3MTM Four-Wall Header .100" x .100" Low Profile, SMT Straight, Straight and Rt Angle Through-Hole

A REAL PROPERTY OF THE REAL PR	 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 6, 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
	• See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of www.3Mconnectors.com for compliance information.
	Date Modified: December 15, 2011 TS-0770-L Sheet 1 of 5

Physical

	Insulator	
Material:	Material	Glass Filled Polyester (PBT), Glass Filled Polyester (PCT) - High Temperature Option
	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:	$200\mu^{\prime\prime}$ [$5.08\mu m$] Tin Lead or Matte Tin (See Ordering Information)
	Marking:	3M Logo, Part Identification Number and Orientation Triangle

Electrical

Current Rating:	 5.00 A, 1 Contact Powered 3.00 A, 6 Contacts Powered 1.75 A, All Contacts Powered Rating Conditions: EIA-364-070 Method 2, 30°C maximum temperature rise, 20% derated. Reference appropriate 3M Product Specification for detailed current derating curves.
Insulation Resistance:	>1 x $10^{9} \Omega$ at 500 V _{DC}
Withstanding Voltage:	1000 V _{RMS} at Sea Level

Environmental

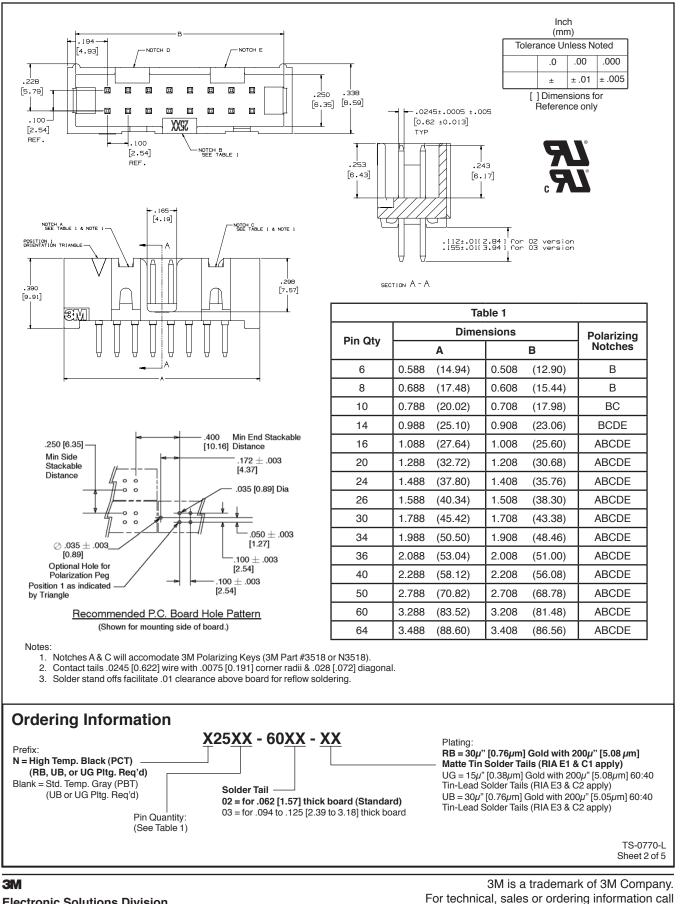
Temperature Rating:	-55°C to +105°C
Process Rating:	High Temp PCT insulator version: 260°C, per J-STD-020C, single pass PBT insulator version: 191°C, maximum insulator temperature, solder wave process only
Moisture Sensitivity Level:	1 (per J-STD-020C)

UL File No.: E68080

3M[™]Four-Wall Header

.100" x .100" Low Profile, Straight Through-Hole

2500 Series



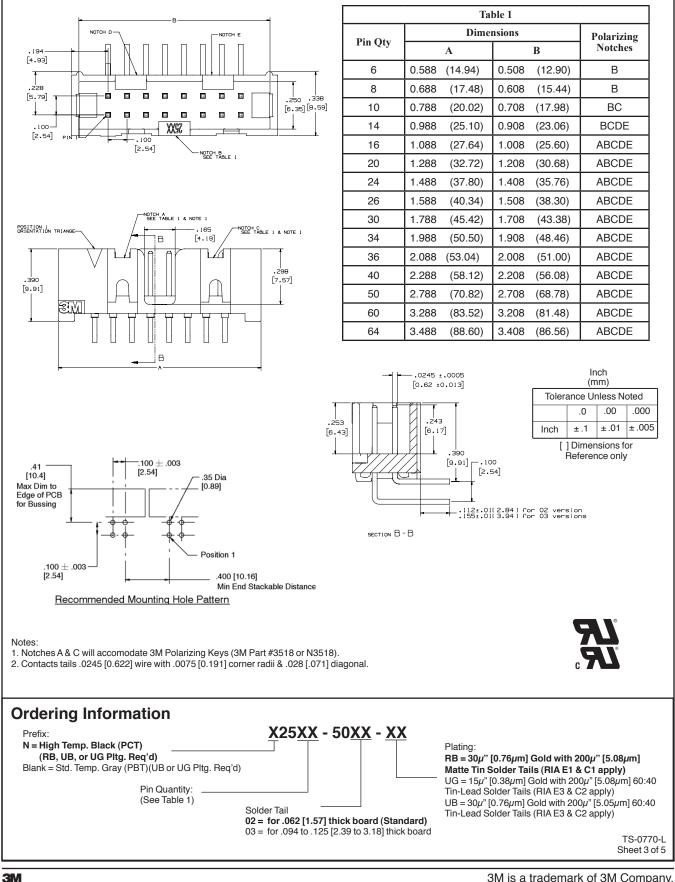
Electronic Solutions Division Interconnect Solutions http://www.3Mconnectors.com

