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

2500 Series



Physical

Insulator	
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:	$>1 \text{ x } 10^{9} \Omega at 500 V_{_{DC}}$
Withstanding Voltage:	1000 V _{RMS} at Sea Level

Environmental

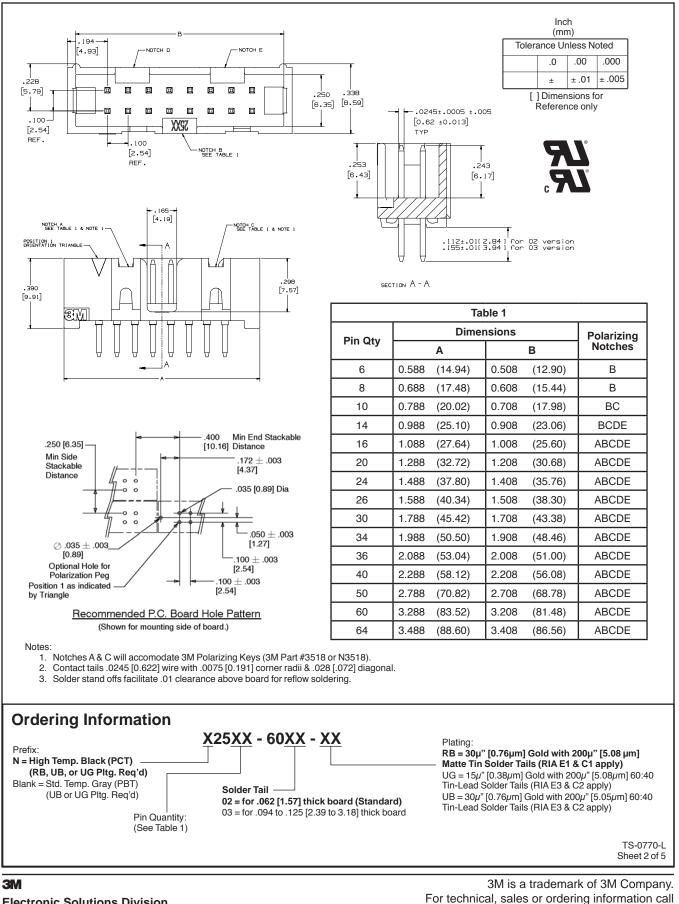
Temperature Rating:	-55° C to $+105^{\circ}$ C
Process Rating:	High Temp PCT insulator version: 260°C, per J-STD-020C, single pass PBT insulator version: 191°C, maximum insulator temperature, solder wave process only
Moisture Sensitivity Level:	1 (per J-STD-020C)

UL File No.: E68080

3M[™]Four-Wall Header

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

2500 Series



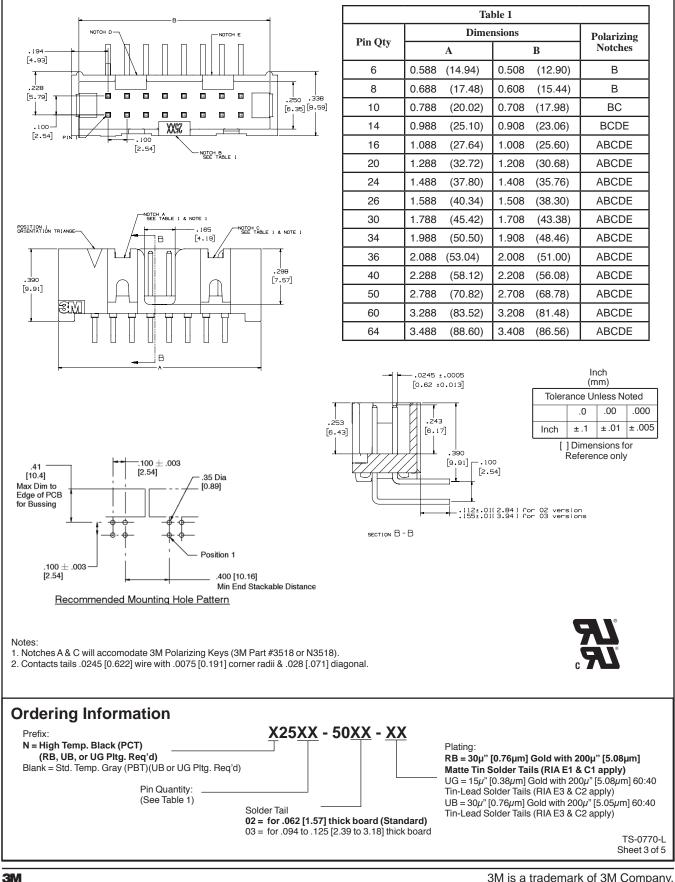
Electronic Solutions Division Interconnect Solutions http://www.3Mconnectors.com

