3M[™] Four-Wall Header

.100" x .100" Low Profile, SMT Straight, Straight and Rt Angle Through-Hole

D2500 Series



- · Low profile, space saving design
- Center slot polarization designed to prevent misinsertions and reduce 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 vibrationprone environments
- High temperature insulator suitable for "no lead" soldering operations
- High temperature insulator in through-hole version suitable for "paste in hole" reflow soldering
- Exposed solder tails (on right angle version) are designed to provide ease of cleaning and help reduce repair costs
- Straight surface mount version available
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnectors.com for compliance information

Date Modified: December 15, 2011

TS-2244-F Sheet 1 of 5

Physical

Insulator

Material: High Temp Glass Filled Polyester (PCT)

Flammability: UL 94V-0

Color: Black (PCT)

Contact Material: Brass

Plating

Underplating: $50-100 \mu$ " [1.25μ m] Ni Wiping Area: 10μ " [0.25μ m] Gold

Solder Tails: $40 - 120 \mu$ " [$1-3 \mu$ m] Matte Tin

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: $>1 \times 10^{9} \Omega$ at 500 V_{DC} Withstanding Voltage: $1,000 \text{ V}_{RMS}$ at Sea Level

Environmental

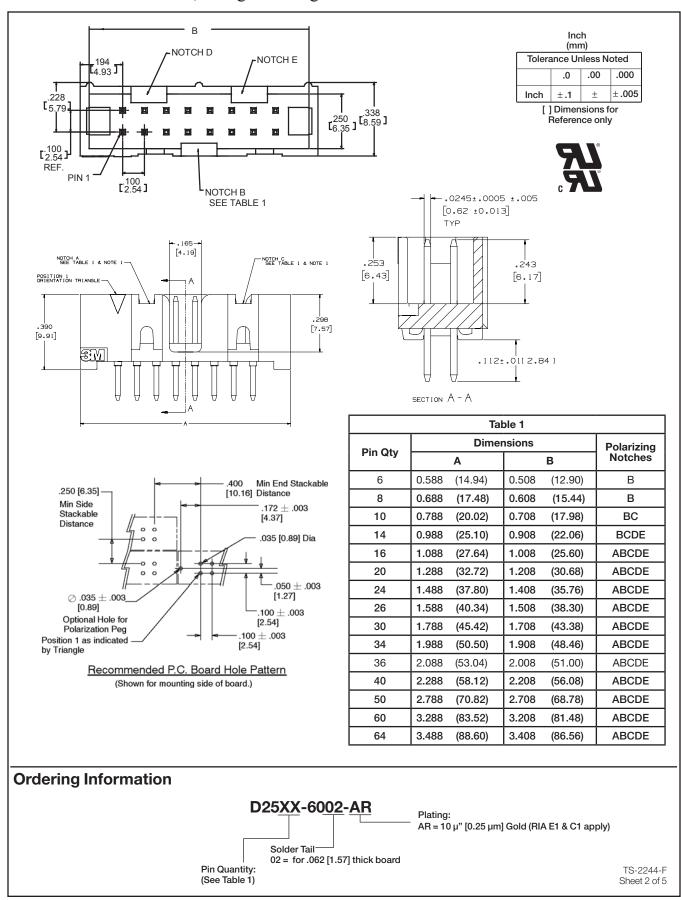
Temperature Rating: -55°C to +105°C

Process Rating: 260°C single pass (profile per J-STD-020C)

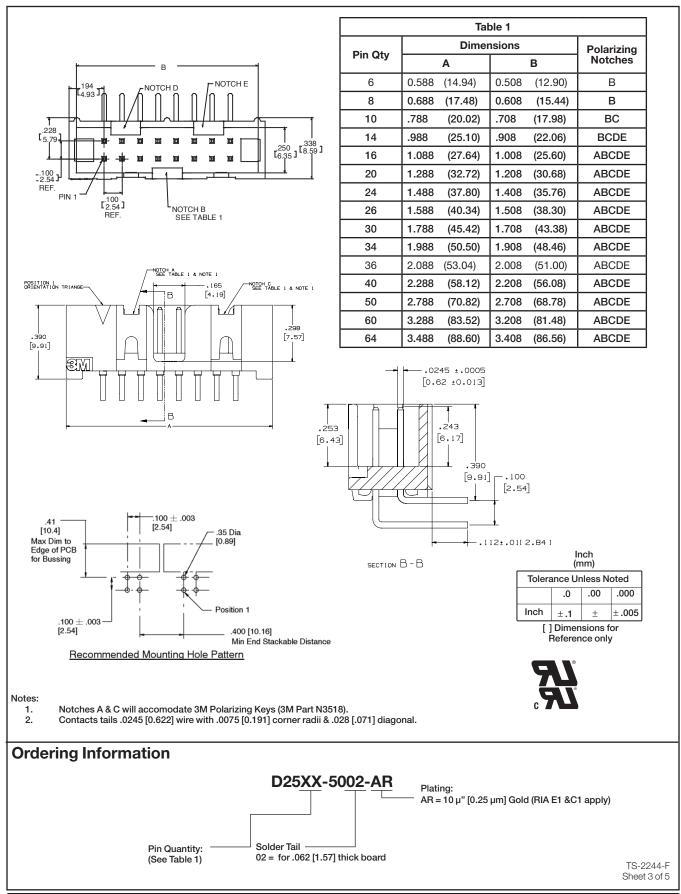
Moisture Sensitivity Level: 1 (per J-STD-020C)

