## 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
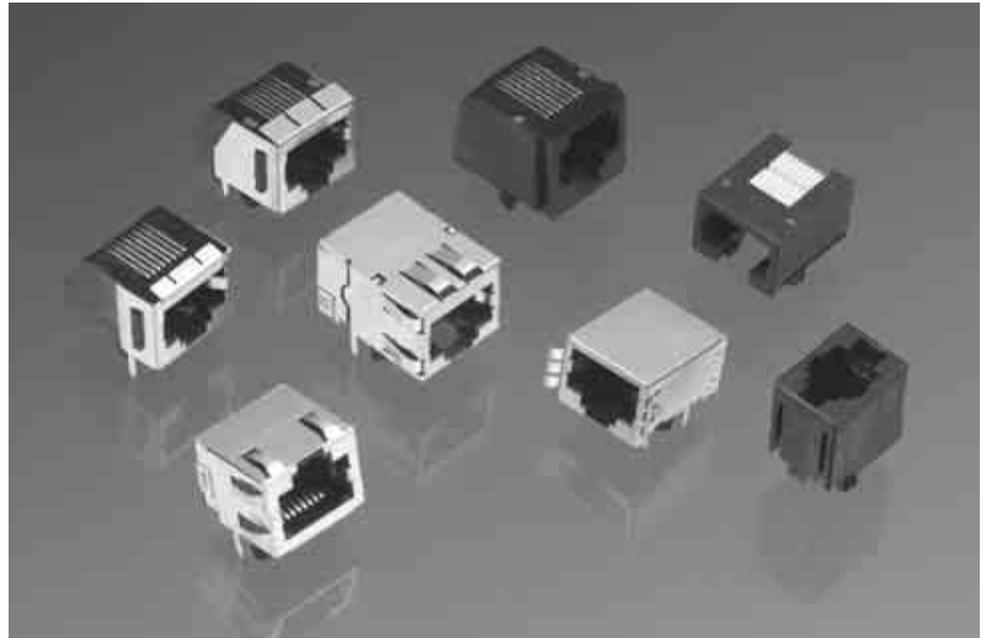
### Specifications

#### 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)
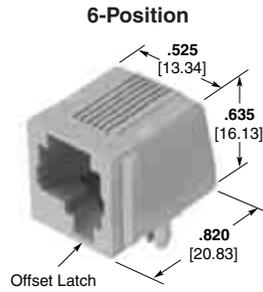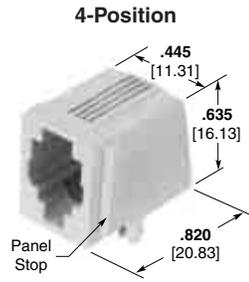
**Side Entry (RA), Thru-Hole**

**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**
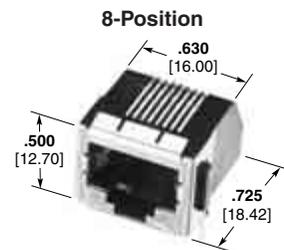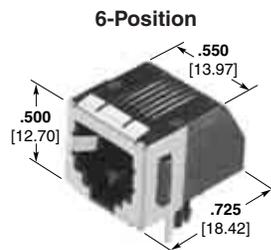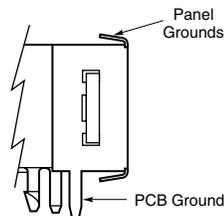
Panel Grounds
PCB Ground

**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)
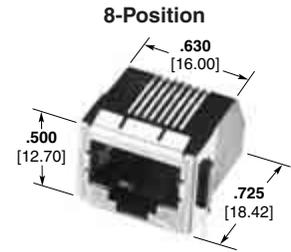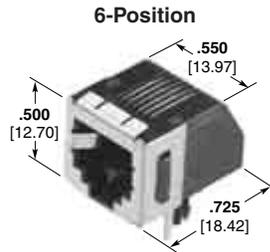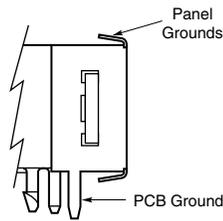


