SIGNAMAX
Connectivity Solutions

Product Specifications

Voice-Grade MT-Series Unscreened Keystone Jacks

KEY FEATURES

- Exceeds TIA-568-C.2 category 3 specifications for individual pairs
- Slim profile for high density applications
- Improved wire retention and ease of termination with rear 110 type contacts
- Easy-to-read 3-pair USOC wiring scheme color-coded label
- Compatible with Signamax screened snap-in patch panels and work area faceplates
- Circuit identification icons, dust covers, and 110 protection caps included in kit





The Signamax Voice-Grade Unscreened MT-Series Keystone Jacks have been designed to support voice-transmission network applications and low-speed data-transmission applications. These connectors are slim in profile for high 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 four-pair tool. The connector 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

PART NO.	DESCRIPTION
KJ126MT-C3U	Voice-Grade 6P6C MT-Series Keystone Jack, USOC Wiring, Light Ivory
KJ126MT25-C3U	Voice-Grade 6P6C MT-Series Keystone Jack, USOC Wiring, Light Ivory, 25-Pack

For other colors add the following to P/N: -WH -DI -YE -OR -RD -BU -GN -GY -BK

SPECIFICATIONS

TRANSMISSION PERFORMANCE
ANSI/TIA-568-C.2: meet or exceed individual-pair category 3 (up to 16 MHz) component specifications

TRANSMISSION MEDIA
Unscreened twisted pair (U/UTP)

JACK TYPE
6p6c (6-position, 6-contact) “RJ12” style

WIRING SCHEME(See Figure 1)
Three-pair USOC

WIRE GAUGE
22 to 24 AWG (0.644 to 0.511 mm)

ELECTRICAL
Insulation Resistance: Min 500 MOhm @ 100 Vdc
Dielectric Withstanding Voltage:
1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
Spring Wire Contact Resistance: Max 20 mOhm
IDC Contact Resistance: Max 2.5 mOhm
Current Rating: See Figure 2

FOOTPRINT
Standard keystone footprint

CONSTRUCTION
Housing: High impact thermoplastic, UL94V-0 fire retardant
Jack Spring Wire: Phosphor bronze alloy plated with 50 µin of gold over 70 to 100 µin of nickel
IDC: 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

MECHANICAL
Retention: 50 N (11 lbf) for 60 ± 5 s
Mating Cycle Life: Min 750 cycles

MOUNTING DIMENSIONS:
1.18” D x 0.67” W x 0.76” H (30.0 mm x 16.9 mm x 19.3 mm)

ENVIRONMENTAL CONDITIONS
Operating Temperature: 14 °F to 140 °F (-10 °C to 60 °C)
Storage Temperature: -40 °F to 158 °F (-40 °C to 70 °C)
Operating RH: 93% Max (non-condensing)

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

APPLICATIONS
X.21, V.11, S0/S1/S2 (ISDN BRI/PRI), ADSL, VDSL, TR-4, TR-16

WARRANTY
5 - Year Limited Component

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Figure 1: Wiring Scheme

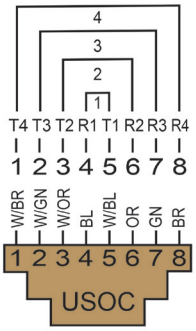
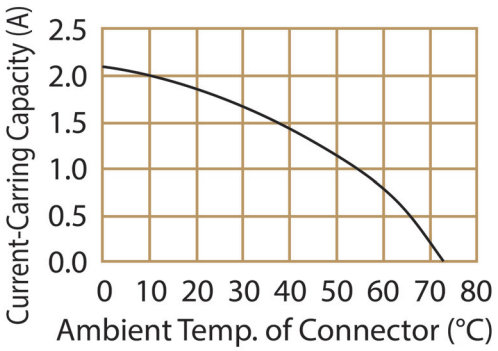


Figure 2: Current Rating



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