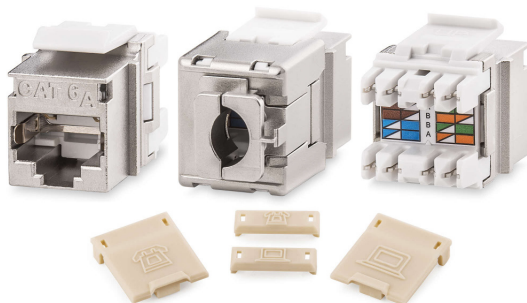


Category 6A Screened High-Density MT-Series Keystone Jack

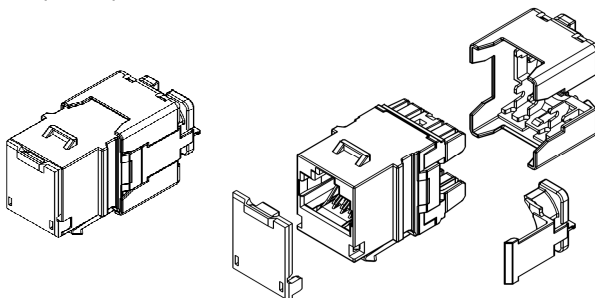


KEY FEATURES

- Meets 10G IEEE 802.3an transmission requirements
- Meets or exceeds TIA-568-C.2 performance specifications
- Supports category 6A 100-meter 4-conductor channel performance
- Contact design provides enhanced plug to jack connection integrity and protects against damage caused by insertion of 4 or 6 position plugs
- 110-type contacts provide improved wire retention and ease of termination
- Rated for at least 750 plug insertion cycles
- Overall solid shielding design
- Circuit identification icons and dust covers are part of the kit
- Compatible with Signamax screened snap-in patch panels and work area faceplates
- Compatible with Signamax KJMT-8600 multipair termination tool and standard single –position 110 punch-down tool
- T568A and T568B wiring with an easy to read color-code wiring label for maximum flexibility
- Cable diameters 5-9 mm (0.2-0.35 in)

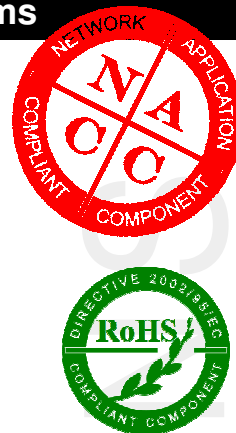
ORDERING INFORMATION

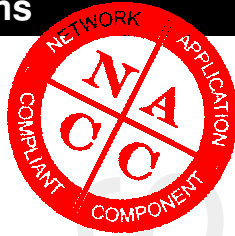
Part Number	Description
KJS458MT-C6AC	Category 6A Screened High-Density MT-Series Keystone Jack, T568 A/B, Ivory Accessories
Other accessory colors are available upon request.	



RELATED PRODUCTS

Product/Product Group	Spec Sheet #
Category 6A Screened Patch Cords _____	PSS.C6ASL-FTP-PC (A-OCT-08)
Category 6A Unscreened Patch Cords _____	PSS.C6A-UTP-PC (B-AUG-09)
Keystone Faceplates Adapters and Mounting Hardware _____	PSS.KFA-MH (A-AUG-07)
Keystone Plastic Faceplates _____	PSS.KPF (B-AUG-09)
Keystone Stainless Steel Faceplates _____	PSS.KSSF (B-AUG-09)
Modular Furniture Keystone Adapters _____	PSS.MFKA (A-AUG-07)
Unloaded High Density Multimedia Patch Panel _____	PSS.U-HD-MM-PP (A-OCT-08)





Category 6A Screened High-Density MT-Series Keystone Jack

SPECIFICATIONS

TRANSMISSION PERFORMANCE

ANSI/TIA-568-C.2, IEC/ISO 11801, ISO/IEC 60603-7-51: exceeds category 6A (1-500 MHz) specifications

TRANSMISSION MEDIA

Unscreened (U/UTP) or screened (U/STP, F/UTP, F/STP, S/UTP, S/STP, SF/UTP, SF/STP)

twisted pair

Min cable diameter: 5 mm (0.20 in)

Max cable diameter: 9 mm (0.35 in)

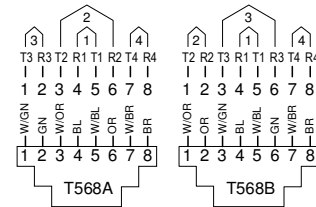
JACK TYPE

8p8c (8-position, 8-contact) "RJ45" style

WIRING SCHEME

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)



WIRING SCHEMES

WIRE GAUGE

22-24 AWG (0.644–0.511 mm)

ELECTRICAL

Insulation resistance: min 500 MOhm @ 100 V_{dc}

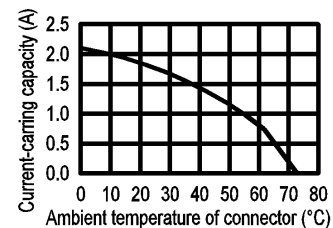
Dielectric withstanding voltage: 1,000 V_{dc/ac} peak contact-to-contact @ 60 Hz for 1 min

1,500 V_{dc/ac} peak contact-to-panel @ 60 Hz for 1 min

Spring wire contact resistance: max 20 mOhm

IDC contact resistance: max 2.5 mOhm

Current rating: see figure



CONSTRUCTION

Housing: zinc-alloy

Jack spring wire: phosphor bronze alloy plated with 50 µin of gold over 70–100 µin of nickel

IDC: 110 type, phosphor bronze alloy with 100-µin 100% tin (Sn) alloy

MECHANICAL

Total contact force: min 800 g for 8 wire leads

Retention force: 50 N (11 lbf) for 60 ± 5 s

Mating cycle life: min 750 cycles

FOOTPRINT

Standard keystone footprint

MOUNTING DIMENSIONS

D 42.40 mm H 25.80 mm W 14.60 mm

D 1.669 in H 1.016 in W 0.575 in

ENVIRONMENTAL CONDITIONS

Storage: -40 °C – +70 °C (-40 °F – +158 °F)

Operation: -10 °C – +60 °C (+14 °F – +140 °F)

RH (operation): max non-condensing 93 %

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, 100BASE-TX, 100BASE-T4, 100BASE-T2, 1000BASE-T, 10GBASE-T, TR 4/16/100, 100BASE-VG, ATM LAN 25/51/155, TP-PMD

WARRANTY

5-year limited component warranty

10-year Signamax Link/Channel Warranty

15-year Signamax Extended Component Warranty

25-year Signamax Cabling System Warranty



www.signamax.com

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