800-225-5373

3M[™]Four-Wall Header

.100" x .100" Low Profile, Right Angle Through-Hole

2500 Series



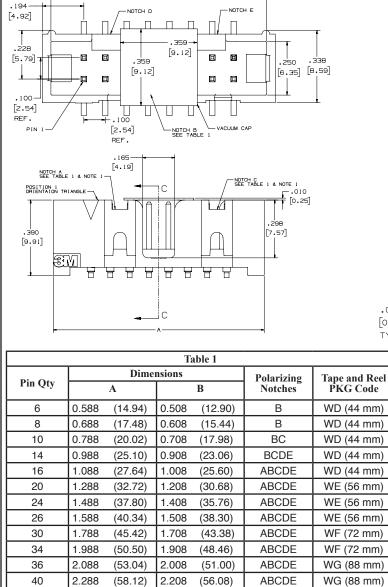
Electronic Solutions Division Interconnect Solutions http://www.3Mconnectors.com

3M

For technical, sales or ordering information call 800-225-5373

3M[™]Four-Wall Header

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



2.708

3.208

3.408

Pin Quantity:

(See Table)

(68.78)

(81.48)

(86.56)

(70.82)

(83.52)

(88.60)

1. Notches A & C will accommodate 3M Polarizing Key N3518.

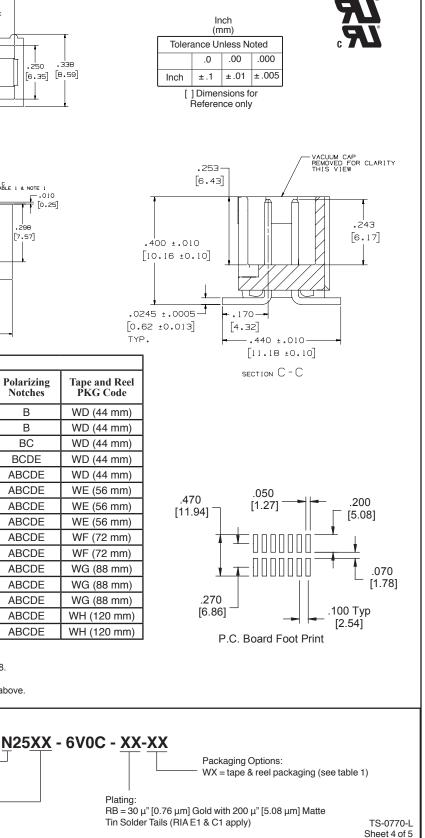
3. Coplanarity .004 for less than 30 position, .006 for 30 and above.

N = High Temp Black (PCT) (RB Plating Req'd)

ABCDE

ABCDE

ABCDE



3M **Electronic Solutions Division** Interconnect Solutions http://www.3Mconnectors.com

2.788

3.288

3.488

2. Vacuum cap will be centered on connectors.

Ordering Information

Prefix:

50

60

64

Notes:

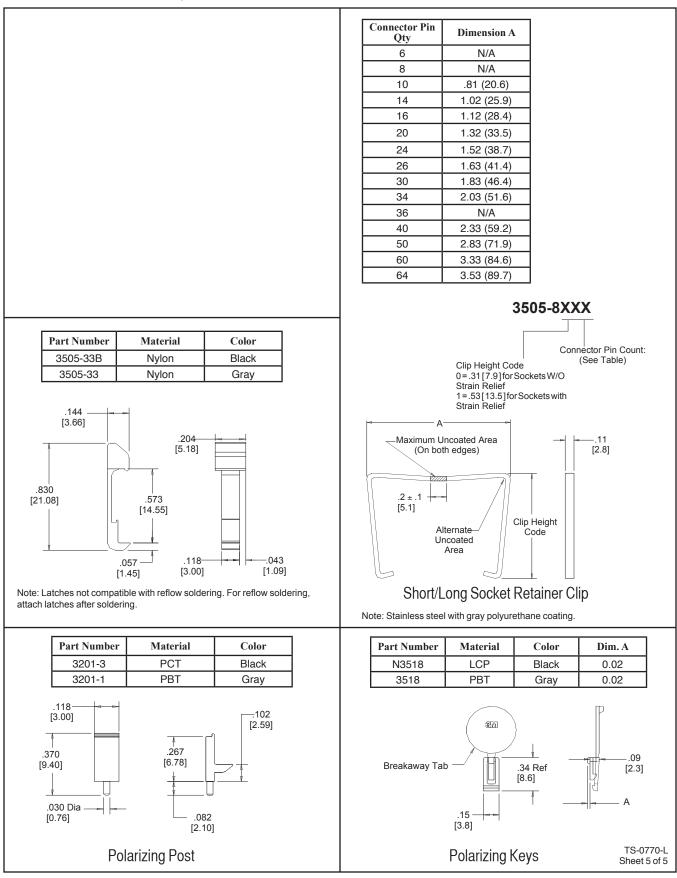
3M is a trademark of 3M Company. For technical, sales or ordering information call 800-225-5373

2500 Series

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

.100" x .100" Low Profile, Accessories

2500 Series



ЗМ

Electronic Solutions Division Interconnect Solutions http://www.3Mconnectors.com 3M is a trademark of 3M Company. For technical, sales or ordering information call 800-225-5373

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 one (1) year 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.



3M Electronics Solutions Division 6801 River Place Blvd. Austin, TX 78726-9000 U.S.A. 1-800-225-5373 www.3m.com/interconnects

Please recycle. Printed in USA. © 3M 2011. All rights reserved. RIA-2217B-E