# **Single Port Modular Jacks**

#### **Product Facts**

若 Тусо

 Meets or exceeds FCC Part 68 rules and regulations; REA PE-76; and UL 1863, Communication Circuit Accessories

Electronics

- 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



 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

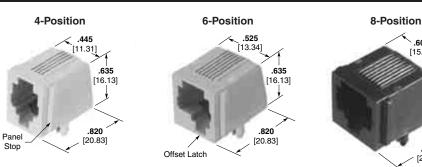
108-01163 108-01163-1 108-01163-3 108-01163-4 108-01163-7 Single Port Modular Jacks

Catalog 82066

Revised 11-07

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

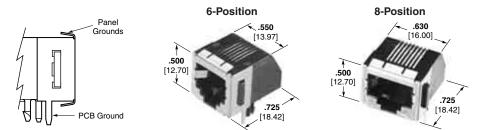
### Side Entry (RA), Thru-Hole



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



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.

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Revised 11-07

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Dimensions are in inches and

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[15.37]

.820

[20.83]

.635 [16.13]

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

Electronics

Low Profile, Face Shield (Continued)

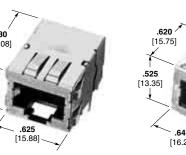
	Panel Grounds		6-P	osition ,550 [13.97] ,725 [18.42]		8-Pe	<b>551tion</b> (16.00) <b>725</b> (18.42)
Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
5406299-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB
	0.10			0.15			

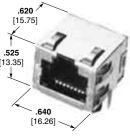
1-406525-1 8/8 Without Cat 5 Without Without No Yes 1-406541-1 Without Cat 5 Without Panel and PCB 8/8 Yes Yes 5520243-4 8/8 Without No Cat 3 Without No Without 5520251-4 Without Cat 3 With Without 8/8 No No 5520426-4 8/8 Without No Cat 3 Without No Without Without 5555141-1 8/8 Yes Cat 3 Without No Panel and PCB 5555153-1 8/8 Without With PCB Ground Cat 3 No Yes 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

#### .571 .695 [17.65] [14.5] **.830** [21.08] 366 [9.3] .537 [13.64] .625





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.

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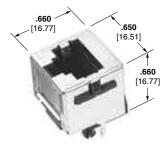
Side Entry (RA), Surface Mount

510 (12.95) (12.40) (19.61]	.377 [9.58] [15.00]
1339212-1	1339212-1

Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
6/6	Without	Yes	Cat 3	Without	Yes	Panel and PCB
6/6	Without	No	Cat 3	Without	Yes	Without
6/6	Without	No	Cat 3	With	No	Without
8/8	Without	Yes	Cat 3	Without	Yes	Panel and PCB
8/8	Without	No	Cat 3	With	Yes	Without
8/8	Without	No	Cat 3	With	Yes	Without
8/8	Without	Yes	Cat 3	With	No	PCB Ground
	6/6 6/6 6/6 8/8 8/8 8/8 8/8	6/6Without6/6Without6/6Without8/8Without8/8Without8/8Without8/8Without	6/6 Without Yes   6/6 Without No   6/6 Without No   8/8 Without Yes   8/8 Without No   8/8 Without No   8/8 Without No	6/6WithoutYesCat 36/6WithoutNoCat 36/6WithoutNoCat 38/8WithoutYesCat 38/8WithoutNoCat 38/8WithoutNoCat 38/8WithoutNoCat 3	ContactsStops6/6WithoutYesCat 3Without6/6WithoutNoCat 3Without6/6WithoutNoCat 3Without8/8WithoutYesCat 3Without8/8WithoutNoCat 3Without8/8WithoutNoCat 3Without8/8WithoutNoCat 3Without	ContactsStopsStops6/6WithoutYesCat 3WithoutYes6/6WithoutNoCat 3WithoutYes6/6WithoutNoCat 3WithNo8/8WithoutYesCat 3WithoutYes8/8WithoutNoCat 3WithYes8/8WithoutNoCat 3WithYes8/8WithoutNoCat 3WithYes

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.)

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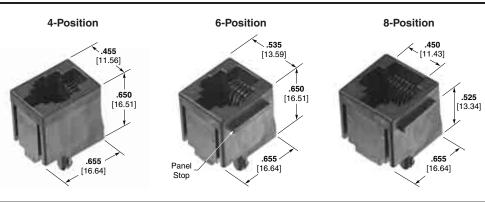
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Note: All part numbers are RoHS compliant.

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### Top Entry, Thru-Hole

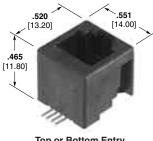


Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
5520425-2	6/4	Without	No	Cat 3	Without	No	Without
216548-1	6/6	Without	No	Cat 3	With	No	Without
216564-1	6/6	Without	No	Cat 3	With	No	Without
5520258-3	6/6	Without	No	Cat 3	With	No	Without
5520425-3	6/6	Without	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



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.

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**Top Entry, Press Fit** 

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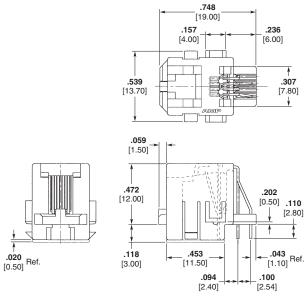


Part Number 1116201-1

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.

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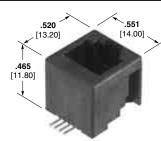
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Bottom Entry, Surface Mount

6-Position

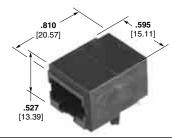


Top or Bottom Entry Part Number 1-338088-3

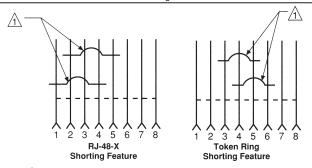
Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
100860-1	6/6	Without	No	Cat 3	Without	No	Without
1-338088-5	8/8	Without	No	Cat 3	Without	No	Without
2-100860-1	6/6	Without	No	Cat 3	Without	No	Without

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

# Shorting Unshielded



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	



Short is removed by insertion of modular plug.



	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
0	8/8	3-5 & 4-6	IBM Token Ring Emulation	_	5569972-1

IBM is a trademark of International Business Machine Corporation.

Note: All part numbers are RoHS compliant.

NOTE: SHIELDED PRODUCT WITH PANEL GROUNDS ALWAYS CONTAINS PCB GROUNDS

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Shielded

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