

## Category 3 Modular-Telco Patch Panels

Category 3 Modular-Telco Patch Panels are available in 24- and 48-port sizes and support 2-wire "RJ-11", 4-wire "RJ-11", 2 wire "RJ-45" and 4 wire "RJ-45" USOC wiring schemes. Each 50-position Telco connector is provided with both Velcro strain relief brackets and hex sockets to secure 25-pair cables with either 90-degree or 180-degree cable exit. Panels' front features a write-on surface to provide port identification. Panels include an integrated cable management/strain relief system for improved cable routing and strain relief.



### KEY FEATURES

- Cross-connections complying with the structured cabling principles
- Saves labor cost otherwise needed for multiple terminations
- Contact design provides enhanced plug-to-jack connection integrity and protects against damage caused by insertion of 4- or 6-position plugs
- Rated for at least 750 plug insertions providing for the highest level of system reliability
- Category 3 transmission performance
- Standard 25-pair male/female Telco-style connectors (50-position miniature ribbon connectors)
- Standard pin configuration (USOC)
- Available in 2- and 4-wire USOC wiring schemes
- Easy access to Telco connectors

### ORDERING INFORMATION

#### Category 3 "RJ-11" and "RJ-45" Modular-Telco Patch Panels

Part Number	Description
24112-C3MU	24-Port Category 3 RJ-11 2W Modular-Telco Patch Panel, Active Pins 3-4, USOC, Male, 1.75" High
48112-C3MU	48-Port Category 3 RJ-11 2W Modular-Telco Patch Panel, Active Pins 3-4, USOC, Male, 3.50" High
24114-C3MU	24-Port Category 3 RJ-11 4W Modular-Telco Patch Panel, Active Pins 2-5, USOC, Male, 1.75" High
48114-C3MU	48-Port Category 3 RJ-11 4W Modular-Telco Patch Panel, Active Pins 2-5, USOC, Male, 3.50" High
24452-C3MU	24-Port Category 3 RJ-45 2W Modular-Telco Patch Panel, Active Pins 4-5, USOC, Male, 1.75" High
48452-C3MU	48-Port Category 3 RJ-45 2W Modular-Telco Patch Panel, Active Pins 4-5, USOC, Male, 3.50" High
24454-C3MU	24-Port Category 3 RJ-45 4W Modular-Telco Patch Panel, Active Pins 3-6, USOC, Male, 1.75" High
48454-C3MU	48-Port Category 3 RJ-45 4W Modular-Telco Patch Panel, Active Pins 3-6, USOC, Male, 3.50" High

For female 25-pair Telco connectors substitute F for M in P/N

### RELATED PRODUCTS

Product/Product Group	Spec Sheet #
Category 3 25-Pair Cable Assemblies _____	N/A
Category 5e 110 Patch Cords _____	N/A
Category 5e Channel-Level Patch Cords _____	PSS.C5E-PC (A-MAR-08)
Category 5e Patch Cords _____	N/A
Pre-Connectorized 66 Blocks _____	N/A
Pre-Connectorized 110 Wall-Mount Wiring Blocks _____	N/A

SPECIFICATIONS

## Category 3 Modular-Telco Patch Panels

### SPECIFICATIONS

#### TRANSMISSION PERFORMANCE

ANSI/TIA/EIA-568-B.2: category 3 (1-16 MHz) specifications  
IEC 60603-7: category 3 (1-16 MHz) specifications

#### TRANSMISSION MEDIA

Modular jacks:

xx112-C3xU: 1-pair (6P4C, 6P6C modular plugs) twisted-pair cable assemblies  
2-pair (6P4C, 6P6C modular plugs) twisted-pair cable assemblies  
3-pair (6P6C modular plugs) twisted-pair cable assemblies

xx114-C3xU: 2-pair (6P4C, 6P6C modular plugs) twisted-pair cable assemblies  
3-pair (6P6C modular plugs) twisted-pair cable assemblies

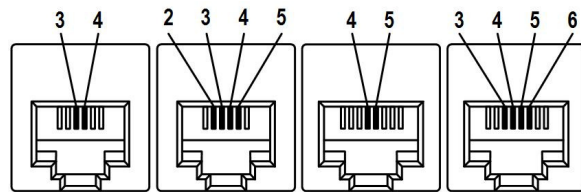
xx452-C3xU: 1-pair (6P4C, 6P6C, 8P8C modular plugs) twisted-pair cable assemblies  
2-pair (6P4C, 6P6C, 8P8C modular plugs) twisted-pair cable assemblies  
3-pair (6P6C, 8P8C modular plugs) twisted-pair cable assemblies  
4-pair (8P8C modular plugs) twisted-pair cable assemblies

xx454-C3xU: 2-pair (6P4C, 6P6C, 8P8C modular plugs) twisted-pair cable assemblies  
3-pair (6P6C, 8P8C modular plugs) twisted-pair cable assemblies  
4-pair (8P8C modular plugs) twisted-pair cable assemblies

