3M[™] 4-Wall Header

 $.100'' \times .100''$ 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

| | TS-0770-19 |
|-----------------------------------|--------------|
| Date Modified: September 20, 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: | $200\mu^{\prime\prime}$ [$5.08\mu m$] 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 $+105^{\circ}$ C **Process Rating:** 260°C, (High Temp and RoHS Compliant versions only), single pass, (profile per J-STD-020C) Moisture Sensitivity Level: 1 (per J-STD-020C)

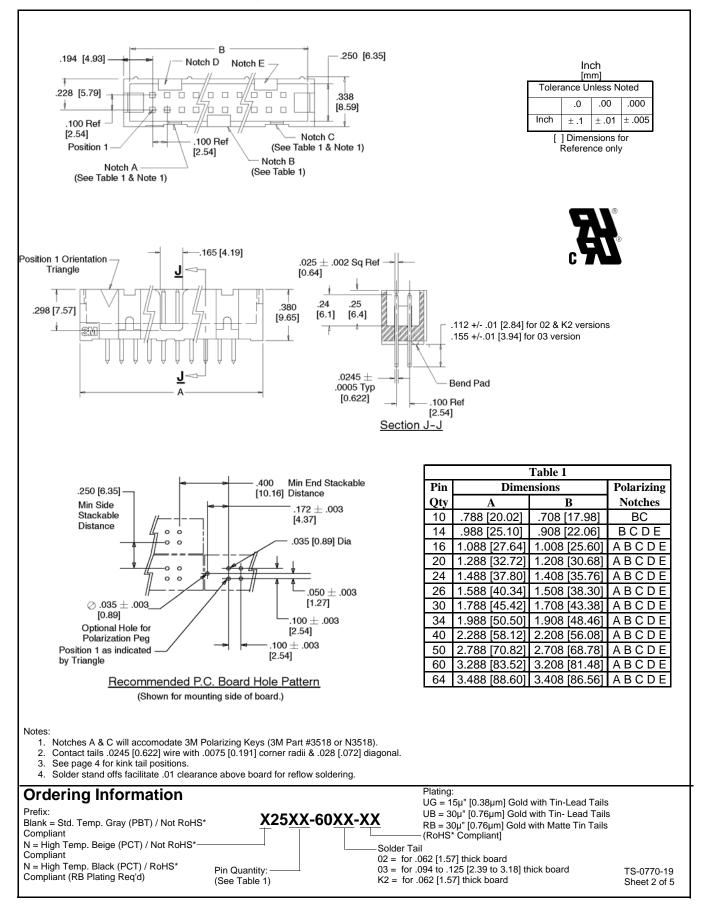
*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment "RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E68080

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3M[™] 4-Wall Header .100" × .100" Low Profile, Straight Thru Hole

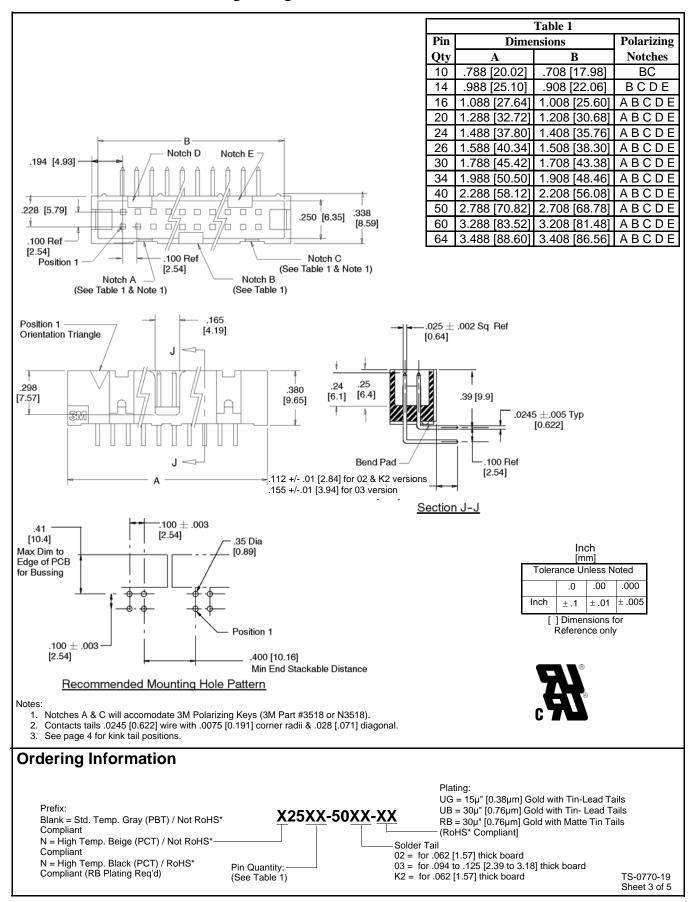


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Interconnect Solutions http://www.3M.com/interconnects/

