

**MT-RJ SECURE Product Expansion —
Now 10 Variants of the MT-RJ SECURE Products**

In response to several customers, the MT-RJ SECURE product line has been expanded with an additional six color/key versions. In addition to the original four colors (blue, green, red and yellow), the six new colors (brown, rose, aqua, violet, slate and orange) now make for ten variations. In keeping with the MT-RJ SECURE products features, only plugs and jacks of the same color will mate, and none of the MT-RJ SECURE products will mate with the standard versions. A complete line of jacks, cable assemblies and colored cables are available. For more information see pages 64, 65, 101 and 102.

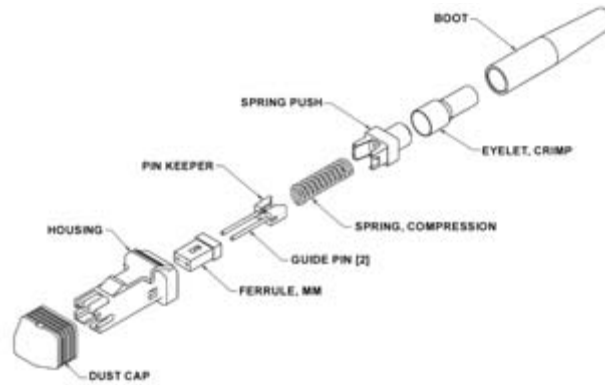


MT-RJ Connectors

MT-RJ Plugs

Product Facts

- Designed to meet TIA/EIA 568-B.3
- Each MT-RJ Connector houses two fibers
- Half the size of duplex SC and ST Connectors
- Options available include:
 - Multimode or singlemode
 - Mini DUALAN or Mini Zipcord cable
 - With or without guide pins



Performance Characteristics

Insertion Loss — Typical (dB) 0.2dB

Operating Temperature —
-10°C to 60°C

Durability — 500 Cycles

Instruction Sheet

408-4540

| Fiber Type | Cable Type | Pins | Figure | Part Number |
|------------|--------------------|--------------------|--------|-------------|
| Singlemode | 3.0mm DUALAN | Without Guide Pins | A | 6278399-1 |
| | 3.0mm DUALAN | With Guide Pins | B | 6278399-2 |
| | 1.8mm Mini Zipcord | Without Guide Pins | A | 6278751-1 |
| | 1.8mm Mini Zipcord | With Guide Pins | B | 6278751-2 |
| Multimode | 3.0mm DUALAN | Without Guide Pins | A | 6278398-1 |
| | 3.0mm DUALAN | With Guide Pins | B | 6278398-2 |
| | 1.8mm Mini Zipcord | Without Guide Pins | A | 6278750-1 |
| | 1.8mm Mini Zipcord | With Guide Pins | B | 6278750-2 |

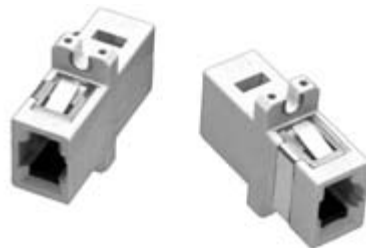
MT-RJ to MT-RJ Adapter

Simplex Part Number:
1278017-1 (light almond)

Duplex Part Number:
6374906-X

- 6374906-1 (Almond)
- 6374906-3 (Black)
- 6374906-5 (Blue)

MT-RJ to MT-RJ Simplex Adapter



MT-RJ to MT-RJ Duplex Adapter



Note: Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

SL Series Outlets

Product Facts

- Front-loading modules snap in and out for easy access
- Modular approach for flexibility
- “Invisible” icon holes stay hidden until used
- Individual jacks and inserts increase configuration and color-coding options
- MT-RJ SL Series housing accepts one MT-RJ Jack sold separately (See pages 99-103)

MT-RJ SL Series Housing

| Color | Part Number |
|------------------|-------------|
| Almond | 1374416-1 |
| Black | 1374416-2 |
| White | 1374416-3 |
| Gray | 1374416-4 |
| Orange | 1374416-5 |
| Blue | 1374416-6 |
| Red | 1374416-7 |
| Yellow | 1374416-8 |
| Green | 1374416-9 |
| Violet | 1-1374416-0 |
| Electrical Ivory | 1-1374416-1 |
| Rose | 2-1374416-3 |
| Aqua | 2-1374416-4 |
| Brown | 2-1374416-5 |
| Slate | 2-1374416-6 |



