

00-9296



AVX continues to develop innovative connectors for the industrial electronics market that provide significant benefits over existing, outdated connector solutions. Listening to the design engineering community, there are ongoing applications where they cannot find an off-the-shelf solution that will satisfy a high percentage of the projects configuration, performance and cost goals.

The newest addition to AVX's broadening line of Wire-to-Board (WTB) connectors offers a cost effective, single Poke-Home connector solution that will meet the cost and performance targets in demanding, yet user friendly applications. At the heart of the connector is the industry proven dual tine, 3mm high spring force box contact that has been on the market as a standalone horizontal contact only solution.

The new SMT vertical top entry connector allows for 18AWG to 26AWG wires to be simply stripped and inserted into the connector body at 180 degree orientation to the top side of the PCB. This single connector will replace existing 2-Piece WTB solutions where a header is soldered onto the PCB and a secondary crimp-to-wire receptacle assembly is plugged in. Available in 1-6 positions, each connector will accept the entire wire gauge range for either solid or stranded wires at varying current ratings supported by each wire size. Once inserted, wires can easily be removed or replaced by twisting/unscrewing or by using a small blade extraction tool.

APPLICATIONS

- Industrial/Ruggedized Wire-to-Board applications
- Replace hard soldering of wire to a PCB
- Replace costly 2-Piece header and receptacle products
- Reference Product Specification 201-01-151
- Reference Application Notes 201-01-152

FEATURES AND BENEFITS

- Dual Beam box contact provides maximum mechanical stability and wire retention
- Tape and reel packaged for automated SMT placement
- Will accept either solid or stranded wire, 18-26AWG, plated or un-plated wires
- Simple strip and insert for wire loading, with easy twist and pull for wire removal

ELECTRICAL

- Voltage Rating: 600 VAC 1 way; 300 VAC 2 - 6 way
- Current Rating: See matrix below

HOW TO ORDER



Wire Gauge Siz	e
Accepted	

553

of Ways 001 = 1 002 = 2	Code	Accepted Wire Gauge	Max Insulation
002 = 2 003 = 3 004 = 4	553	18 – 26 AWG Solid or Stranded	2.2mm
005 = 5			

CURRENT RATING

18AWG	20AWG	22AWG	24AWG	26AWG
7A	6A	5A	4A	ЗA

006 = 6

Х **Insulator Color** All Sizes 9 = UL White (Standard)

8 = UL Black (Special Order)

One Way Only (Special Order)

2 = UL Brown

7 = UL Orange

3 = UL Blue 4 = UI Yellow 5 = UL Red 6 = UL Green



Contact Material: Copper Alloy

Contact Plating: Tin over Nickel

MECHANICAL

Durability: 5 Cycles



ENVIRONMENTAL

• Operating Temperature:

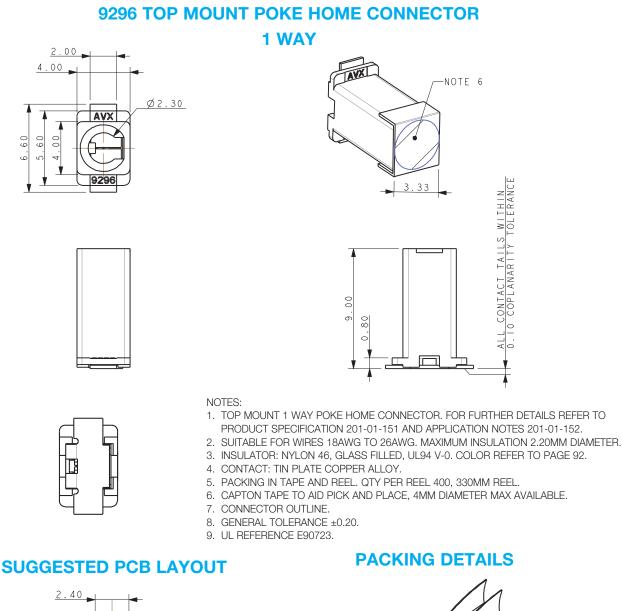
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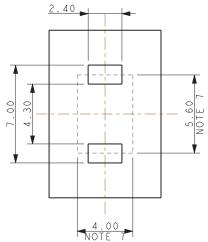


