TX6™ PLUS Category 6 UTP 3-Piece Modular Plug

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Category 6/Class E, 8-position, 8-wire, UTP 3-piece modular plug shall terminate 4-pair, 23–24 AWG, 100 ohm, 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).
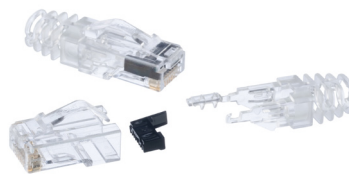
TECHNICAL INFORMATION

Category 6/Class E 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)
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A (formerly FCC Part 68)
IEC compliance:	IEC-60603-7
PoE compliance:	Supports PoE, PoE+, and proposed Type 3 and 4 PoE++ applications for up to 100W
Safety compliance:	cULus Listed; UL 1863 and CAN/CSA-C22.2 (UL File E129886)
RoHS compliance:	Compliant
Conductor termination:	Compatible with 23-24 AWG solid or stranded Category 6 UTP patch cable
Plug housing:	UL94V-0 rated clear 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

Three-piece design:	Speeds and simplifies terminating plug onto cable
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 plugs 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 analog video, and Voice over IP.

Category 6 UTP Modular Plug	
Bulk pack (100 pieces):	SP688E-C
Tools and Accessories	
Termination tool:	CSPT
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)
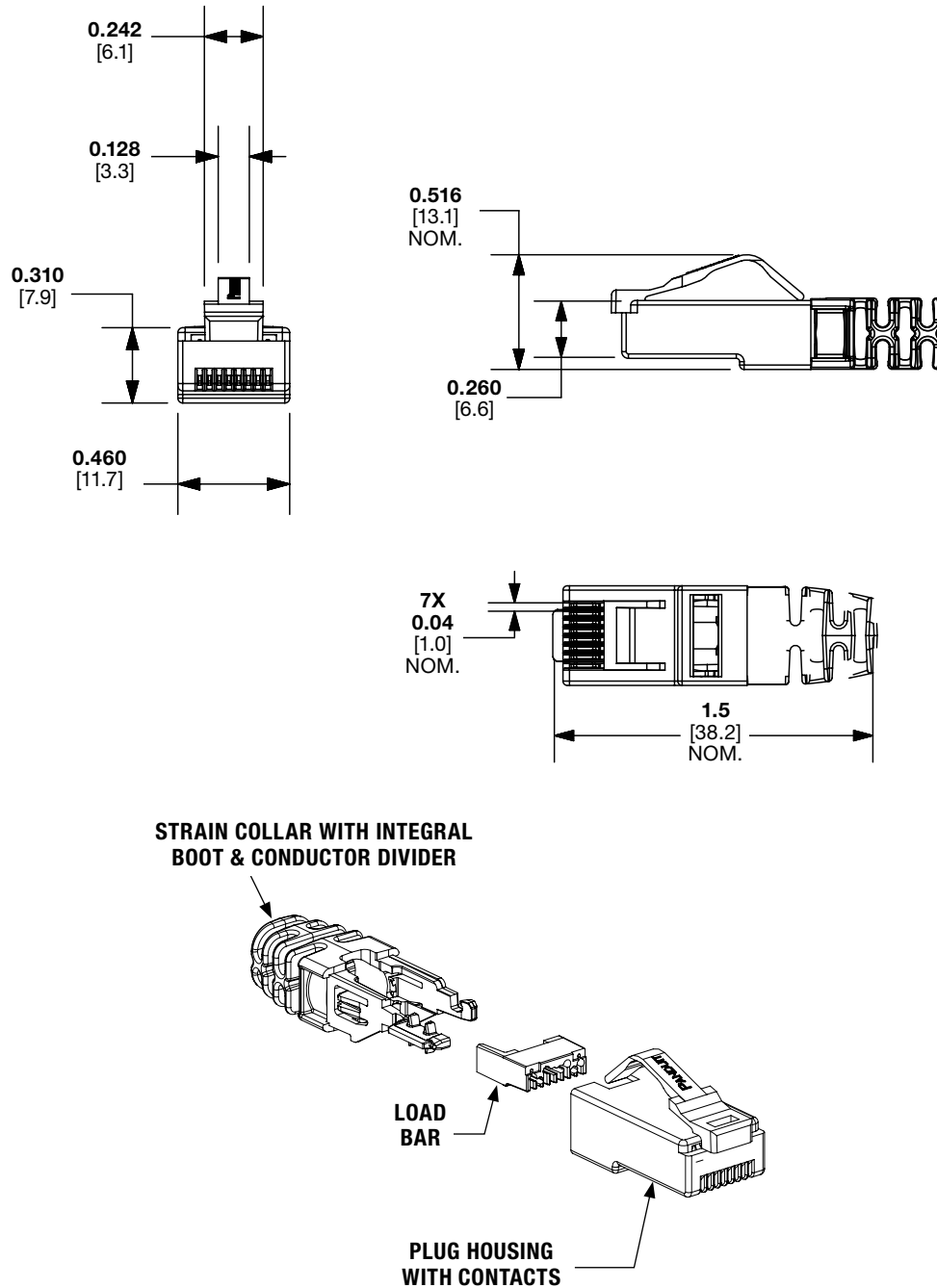
+Add -X for packages of 10 or -C for packages of 100 packages of 100

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.

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ENGINEERING DRAWINGS

0.242 [6.1]

0.128 [3.3]

0.310 [7.9]

0.460 [11.7]

0.516 [13.1] NOM.

0.260 [6.6]

7X 0.04 [1.0] NOM.

1.5 [38.2] NOM.

STRAIN COLLAR WITH INTEGRAL BOOT & CONDUCTOR DIVIDER

LOAD BAR

PLUG HOUSING WITH CONTACTS

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

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