MT-RJ Optical Patch Panel

Tyco Electronics’ MT-RJ optical patch panels feature 24-port (48 fiber) capacity in a 1U high rack mounted enclosure and offer twice the fiber density of conventional patch panels. Features include pre-installed cable management, rugged cable entry

strain relief, and a sliding, tilt-out drawer for easy termination of tight buffer or loose tube cable. Adjustable mounting brackets allow the user to mount the enclosure in forward, flush or recessed positions. The patch panel is supplied ready for MT-RJ jack installation.



| Description | Part Number |
|---|-------------|
| 1U Patch Panel with four, six-position MT-RJ interface housing Cable Management Rings (2 pieces), Cable Glands PG16, PG13.5, Dust Caps (24 pieces). (Jack modules not included) | 1206704-4 |

MT-RJ Snap-In Adapter Plate

The MT-RJ snap-in adapter plate manages six MT-RJ Patch panel jacks (ordered separately, see page 64). The adapter plate is designed to fit into existing rack and wall mount enclosures with the benefit of industry standard labels and icons for port identification.

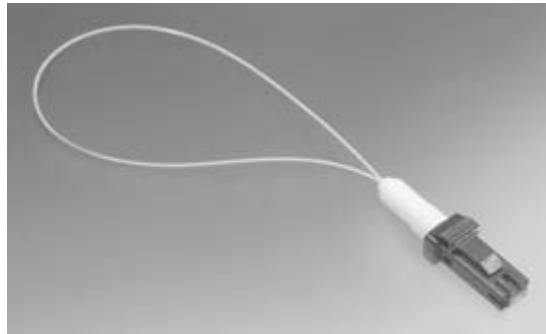


| Description | Part Number |
|--|-------------|
| MT-RJ Snap-In Adapter Plates (Jack modules not included) | 1278328-3 |

Note: Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

MT-RJ Loopbacks

MT-RJ Connectors (Continued)



| Description | Part Number |
|---|-------------|
| MT-RJ to Singlemode Loopback | 6278358-1 |
| MT-RJ to Multimode Loopback, 50/125µm | 6278357-1 |
| MT-RJ to Multimode Loopback, 62.5/125µm | 6278153-1 |

MT-RJ Cable Assemblies

See Cable Assemblies & Backplane Interconnects Section.

MT-RJ Bend Limiting Boots Part Number 1374208-X



Product Facts

- Compatible with all MT-RJ Jacks (see pages 99-103)

| Color | Part Number |
|-------|-------------|
| Black | 6374208-4 |
| Beige | 6374208-5 |
| Blue | 6374208-6 |

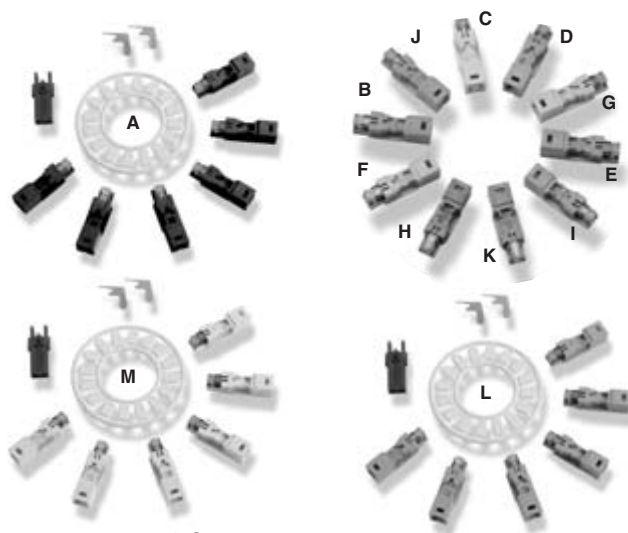
Note: Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

