# 3M<sup>TM</sup> Four-Wall Header .100" x .100" Low Profile, SMT Straight, Straight and Rt Angle Through-Hole



- Low profile, space saving design
- Center slot polarization prevents mis-insertions and reduces insertion time
- Dual slot polarization means broader compatibility with competitive polarization designs (not 8 or 10 pos.)
- Optional retainer clip for locking sockets in place and increasing connection reliability in vibration-prone environments
- Optional high temperature insulator suitable for "no lead" soldering operations
- High temperature option in through-hole version suitable for "paste in hole" reflow soldering techniques
- Exposed solder tails (on right angle version) provide ease of cleaning and reduced repair costs
- Straight surface mount version available
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of www.3Mconnector.com for compliance information.

Date Modified: August 4, 2010

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## **Physical**

#### Insulator

Material:	Glass Filled Polyester (PBT), Glass Filled Polyester (PCT)- High Temperature Option
Flammability:	UL 94V-0
Color:	Gray (PBT) or Black (PCT)
Contact Material:	Copper Alloy
Plating	
Underplating:	100 μ" [ 2.54 μm ] Nickel - Overall
Wiping Area:	Gold (See Ordering Information)
Solder Tails:	200 µ" [ 5.08 µm ] Tin Lead or Matte Tin (See Ordering Information)
Marking:	3M Logo, Part Identification Number and Orientation Triangle

## **Electrical**

<b>Current Rating:</b>	2 A
Insulation Resistance:	${>}1 \ x \ 10^9 \ W$ at 500 $V_{_{DC}}$
Withstanding Voltage:	$1000V_{_{RMS}}$ at Sea Level

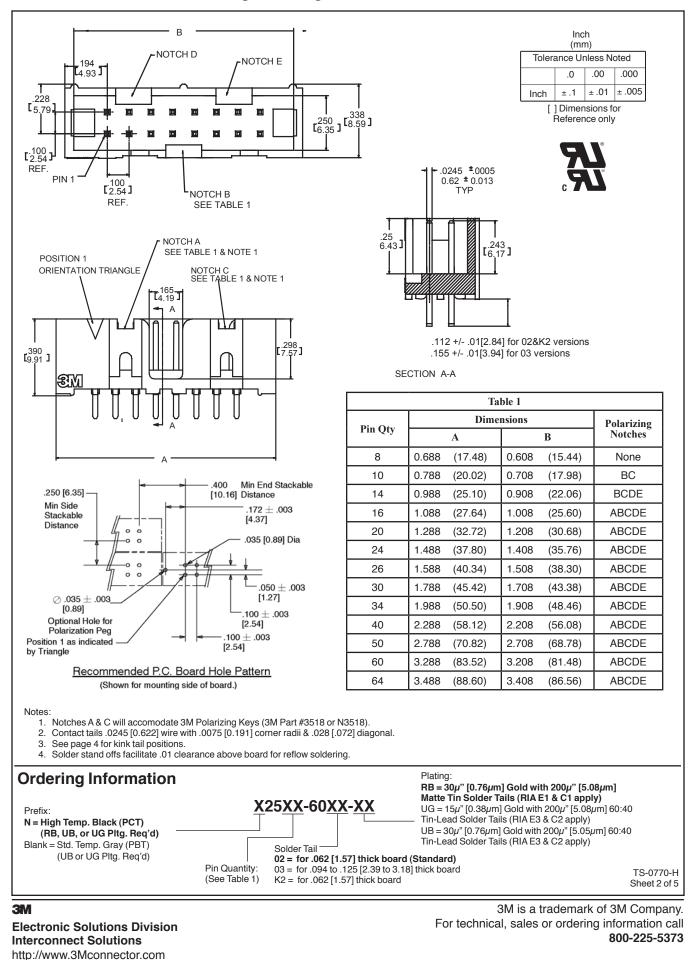
### Environmental

<b>Temperature Rating:</b>	-55°C to +105°C	
<b>Process Rating:</b>	Process Rating: 260°C, (High Temperature and PCT insulator versions only), single pas	
	(profile per J-STD-020C) PBT insulator version, maximum molded	
	insulator temperature 191°C (solder wave process only)	
Moisture Sensitivity Level:	1 (per J-STD-020C)	