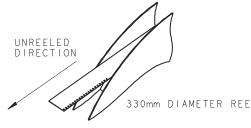
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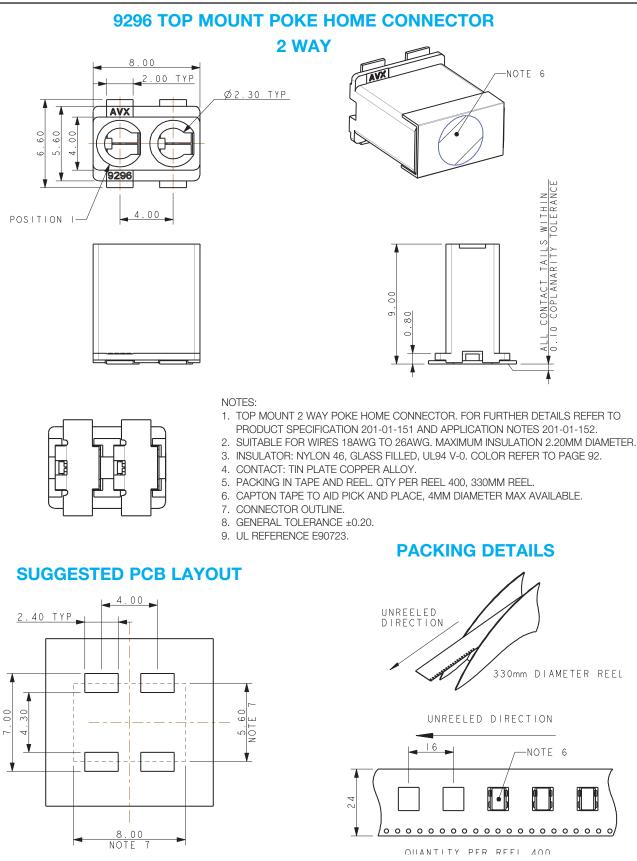
UNREELED DIRECTION NOTE 6 Q

QUANTITY PER REEL 400





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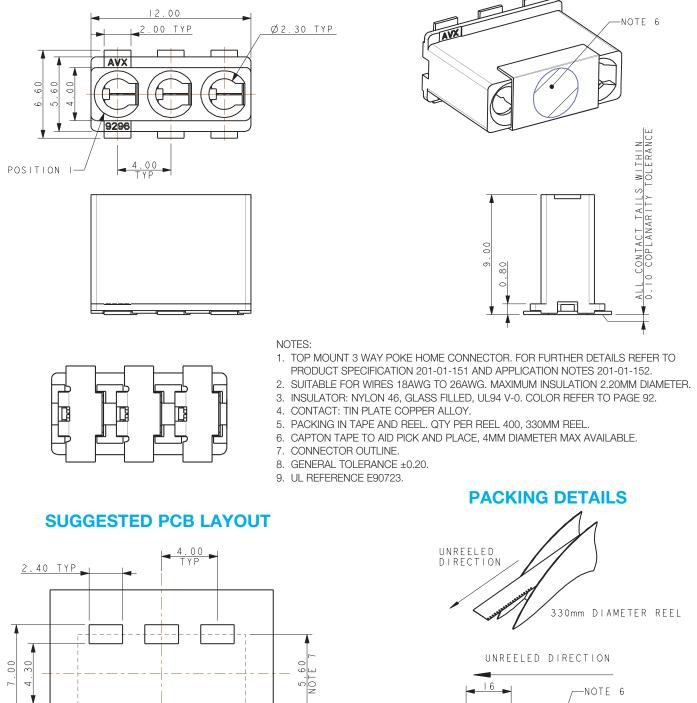