UL File No.: E68080

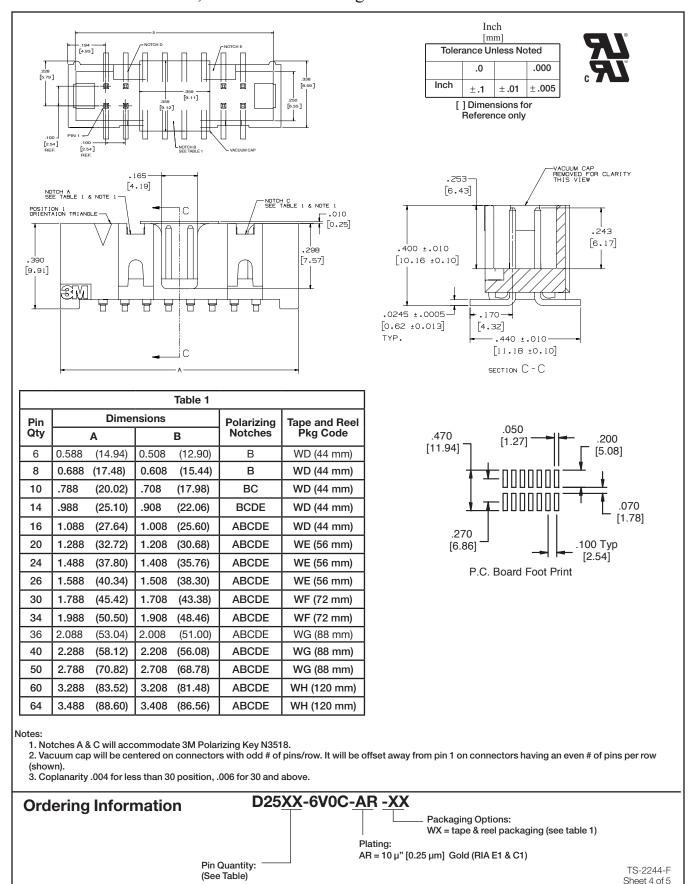
.100" x .100" Low Profile, Straight Through-Hole



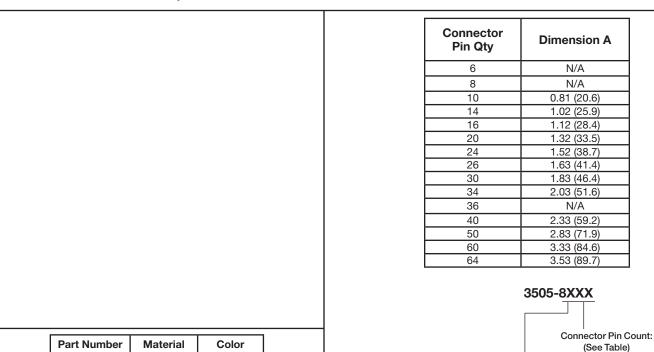
.100" x .100" Low Profile, Right Angle Through-Hole

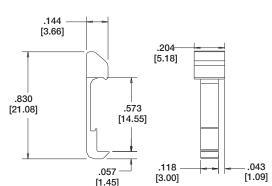


.100" x .100" Low Profile, Surface Mount Straight



.100" x .100" Low Profile, Accessories





Nylon

Black

3505-33B

Note: Latches not compatible with reflow soldering. For reflow soldering, attach latches after soldering.

.144 — [3.66]	-						
4	_	.204 [5.18]					
.830 [21.08]	.573 [14.55]					
•							
	.057 — ¹ [1.45]	.118 — [3.00]	.043 [1.09]				
Long Snap In Latch							

	3201-3	PCT	Black			
.11 [3.0 	0 Dia -	.267 [6.78]				
Polarizing Post						

A — Maximum Uncoated Area (On both edges)	.11 [2.8]
.2±.1 Short/Long Socket F	Clip Height Code

Material

Part Number

Clip Height Code 0 = .31 [7.9] for Sockets W/O Strain Relief 1 = .53 [13.5] for Sockets with Strain Relief

	N3518	LCP	Black	0.02		
ı	Breakaway Tab — .1! [3.4	8]		09 [2.3]		
Note: 3M™ Scotch-Weld™ Epoxy Adhesive 2216 B/A						
		Polarizin	ng Keys	TS-22 Sheet		

Color

Dim A

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