800-225-5373

3M[™]Four-Wall Header

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

2500 Series



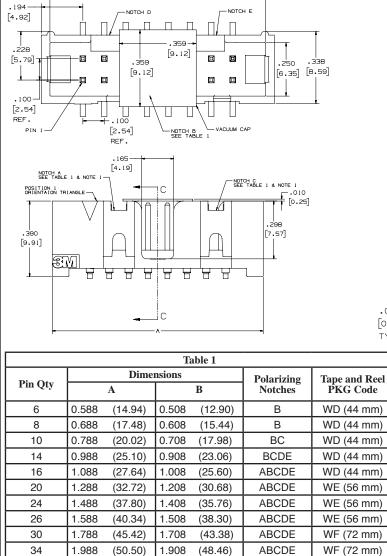
Electronic Solutions Division Interconnect Solutions http://www.3Mconnectors.com

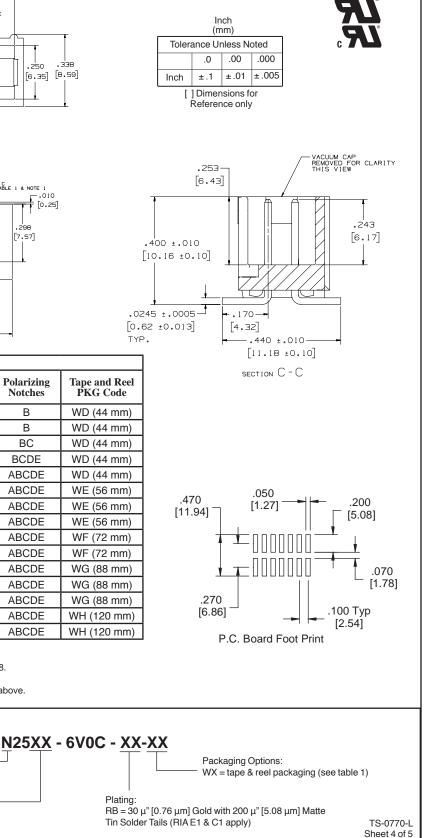
3M

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

3M[™]Four-Wall Header

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





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3M

36

40

50

60

64

Notes:

2.088

2.288

2.788

3.288

3.488

2. Vacuum cap will be centered on connectors.

Ordering Information

Prefix:

(53.04)

(58.12)

(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)

2.008

2.208

2.708

3.208

3.408

Pin Quantity:

(See Table)

(51.00)

(56.08)

(68.78)

(81.48)

(86.56)

ABCDE

ABCDE

ABCDE

ABCDE

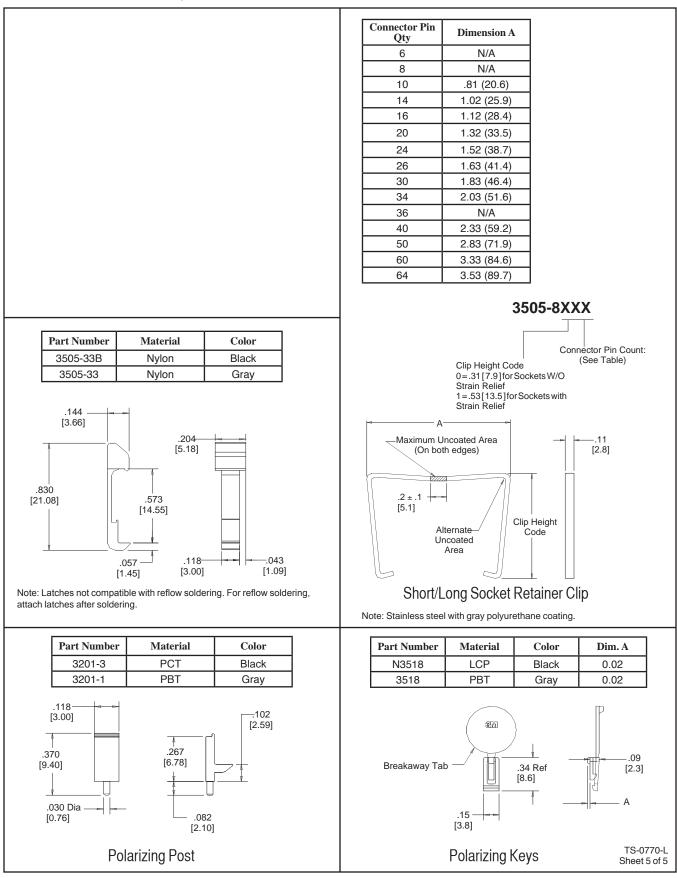
ABCDE

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

.100" x .100" Low Profile, Accessories

2500 Series



ЗМ

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