UL File No.: E68080

# 3M<sup>™</sup> Four-Wall Header .100" x .100" Low Profile, Straight Through-Hole

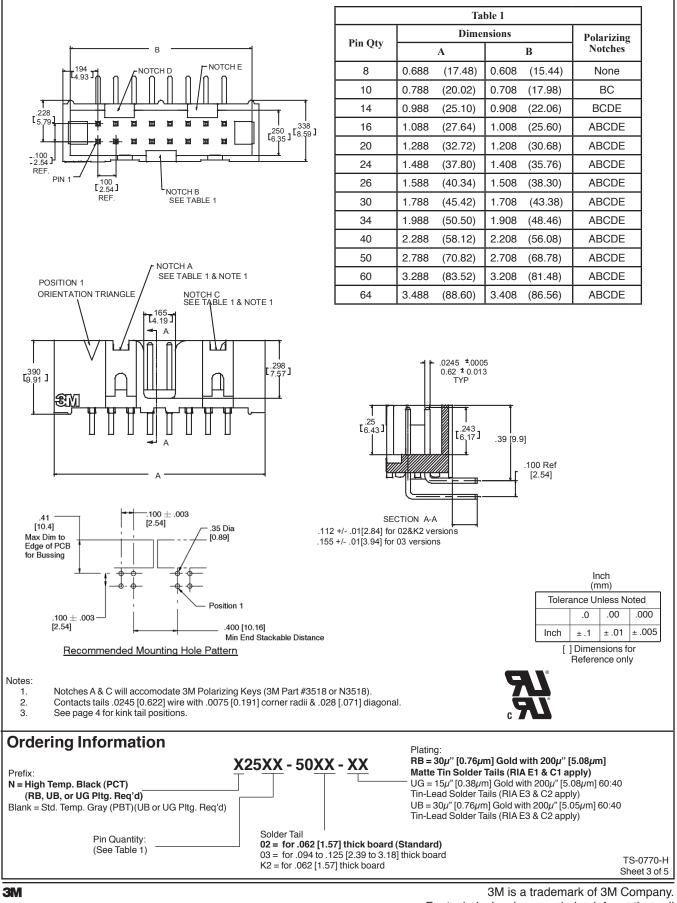
## 2500 Series



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# 3M<sup>™</sup> Four-Wall Header .100" x .100" Low Profile, Right Angle Through-Hole

# 2500 Series

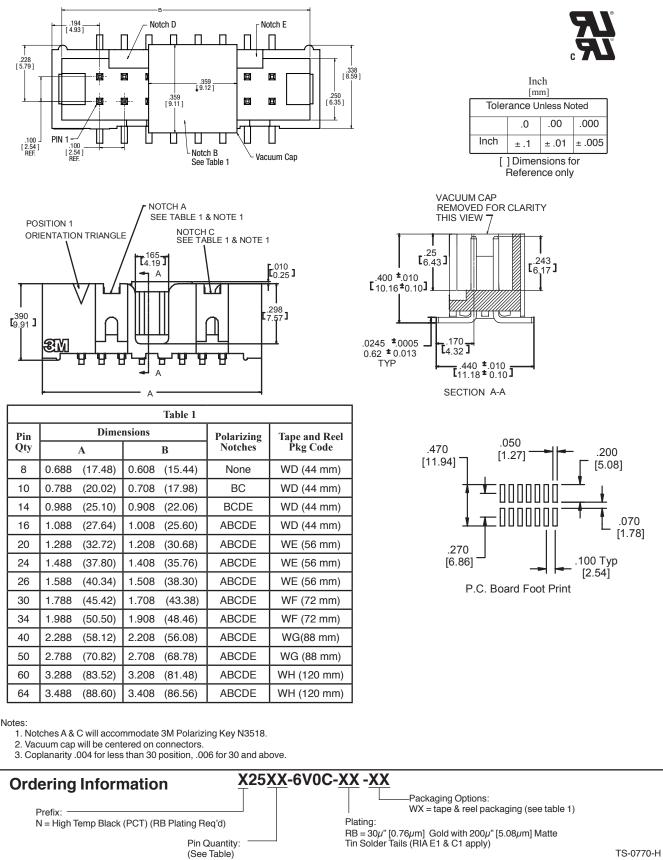


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# 3M<sup>™</sup> Four-Wall Header

.100" x .100" Low Profile, Surface Mount Straight



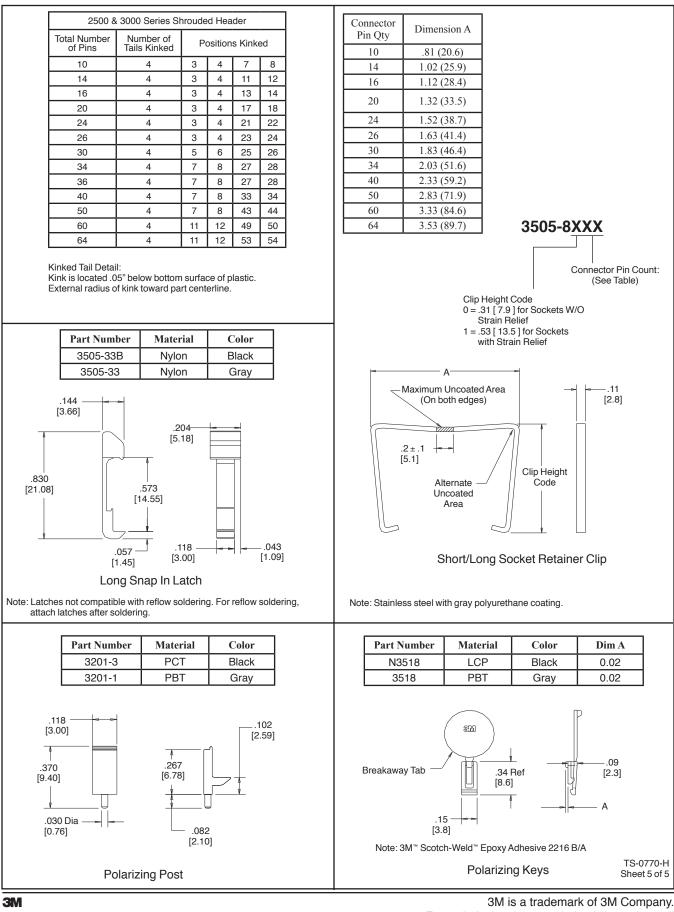
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#### **3M** Electronic Solutions Division Interconnect Solutions

# $3M^{\text{TM}}$ Four-Wall Header

# .100" x .100" Low Profile, Accessories

## 2500 Series



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