3M[™] 4-Wall Header

.100" × .100" Low Profile, SMT Straight, Straight and Right Angle Thru Hole2500 Series



- 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 10 pos.)
- Optional retainer clip for locking sockets in place and increasing connection reliability in vibrationprone environments
- Optional High temperature insulator suitable for "no lead" soldering operations
- High temperature option in thru 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
- RoHS* compliant version (RB Plating Suffix) available
- Straight surface mount version available TO 0770 40

	15-0770-16
Date Modified: August 1, 2006	Sheet 1 of 5

Physical

Insulator

Material:	Glass Filled Polyester (PBT), Glass Filled Polyester (PCT) - High temperature option
Flammability:	UL 94V-0
Color:	Gray (PBT), Beige (PCT) or Black (PCT) - RoHS compliant
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)
Terminal Finish Indicator:	e3 (For RB Plating Suffix) (per JESD97)
Marking:	3M Logo, Part Identification Number and Orientation Triangle

Electrical

Current Rating:	2 A
Insulation Resistance:	$>1 \times 10^9 \Omega$ at 500 Vdc
Withstanding Voltage:	1000 Vrms at Sea Level

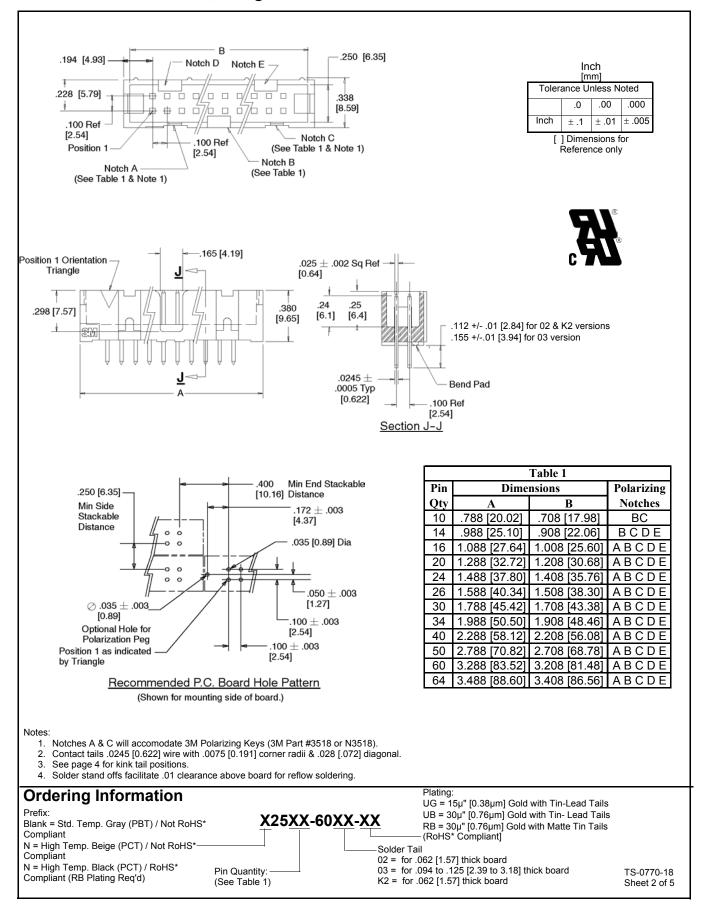
Environmental

Temperature Rating: -55°C to +105°C **Process Rating:** 260°C, (High Temp & RoHS Compliant versions only), single pass, (profile per J-STD-020C) Moisture Sensitivity Level: 1 (per J-STD-020C)

*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment "RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, heavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, the No \cdot E68080 this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M. UL File No.: E68080

ЗМ Interconnect Solutions http://www.3M.com/interconnects/

$3M^{\text{TM}}_{\text{-}}$ 4-Wall Header .100" × .100" Low Profile, Straight Thru Hole

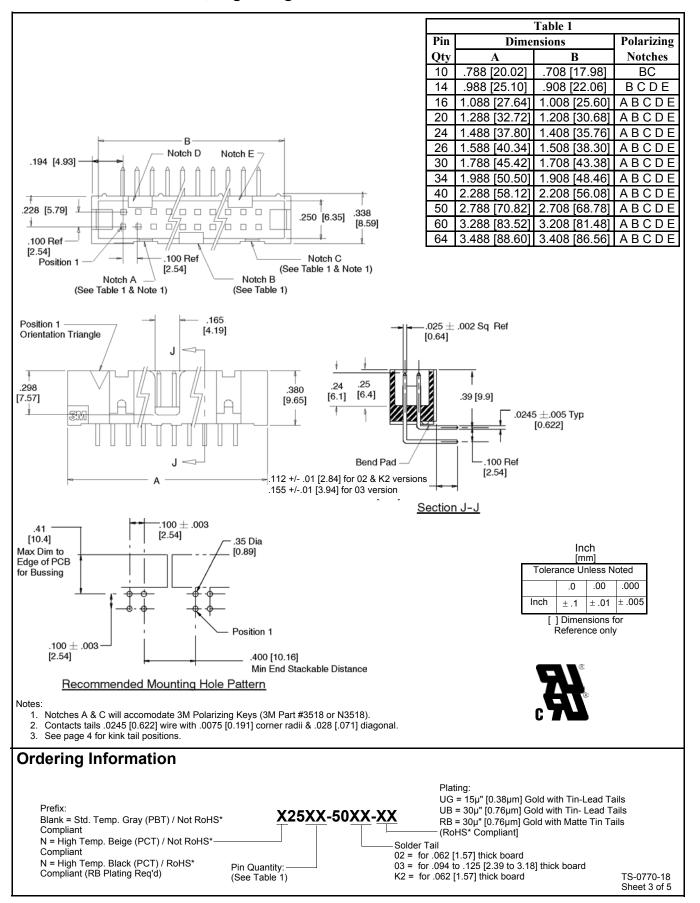


ЭМ

Interconnect Solutions http://www.3M.com/interconnects/

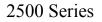
.100" × .100" Low Profile, Right Angle Thru Hole

