SIGNAMAX **Connectivity Solutions**

Product **Specifications**

Category 6A MT-Series Unscreened Keystone Jacks

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance specifications
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- · Eliminates alien crosstalk with solid-metal cable-retention cap
- · Slim profile for the highest density applications
- · Improved wire retention and ease of termination with rear 110 type contacts
- · Easy-to-read T568A/B wiring scheme color-coded label
- · Circuit identification icons, dust covers, and 110 protection caps included in kit

The Signamax Category 6A Unscreened MT-Series Keystone Jacks have been designed to meet the need for today's highbandwidth applications. These connectors are slim in profile for the highest density applications and have the ability to mount either color-coded icons for service identification or dust covers to protect unused jacks from dust and other contaminants.



Special design features allow these jacks to be terminated with a standard 110 single-position tool or with the Signamax fourpair tool. The contact design provides enhanced plug-to-jack connection integrity, protects against damage caused by insertion of 4- or 6-position plugs, and is rated for a minimum of 750 plug insertions providing for the highest level of system reliability.

ORDERING INFORMATION

IDC: 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

| PART NO. | DESCRIPTION | |
|--|---|--|
| KJ458MT-C6AC | Category 6A MT-Series Keystone Jack, T568A/B Wiring, Light Ivory | |
| For other colors add t | he following to P/N: -wн <mark>-ye -or -rd -вu -</mark> GN -Gy | -вк |
| SPECIFICATIO | NS | |
| TRANSMISSION PERFORMANCE ANSI/TIA-568-C.2: meets or exceeds category 6A (1-500 MHz) component specifications TRANSMISSION MEDIA Unscreened twisted pair (U/UTP) JACK TYPE | | MECHANICAL Total Contact Force: Min 800 g Retention: 50 N (11 lbf) for 60± Mating Cycle Life: Min 750 cyc |
| | | FOOTPRINT Standard keystone footprint |
| 8p8c (8-position, 8-contact) "RJ45" style | | MOUNTING DIMENSIONS: 1.213" D x 0.665" W x 0.76" H (3 |
| WIRING SCHEME (See Figure 1) ANSI/TIA-568-C.2: T568A & T568B ISO/IEC 11801 2nd Ed.: 8-position pin/pair assignment (1-2/3-6/4-5/7-8) | | ENVIRONMENTAL CONDIT Operating Temperature: 14 °F |
| WIRE GAUGE 22 to 24 AWG (0.644 to 0.511 mm) | | Storage Temperature: -40 °F to Operating RH: 93% Max (non-c |
| ELECTRICAL Insulation Resistance: Min 500 MOhm @ 100 V _{dc} Dielectric Withstanding Voltage: 1,000 V _{dc/ac} peak contact-to-contact @ 60 Hz for 1 min Spring Wire Contact Resistance: Max 20 mOhm IDC Contact Resistance: Max 2.5 mOhm | | COMPLIANCE ANSI/TIA-568-C.2, IEEE 802.3 a |
| | | APPLICATIONS X.21, V.11, S0, ISDN, CSM, 100BASE-T2, 1000BASE-T, 10 25/51/155, TP-PMD |
| Current Rating: See Figure 2 CONSTRUCTION | | WARRANTY 5 - Year Limited Component |
| Housing: High impac Jack Spring Wire: Pt 100 μin of nickel | t thermoplastic, UL94V-0 fire retardant hosphor bronze alloy plated with 50 μin of gold over 70 to | |

/lin 800 g for 8 wire leads for 60±5 s 750 cycles

76" H (30.8 mm x 16.9 mm x 19.3 mm)

ONDITIONS

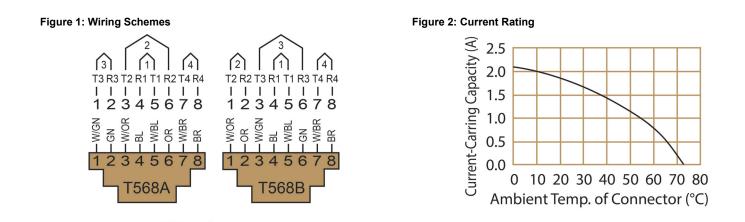
e: 14 °F to 140 °F (-10 °C to 60 °C) -40 °F to 158 °F (-40 °C to 70 °C) x (non-condensing)

802.3 ab, FCC Part 68 Subpart F, UL 94V-0

CSMA/CD 10BASE-T, 100BASE-TX, 100BASE-T4, E-T, 10GBASE-T, TR 4/16/100, 100BASE-VG, ATM LAN

PSS-KJ458MT-C6AC A-6-16

SIGNAMAX Connectivity Solutions



KEEPING YOUR WORLD CONNECTED

PSS-KJ458MT-C6AC_A-6-16

800 446 2377 • www.signamax.com • 999 NW 159th Drive, Miami, FL 33169 • Phone 305-944-7710 • Fax 305-949-4483