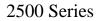
3M[™] 4-Wall Header .100" × .100" Low Profile, Right Angle Thru Hole

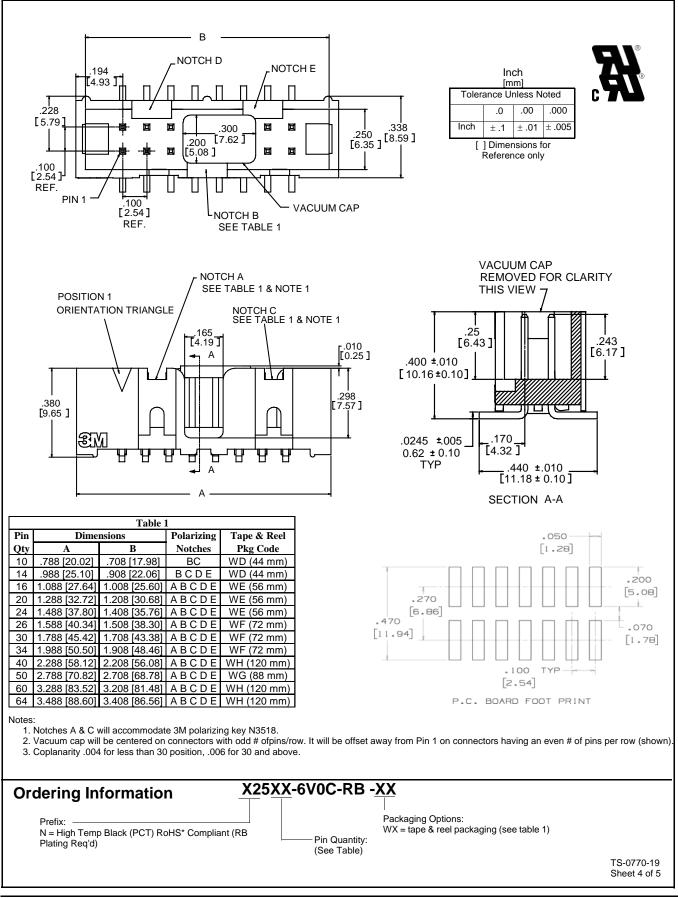
2500 Series



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3M[™] 4-Wall Header .100″×.100″ Low Profile, SMT Straight

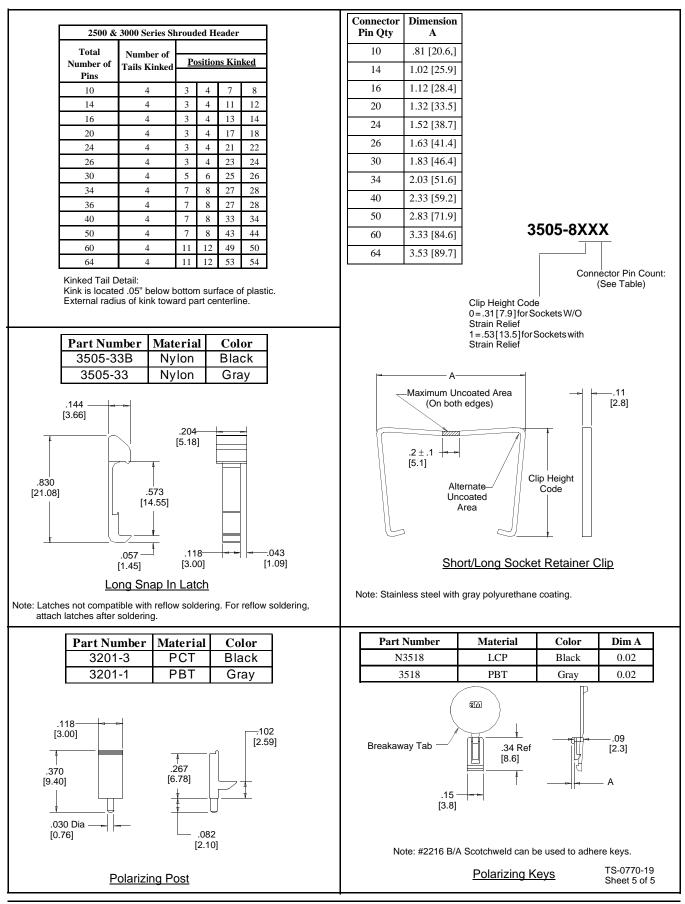




3M[™] 4-Wall Header

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

2500 Series



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Minimum 10% Post-Consumer Fiber

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