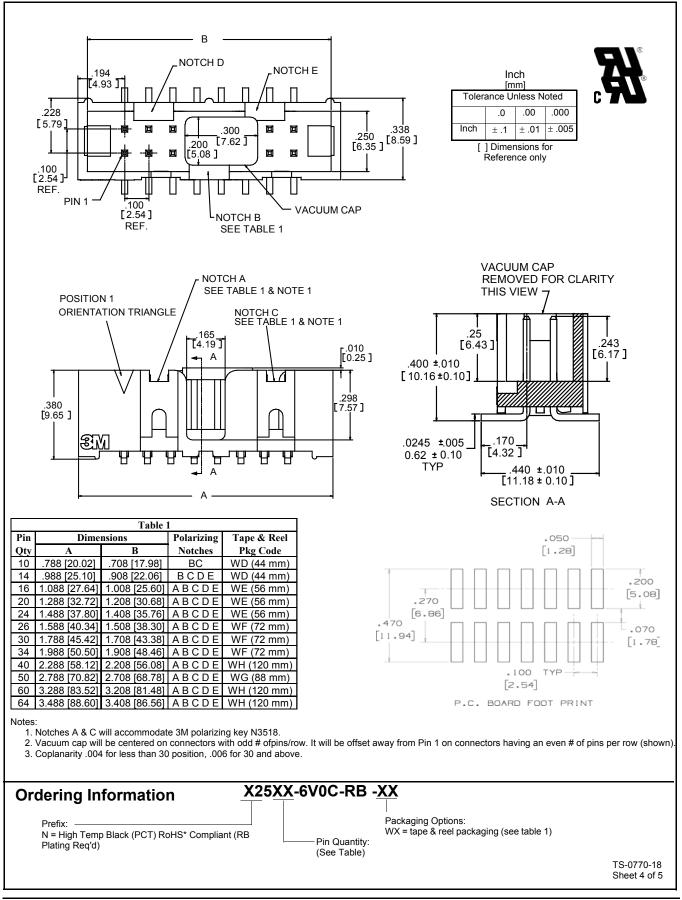
2500 Series



ЭМ

.100" × .100" Low Profile, SMT Straight

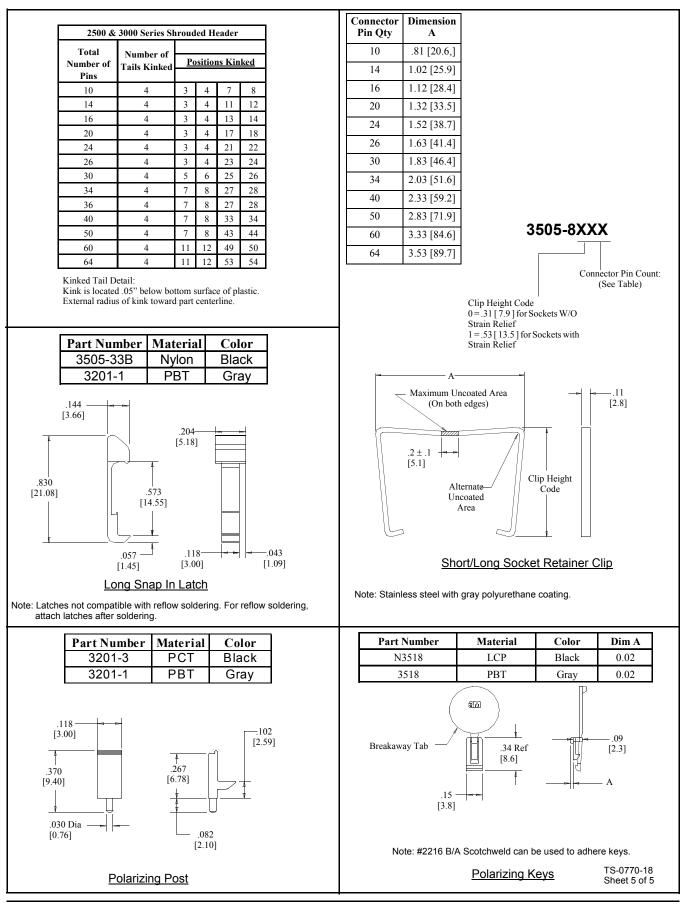




www.D-3M[™] 4-Wall Header

$.100'' \times .100''$ Low Profile, Accessories

2500 Series



3M Interconnect Solutions http://www.3M.com/interconnects/ www.DataSheet4U.com

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.



3M Electronics

6801 River Place Blvd. Austin, TX 78726-9000 800/225-5373 www.3M.com/electronics

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 90 days from the time 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 indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.

Minimum 10% Post-Consumer Fiber

Printed in USA. © 3M 2006