| Part Number | Positions/Contacts | LEDs | Shielded | Performance | Panel Stops | Inverted | Ground Options |
|---|---|---|---|---|---|---|---|
| 5406299-1 | 8/8 | Without | Yes | Cat 5 | Without | No | Panel and PCB |
| 1-406525-1 | 8/8 | Without | No | Cat 5 | Without | Yes | Without |
| 1-406541-1 | 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**
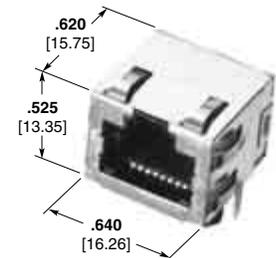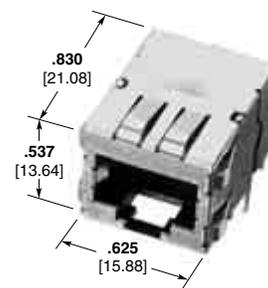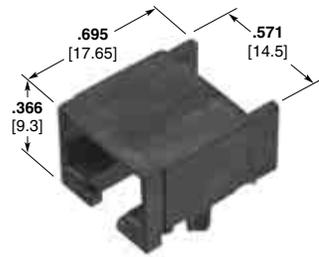


| Part Number | Positions/Contacts | LEDs | Shielded | Performance | Panel Stops | Inverted | Ground Options |
|---|---|---|---|---|---|---|---|
| 5555166-1 | 8/8 | Without | No | Cat 3 | With | No | Without |
| 5555167-1 | 8/8 | Without | No | Cat 3 | Without | No | Without |
| 5557785-1 | 8/8 | Without | 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

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Catalog 82066
Revised 11-07

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-1106-0803

South America: 55-11-2103-6000
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-8706-080-208

## Single Port Modular Jacks (Continued)

**Side Entry (RA), Surface Mount**
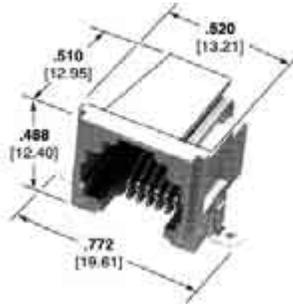


**1339212-1**
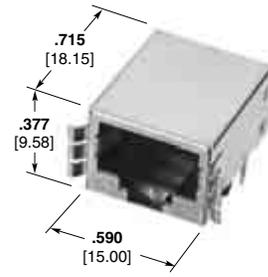
**1339212-1**

| 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**
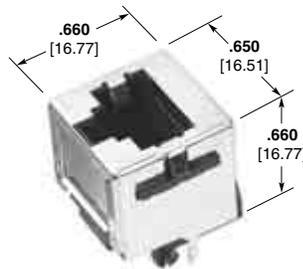


**Shielded 557484-1**

| 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**
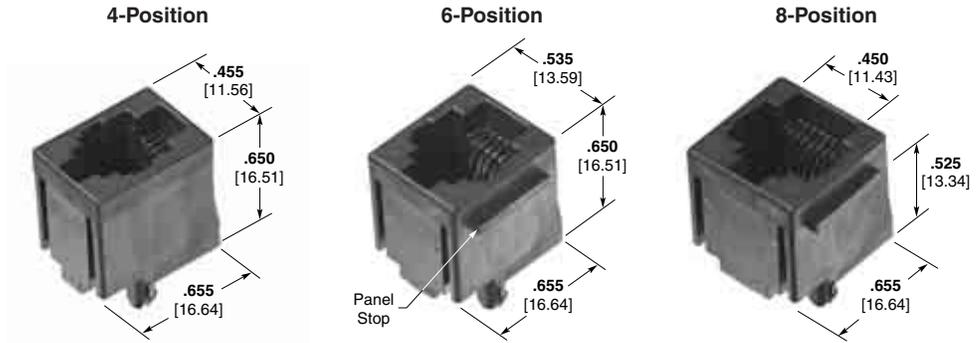
**4-Position**

.455 [11.56]

.650 [16.51]

.655 [16.64]

**6-Position**

.535 [13.59]

.650 [16.51]

Panel Stop

.655 [16.64]

**8-Position**

.450 [11.43]

.525 [13.34]

.655 [16.64]

**Single Port Modular Jacks**

| 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**
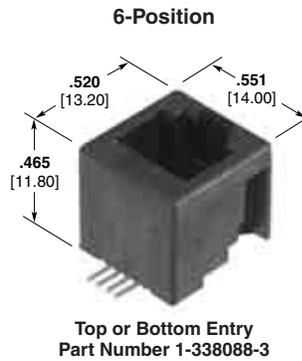
**6-Position**

.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

Catalog 82066
Revised 11-07

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## Single Port Modular Jacks (Continued)