Electronics

MT-RJ Patch Panel Jacks, No Epoxy, No Polish

Product Facts

- Patch panel jacks terminate either two 900 μm tight-buffered fibers or two 250 μm coated fibers (select appropriate part number):
 - No epoxy, no polishing, no crimping
 - Two (2) fibers in one ferrule
 - Re-terminatable – improves yield
 - Tunable
 - No bench tool required
- Each part number includes:
 - Six (6) patch panel jacks
 - Two (2) actuation tools
 - Fiber guide
 - Icon wheel
- Jack design eliminates need for MT-RJ Coupler
- Match fiber type of cable to fiber type of MT-RJ Jack
- Small form factor design is half the size of SC duplex
- Six (6) patch panel jacks fit in the MT-RJ Snap-in Adapter Plate (see page 63)
- SL Series Housings and bend-limiting boots sold separately (see pages 61, 63 and 68)
- MT-RJ Cable Assemblies on pages 101-103
- MT-RJ SECURE Jacks feature color-coded, keyed designs to limit improper connections in segregated or SECURE networks
- MT-RJ SECURE Plug only mates with same color MT-RJ SECURE Jack
- MT-RJ SECURE Cable Assemblies on pages 101 and 102
- Singlemode MT-RJ pigtail jacks on page 104



Easy 3-Step Termination



Strip

Cleave

Lock

| Fiber Type | Jack Color | Figure | Part Number | | | | |
|--|------------|----------------------------------|--------------------------------|--|-------------|-----------|-----------|
| | | | 250 μm Coated Fiber | 900 μm Tight-buffered Fiber | | | |
| 50/125 μm Multimode | Standard | Black | A | 6278303-1 | 6588880-1 | | |
| | | RED | B | 6278807-1 | 6588879-1 | | |
| | | YELLOW | C | 6278807-2 | 6588879-2 | | |
| | SECURE | GREEN | D | 6278807-3 | 6588879-3 | | |
| | | BLUE | E | 6278807-4 | 6588879-4 | | |
| | | ROSE | F | 6278807-5 | 6588879-5 | | |
| | | AQUA | G | 6278807-6 | 6588879-6 | | |
| | | BROWN | H | 6278807-7 | 6588879-7 | | |
| | | VIOLET | I | 6278807-8 | 6588879-8 | | |
| | | ORANGE | J | 6278807-9 | 6588879-9 | | |
| | | SLATE | K | 1-6278807-0 | 1-6588879-0 | | |
| | | Gray | L | 6278303-4 | 6588880-3 | | |
| | | RED | B | 6693951-1 | 6693949-1 | | |
| YELLOW | C | 6693951-2 | 6693949-2 | | | | |
| XG (850 nm LO 50/125 μm) Multimode | Standard | GREEN | D | 6693951-3 | 6693949-3 | | |
| | | BLUE | E | 6693951-4 | 6693949-4 | | |
| | | ROSE | F | 6693951-5 | 6693949-5 | | |
| | SECURE | AQUA | G | 6693951-6 | 6693949-6 | | |
| | | BROWN | H | 6693951-7 | 6693949-7 | | |
| | | VIOLET | I | 6693951-8 | 6693949-8 | | |
| | | ORANGE | J | 6693951-9 | 6693949-9 | | |
| | | SLATE | K | 1-6693951-0 | 1-6693949-0 | | |
| | | 62.5/125 μm Multimode | Standard | Beige | M | 6278303-2 | 6588880-2 |
| | | | | RED | B | 6278808-1 | 6588878-1 |
| | | | | YELLOW | C | 6278808-2 | 6588878-2 |
| | | | SECURE | GREEN | D | 6278808-3 | 6588878-3 |
| | | | | BLUE | E | 6278808-4 | 6588878-4 |
| ROSE | F | | | 6278808-5 | 6588878-5 | | |
| AQUA | G | | | 6278808-6 | 6588878-6 | | |
| BROWN | H | | | 6278808-7 | 6588878-7 | | |
| VIOLET | I | | | 6278808-8 | 6588878-8 | | |
| ORANGE | J | | | 6278808-9 | 6588878-9 | | |
| SLATE | K | | | 1-6278808-0 | 1-6588878-0 | | |

Note: Highlighted part numbers are routinely stocked for shortest lead times.

Note: Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.



MT-RJ Outlet Jacks, No Epoxy, No Polish

Product Facts

- Outlet jacks terminate two 900 µm tight-buffered fibers
 - No epoxy, no polishing, no crimping
 - Two fibers in one ferrule
 - Re-terminatable - improves yield
 - Tunable
 - No bench tool required
- Each part number includes:
 - One (1) outlet jack
 - Actuation tool
 - Bend-limiting boot
 - SL Series Housing
- Match fiber type of cable to fiber type of MT-RJ Jack
- Jack design eliminates need for MT-RJ Coupler
- Small form factor design is half the size of SC duplex
- SL Series Housing allows use in any faceplate or outlet that accepts SL Series Jacks
- MT-RJ Cable Assemblies on pages 101-103
- MT-RJ SECURE Jacks feature ten color-coded, keyed designs to limit improper connections in segregated or SECURE networks
 - MT-RJ SECURE plug only mates with same color MT-RJ SECURE Jack
- MT-RJ SECURE Cable Assemblies on pages 101 and 102

