TX6™ PLUS 23-24 AWG UTP Modular Plug

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Category 6/Class E, 8-position, 8-wire, UTP modular plug shall terminate 4-pair, 23-24 AWG, 100 ohms, solid or stranded unshielded twisted pair patch cable with maximum conductor insulation diameter of 0.042 inch (1.07mm) and maximum jacket diameter of 0.250 inch (6.35mm).

TECHNICAL INFORMATION

Category 6/Class E component performance:	Exceeds ANSI/TIA Category 6 and ISO Class E performance requirements when properly terminated to Category 6 UTP copper cable
Cable jacket diameter range:	0.225 in. - 0.250 in. (5.72mm – 6.35mm)
Conductor insulation diameter range:	0.036 in. - 0.042 in. (0.91mm –1.07mm)
Conductor termination:	Compatible with most 23-24 AWG solid or stranded Category 6 UTP patch cable
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A (formerly FCC Part 68)
IEC compliance:	IEC 60603-7
c(UL) listed:	UL 1863, CSA Standard C22.2
Safety compliance:	(UL File E129886)
RoHS compliance:	Compliant
Plug housing:	UL94V-0 rated clear Polycarbonate
Cable manager:	UL94V-0 rated clear, tinted Polycarbonate
Contacts:	Gold plated phosphor bronze
Operating temperature:	14°F to 140°F (-15°C to 60°C)
Storage temperature:	-40°F to 158°F (-40°C to 70°C)

KEY FEATURES AND BENEFITS

Patented tangle-free latch:	Prevents snags and provides easy release, saving time and providing reliability on frequent moves, adds, and changes
Robust construction:	Rated to 2500 mating cycles

APPLICATIONS

Category 6 plug modules allow customers to meet performance requirements in ISO 11801 Class E, IEEE 802.3an-2006 and ANSI/TIA-568-C.2 Category 6 Standards to support transmission at speeds up to and including 1000BASE-T. These plugs can be used in applications such as high performance workstations, 155 Mb/s ATM,622 Mb/s ATM, 1.2 Gb/s ATM, Token Ring 4/16, digital video and broadband/baseband.

TX6 PLUS 23-24 AWG UTP Modular Plug	
TG-Style module (100 pieces):	SP688-C
Tools and Accessories	
Small gauge plug assembly tool:	SGPT
Crimp tool:	MPT5-8AS
RJ45 plug lock-in device (standard)::	PSL-DCPLE**+
RJ45 plug lock-in device (recessed):	PSL-DCPLRE**+

**Colors other than Red: -BL (Black), -BU (Blue), -GR (Green), -YL (Yellow), -OR (Orange), IW (International White), or -IG (International Gray)
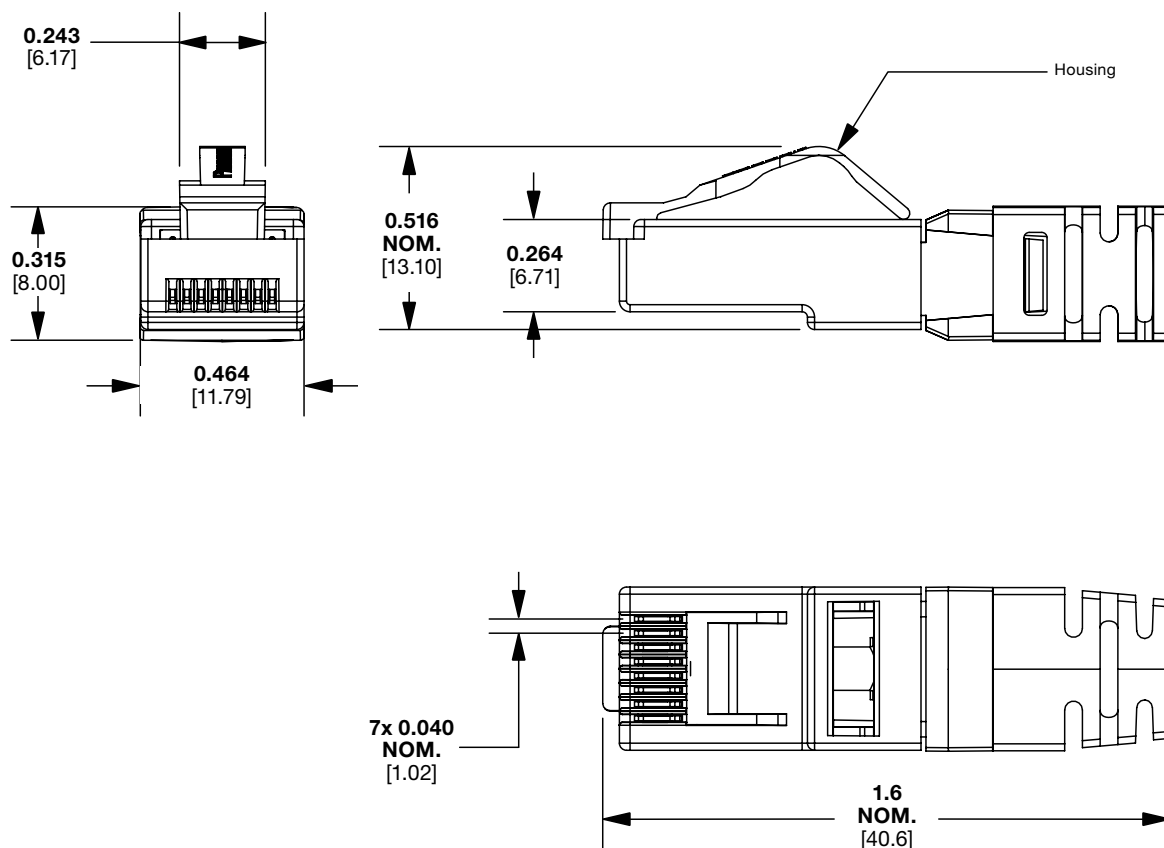
+Add -X for packages of 10 or -C for packages of 100 packages of 100.

TAA Compliant

All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

ENGINEERING DRAWINGS

0.243 [6.17]

0.315 [8.00]

0.464 [11.79]

0.516 NOM. [13.10]

0.264 [6.71]

Housing

7x 0.040 NOM. [1.02]

1.6 NOM. [40.6]

Dimensions are in inches. [Dimensions in brackets are metric.]

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