TELCO connectors: 24/25-pair (50-position miniature ribbon connectors, male/female) twisted-pair cable assemblies

#### JACK TYPE

xx112-C3xU: 6P6C (6-position, 6-contact) "RJ12" type  
xx114-C3xU: 6P6C (6-position, 6-contact) "RJ12" type  
xx452-C3xU: 8P8C (8-position, 8-contact) "RJ45" type  
xx454-C3xU: 8P8C (8-position, 8-contact) "RJ45" type



xx112-C3xU xx114-C3xU xx452-C3xU xx454-C3xU

#### CONNECTOR CONTACTS

6P6C/8P8C sockets: phosphor bronze, nickel plating  
50-position ribbon: phosphor bronze, gold plating

#### WIRING SCHEMES

xx112-C3xU: USOC, pins 3-4

Panel port #	1/25	2/26	3/27	4/28	5/29	6/30	7/31	8/32	9/33	10/34	11/35	12/36	13/37	14/38	15/39	16/40	17/41	18/42	19/43	20/44	21/45	22/46	23/47	24/48
Port contact #	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4
TELCO contact #	1	26	2	27	3	28	4	29	5	30	6	31	7	32	8	33	9	34	10	35	11	36	12	37

xx114-C3xU: USOC, pins 2-3-4-5

Panel port #	1/13/25/37	2/14/26/38	3/15/27/39	4/16/28/40	5/17/29/41	6/18/30/42	7/19/31/43	8/20/32/44	9/21/33/45	10/22/34/46	11/23/35/47	12/24/36/48																																					
Port contact #	2	3	4	5	2	3	4	5	2	3	4	5																																					
TELCO contact #	27	1	26	2	29	3	28	4	31	5	30	6	33	7	32	8	35	9	34	10	37	11	36	12	39	13	38	14	41	15	40	16	43	17	42	18	45	19	44	20	47	21	46	22	49	23	48	24	49

xx452-C3xU: USOC, pins 4-5

Panel port #	1/25	2/26	3/27	4/28	5/29	6/30	7/31	8/32	9/33	10/34	11/35	12/36	13/37	14/38	15/39	16/40	17/41	18/42	19/43	20/44	21/45	22/46	23/47	24/48
Port contact #	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
TELCO contact #	1	26	2	27	3	28	4	29	5	30	6	31	7	32	8	33	9	34	10	35	11	36	12	37

xx454-C3xU: USOC, pins 3-4-5-6

Panel port #	1/13/25/37	2/14/26/38	3/15/27/39	4/16/28/40	5/17/29/41	6/18/30/42	7/19/31/43	8/20/32/44	9/21/33/45	10/22/34/46	11/23/35/47	12/24/36/48																																					
Port contact #	3	4	5	6	3	4	5	6	3	4	5	6																																					
TELCO contact #	27	1	26	2	29	3	28	4	31	5	30	6	33	7	32	8	35	9	34	10	37	11	36	12	39	13	38	14	41	15	40	16	43	17	42	18	45	19	44	20	47	21	46	22	49	23	48	24	49

#### CONSTRUCTION

Panel frame: cold-rolled steel, black paint coating  
Electric circuitry: PCB, panel-mounted 6P6C/8P8C sockets and 50-position miniature ribbon connectors (male or female)  
Connectors housings: high-impact, flame-retardant UL 94V-0 thermoplastic

#### DIMENSIONS

24xxx-C3xU: 19" rack mountable, 1.75" (1 RMU) high  
48xxx-C3xU: 19" rack mountable, 3.5" (2 RMU) high

#### OPERATING TEMPERATURE

-14°F – 140°F (-10°C – +60°C)

#### COMPLIANCE

ANSI/TIA-568-C.2, IEC 60603-7, FCC Part 68 Subpart F, UL 94V-0

#### APPLICATIONS

X.21, V.11, S0, ISDN, CSMA/CD 10BASE-T, TR 4

#### WARRANTY

5-year limited component warranty