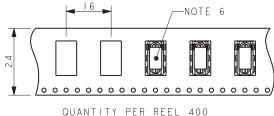


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3 WAY



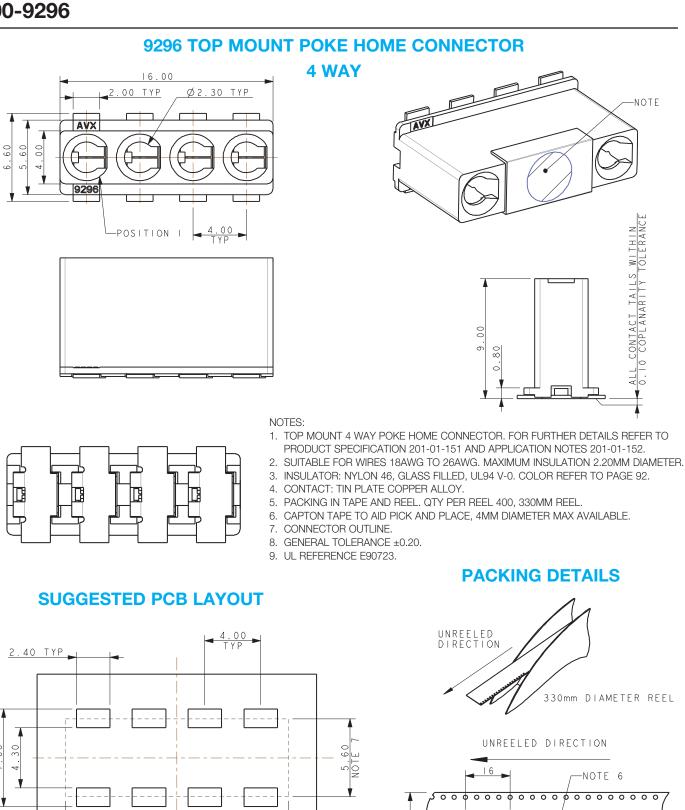


12.00 NOTE

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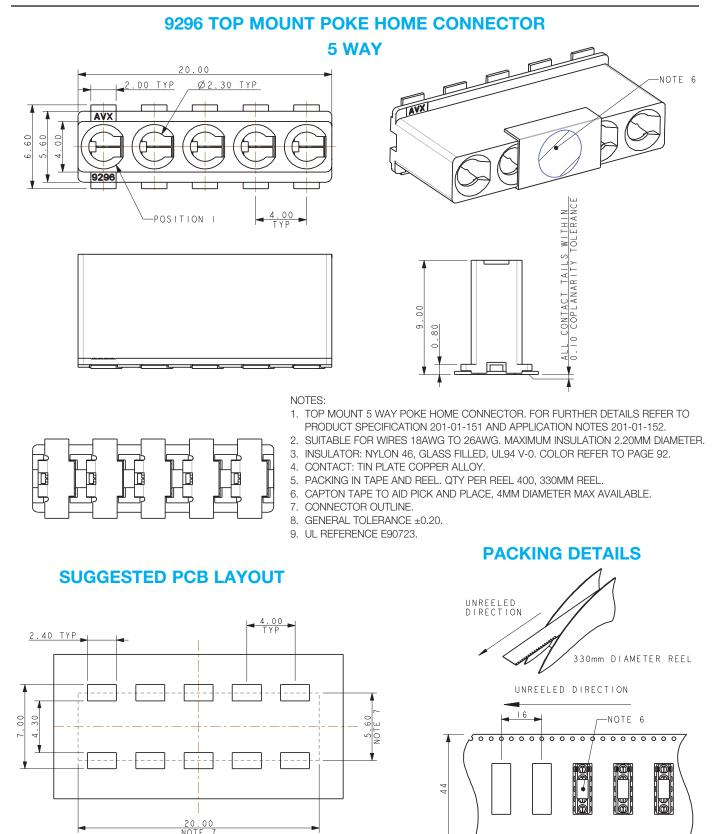
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16.00

7.00



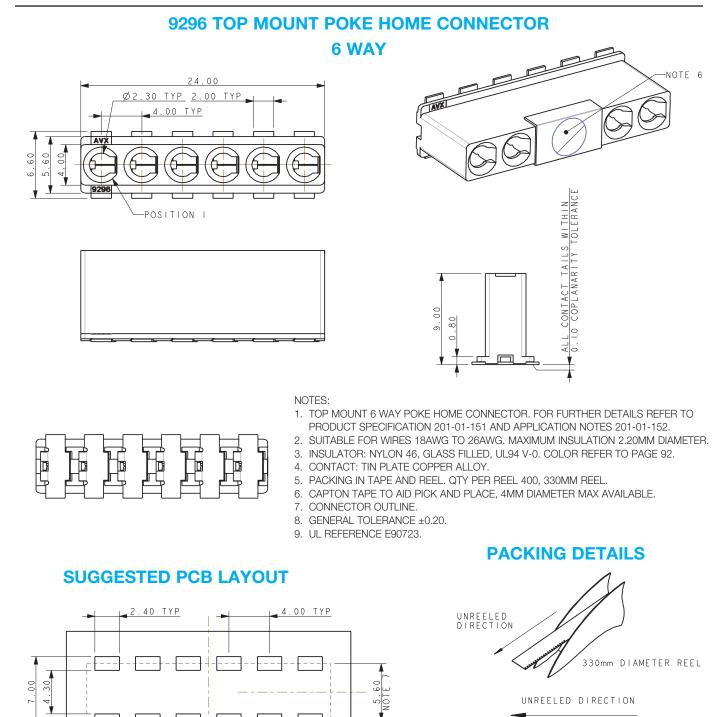
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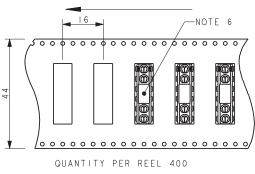
QUANTITY PER REEL 400



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UNREELED DIRECTION



24.00 NOTE 7

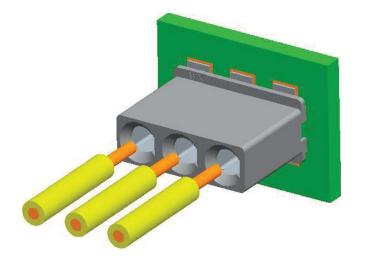


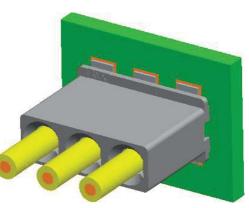
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9296 TOP MOUNT POKE HOME CONNECTOR ASSEMBLY



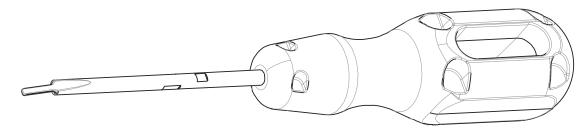
WIRE STRIP LENGTH





Refer to application notes 201-01-152 for full assembly procedure.

9296 TOP MOUNT POKE HOME CONNECTOR WIRE EXTRACTION TOOL



06-9296-7003-01-000

Refer to application notes 201-01-152 for full wire extraction procedure.