Easy 3-Step Termination



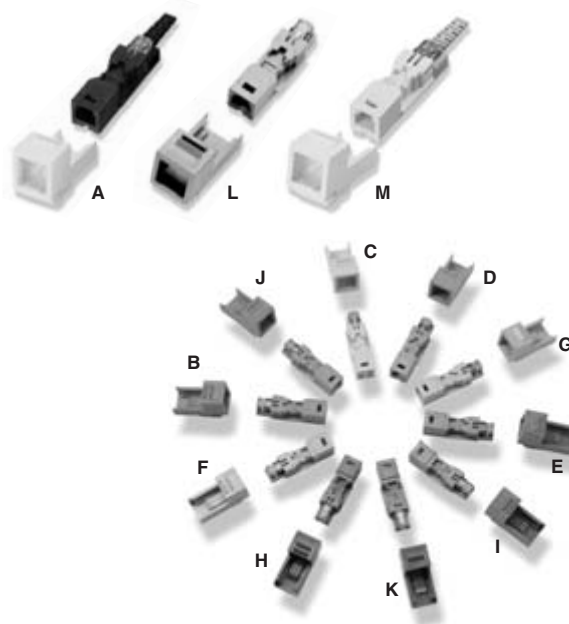
Strip



Cleave



Lock



| Fiber Type | Jack Color | Housing Color | Figure | Part Number | |
|---|------------|---------------|--------|-------------|-------------|
| 50/125 µm Multimode Used with 900 µm Tight-buffered Fibers | Standard | Black | — | A | 6278414-X |
| | SECURE | RED | RED | B | 6278811-1 |
| | | YELLOW | YELLOW | C | 6278811-2 |
| | | GREEN | GREEN | D | 6278811-3 |
| | | BLUE | BLUE | E | 6278811-4 |
| | | ROSE | ROSE | F | 6278811-5 |
| | | AQUA | AQUA | G | 6278811-6 |
| | | BROWN | BROWN | H | 6278811-7 |
| | | VIOLET | VIOLET | I | 6278811-8 |
| | | ORANGE | ORANGE | J | 6278811-9 |
| SLATE | | SLATE | K | 1-6278811-0 | |
| XG (850nm LO 50/125 µm) Multimode Used with 900 µm Tight-buffered Fibers | Standard | Gray | — | L | 1-6278414-2 |
| | SECURE | RED | RED | B | 6754252-1 |
| | | YELLOW | YELLOW | C | 6754252-2 |
| | | GREEN | GREEN | D | 6754252-3 |
| | | BLUE | BLUE | E | 6754252-4 |
| | | ROSE | ROSE | F | 6754252-5 |
| | | AQUA | AQUA | G | 6754252-6 |
| | | BROWN | BROWN | H | 6754252-7 |
| | | VIOLET | VIOLET | I | 6754252-8 |
| | | ORANGE | ORANGE | J | 6754252-9 |
| SLATE | | SLATE | K | 1-6754252-0 | |
| 62.5/125 µm Multimode Used with 900 µm Tight-buffered Fibers | Standard | Beige | — | M | 6278415-X |
| | SECURE | RED | RED | B | 6278810-1 |
| | | YELLOW | YELLOW | C | 6278810-2 |
| | | GREEN | GREEN | D | 6278810-3 |
| | | BLUE | BLUE | E | 6278810-4 |
| | | ROSE | ROSE | F | 6278810-5 |
| | | AQUA | AQUA | G | 6278810-6 |
| | | BROWN | BROWN | H | 6278810-7 |
| | | VIOLET | VIOLET | I | 6278810-8 |
| | | ORANGE | ORANGE | J | 6278810-9 |
| SLATE | | SLATE | K | 1-6278810-0 | |

X denotes housing color: -1 = Almond, -2 = Black, -3 = White, -4 = Gray, -5 = Orange, -6 = Blue, -7 = Red, -8 = Yellow, -9 = Green, 1- - 0 = Violet, 1- -1 = Electrical Ivory

Note: Highlighted part numbers are routinely stocked for shortest lead times.

Note: Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.