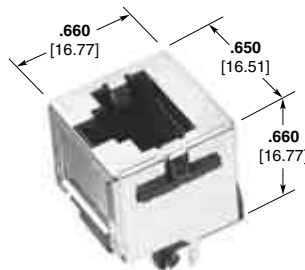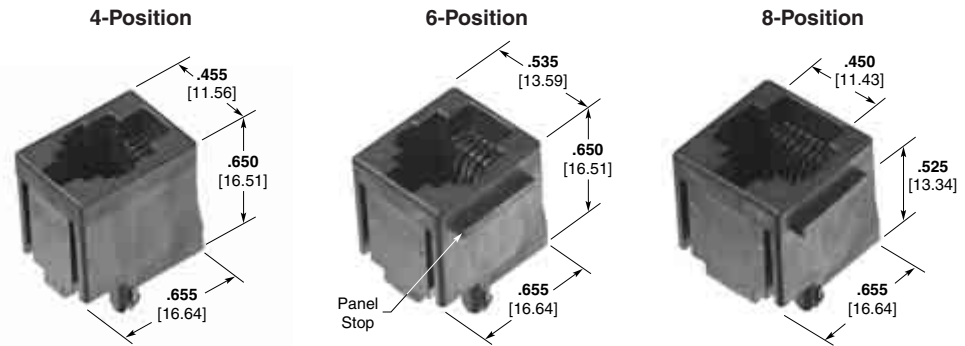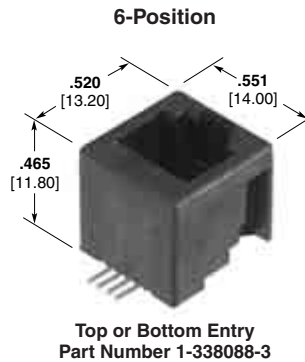## Single Port Modular Jacks (Continued)

Top Entry, Thru-Hole

4-Position	6-Position	8-Position
.455 [11.56] .650 [16.51] .655 [16.64]	.535 [13.59] .650 [16.51] Panel Stop .655 [16.64]	.450 [11.43] .525 [13.34] .655 [16.64]

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
5520425-2	6/4	Without	No	Cat 3	Without	No	Without
216548-1	6/6	Without	No	Cat 3	With	No	Without
216564-1	6/6	Without	No	Cat 3	With	No	Without
5520258-3	6/6	Without	No	Cat 3	With	No	Without
5520425-3	6/6	Without	No	Cat 3	Without	No	Without
5554990-1	6/6	Without	No	Cat 3	With	No	Without
100616-1	8/8	Without	Yes	Cat 3	With	No	PCB Ground
100616-2	8/8	Without	Yes	Cat 3	With	No	PCB Ground
6116202-1	8/8	Without	Yes	Cat 5	Without	No	PCB Ground
216550-1	8/8	Without	No	Cat 3	With	No	Without
216566-1	8/8	Without	No	Cat 3	With	No	Without
5520259-4	8/8	Without	No	Cat 3	With	No	Without
5555799-1	8/8	Without	No	Cat 3	Without	No	Without
5556416-1	8/8	Without	No	Cat 3	Without	No	Without
5557484-1	8/8	Without	Yes	Cat 3	With	No	Panel and PCB
5557730-1	8/8	Without	Yes	Cat 3	With	No	Panel and PCB
5557969-1	8/8	Without	Yes	Cat 3	With	No	Panel and PCB
5557969-2	8/8	Without	Yes	Cat 3	With	No	Panel and PCB

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)
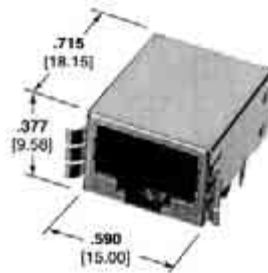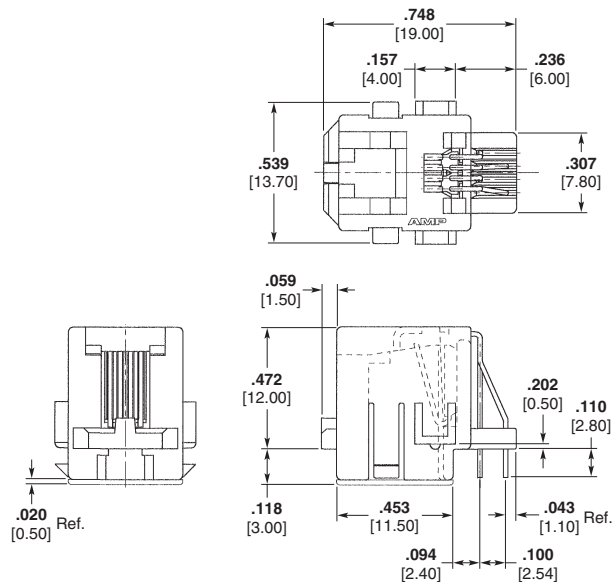
Top Entry, Surface Mount

