# 3M™ Pak 100 4-Wall Header

.100" × .100" Low Profile, Straight and Right Angle, High Temp Option 2500 Series



- Low profile, space saving design
- Socket compatibility for current design validation
- Center slot polarization prevents mis-insertions and reduces insertion time
- Dual slot polarization means broader compatibility with competitive polarization designs
- Optional retainer clamp for locking sockets in place and increasing connection reliability in vibration-prone environments
- Optional snap-in latches available
- Optional polarizing post available
- Exposed solder tails (on right angle version) provide ease of cleaning and reduced repair costs

Date Modified: May 30, 2003

TS-0770-11 Sheet 1 of 3

### **Physical**

Insulation

Material: Glass Filled Polyester (PBT)

Glass Filled Polyester (PCT )(High Temp Option)

Flammability: UL 94V-0

Color: Gray

**Beige (High Temp Option)** 

Contact

Material: Copper Alloy

**Plating** 

Underplate:  $100 \mu''$  [  $2.54 \mu m$  ] Nickel — QQ-N-290, Class 2

Wiping Area: Gold — MIL-G-45204, Type II, Grade C

Solder Tails:  $200 \,\mu^{\prime\prime}$  [  $5.08 \,\mu m$  ] 60/40 Tin Lead — MIL-P-81728

Wrap Tails: Gold Flash (Normal Temp Only)

Marking: 3M Logo, and Orientation Triangle

### **Electrical**

**Current Rating: 2 A** 

**Insulation Resistance:** >1  $\times$  10<sup>9</sup>  $\Omega$  at 500 Vdc **Withstanding Voltage:** 1000 Vrms at Sea Level

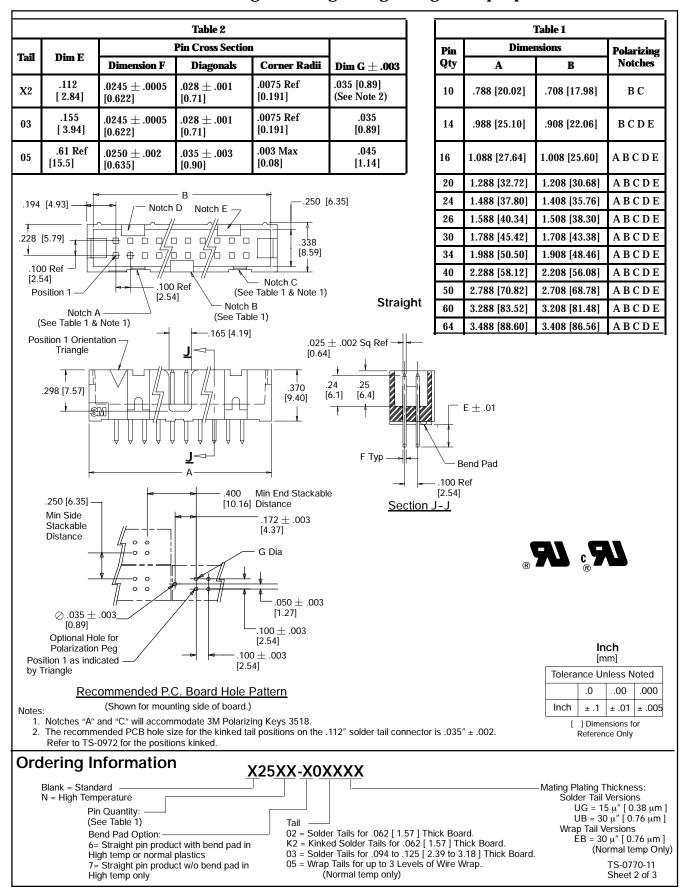
### **Environmental**

**Temperature Rating:** -55°C to +105°C

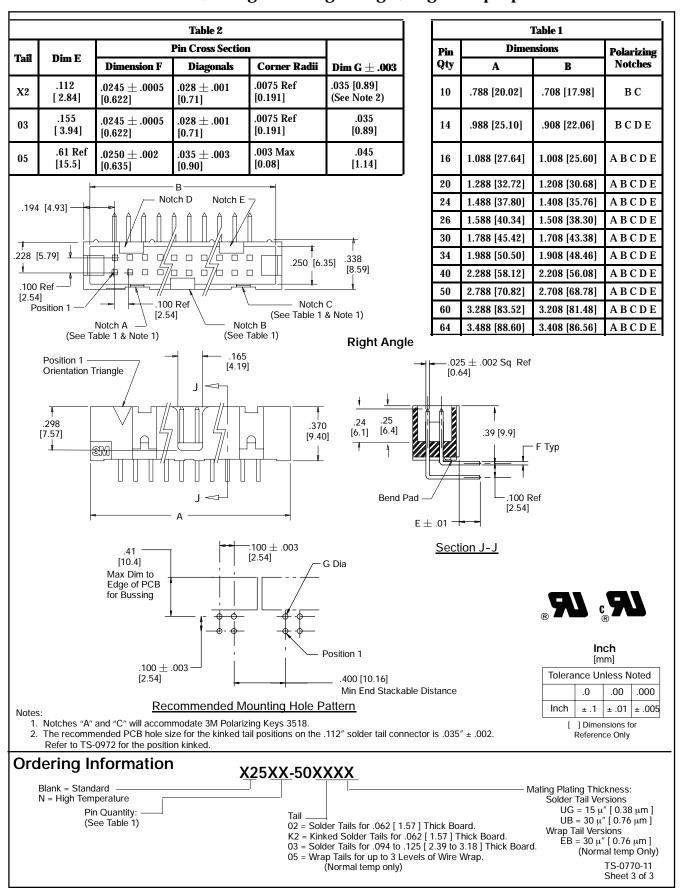
**Processing:** Maximum 235°C, with 90 seconds over 215°C (High Temp Option)

**UL File No.: E68080** 

## $.100'' \times .100''$ Low Profile, Straight and Right Angle, High Temp Option



## $.100'' \times .100''$ Low Profile, Straight and Right Angle, High Temp Option



#### **Important Notice**

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

#### Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 1 year from the date of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.



**Electronic and Interconnect Solutions Division** 

6801 River Place Blvd. Austin, TX 78726-9000 www.3M.com/eisd