**Top Entry, Press Fit**
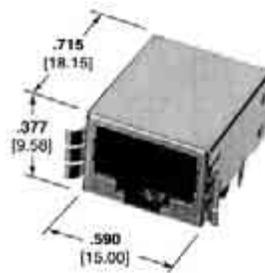


**Part Number 1116201-1**

| 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**
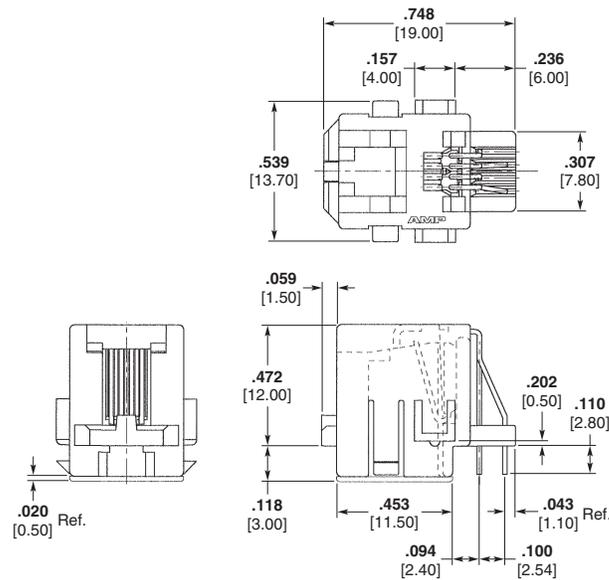


**Part Number 216444**

| 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**
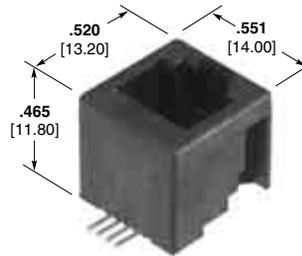
**6-Position**

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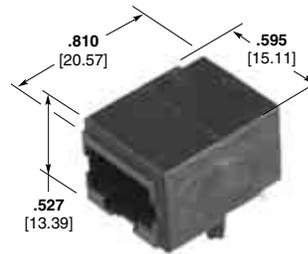
| Positions/ Contacts | Shorting Configuration | | Tray Packaging Part No. |
|---|---|---|---|
| 8/8 | 1-4 & 2-5 | RJ 48X | 5557788-1 |
| 8/8 | 3-5 & 4-6 | IBM Token Ring Emulation | 5569972-1 |

1

1

1 2 3 4 5 6 7 8
**RJ-48-X
Shorting Feature**

1 2 3 4 5 6 7 8
**Token Ring
Shorting Feature**
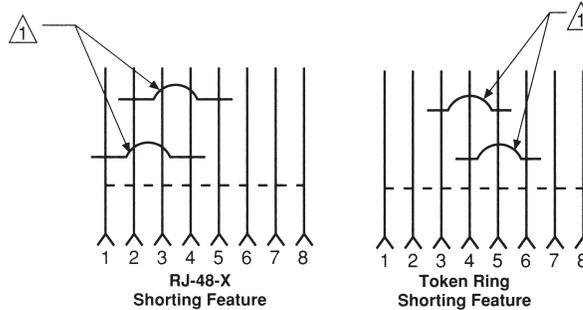
⚠ 1 Short is removed by insertion of modular plug.

**Shielded**

.840 [21.33]

.537 [13.64]

.625 [15.87]

IBM is a trademark of International Business Machine Corporation.

**Note:** All part numbers are RoHS compliant.
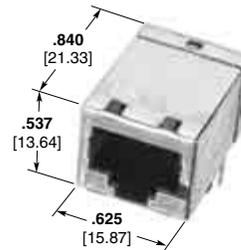
| Positions/ Contacts | Shorting Configuration | | Panel Grounds | Tray Packaging Part Numbers |
|---|---|---|---|---|
| 8/8 | 1-4 & 2-5 | RJ 48X | — | 5557789-1 |
| 8/8 | 1-4 & 2-5 | RJ 48X | Y | 5557791-1 |
| 8/8 | 3-5 & 4-6 | IBM Token Ring Emulation | — | 5569972-1 |

**NOTE:** SHIELDED PRODUCT WITH PANEL GROUNDS ALWAYS CONTAINS PCB GROUNDS

**Single Port Modular Jacks**

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Catalog 82066
Revised 11-07

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UK: 44-8706-080-208