6-Position

.520 [13.20] .551 [14.00] .465 [11.80]

**Top or Bottom Entry
Part Number 1-338088-3**

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
1-338084-3	4/4	Without	No	Cat 3	Without	No	Without
1-338086-3	6/6	Without	No	Cat 3	Without	No	Without
2-338086-3	6/6	Without	No	Cat 3	Without	No	Without
1-338088-3	8/8	Without	No	Cat 3	Without	No	Without
2-338088-3	8/8	Without	No	Cat 3	Without	No	Without

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)

Note: All part numbers are RoHS compliant.

Single Port
Modular Jacks

Single Port Modular Jacks (Continued)

Top Entry, Press Fit

Part Number 1116201-1

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
6116201-1	8/8	Without	No	Cat 5	Without	No	Without
6116201-2	8/8	Without	No	Cat 5	Without	No	Without
6116202-1	8/8	Without	Yes	Cat 5	Without	No	PCB
6116418-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)

Bottom Entry, Thru-Hole

Part Number 216444

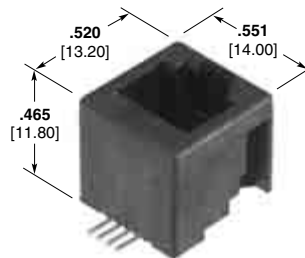| Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
216444-1	4/4	Without	No	Cat 3	Without	No	Without
216446-1	6/6	Without	No	Cat 3	Without	No	Without

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)

Note: All part numbers are RoHS compliant.

Single Port Modular Jacks (Continued)
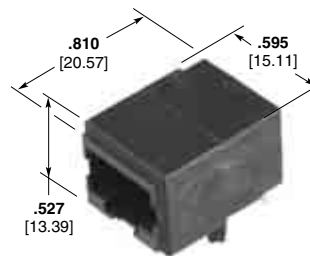
Bottom Entry, Surface Mount

6-Position

.520 [13.20]
.551 [14.00]
.465 [11.80]

**Top or Bottom Entry
Part Number 1-338088-3**

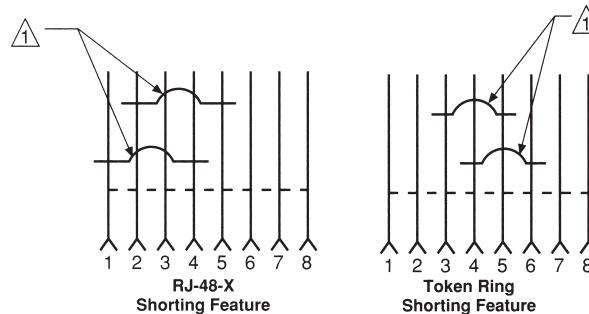| Part Number	Positions/Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
100860-1	6/6	Without	No	Cat 3	Without	No	Without
1-338088-5	8/8	Without	No	Cat 3	Without	No	Without
2-100860-1	6/6	Without	No	Cat 3	Without	No	Without

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)
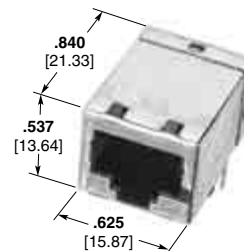
Shorting

Unshielded

.810 [20.57]
.595 [15.11]
.527 [13.39]

Positions/Contacts	Shorting Configuration		Tray Packaging Part No.
8/8	1-4 & 2-5	RJ 48X	5557788-1
8/8	3-5 & 4-6	IBM Token Ring Emulation	5569972-1

RJ-48-X Shorting Feature

Token Ring Shorting Feature

⚠1 Short is removed by insertion of modular plug.

Shielded

.840 [21.33]
.537 [13.64]
.625 [15.87]

Positions/Contacts	Shorting Configuration		Panel Grounds	Tray Packaging Part Numbers
8/8	1-4 & 2-5	RJ 48X	—	5557789-1
8/8	1-4 & 2-5	RJ 48X	Y	5557791-1
8/8	3-5 & 4-6	IBM Token Ring Emulation	—	5569972-1

NOTE: SHIELDED PRODUCT WITH PANEL GROUNDS ALWAYS CONTAINS PCB GROUNDS

IBM is a trademark of International Business Machine Corporation.

Note: All part numbers are RoHS compliant.

Single Port Modular Jacks

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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   [1-5406299-1](#)