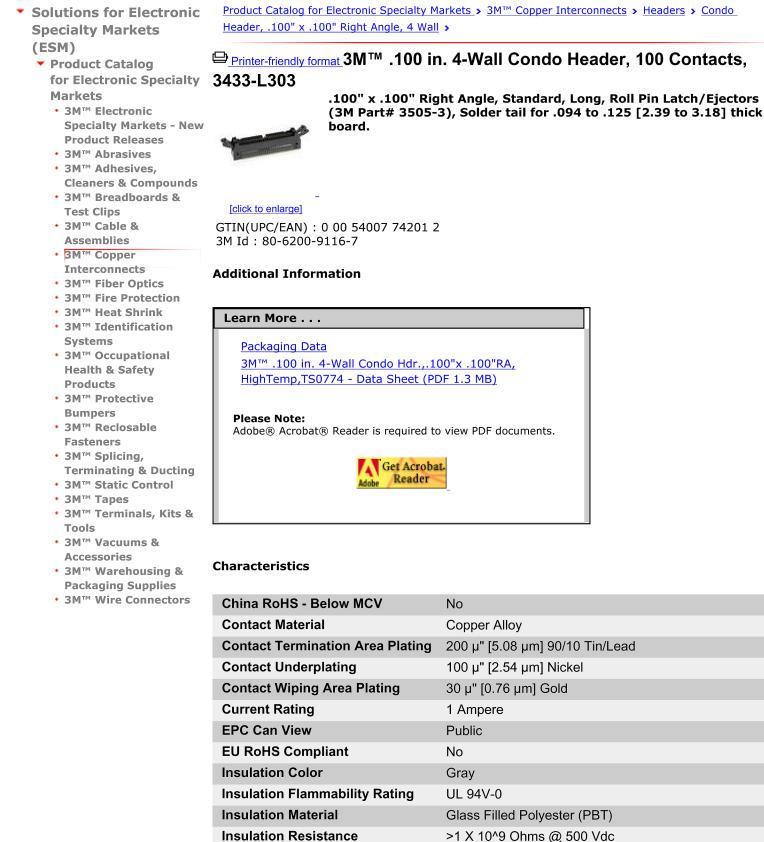
3M United States

3M Worldwide : United States : Electronics Manufacturing



Interface Grid

Printer-friendly format 3M[™] .100 in. 4-Wall Condo Header, 100 Contacts,

.100" x .100"

Interface Style	Header (Rectangular Plug)
Latch/Ejector Type	Long, Roll Pin Latch/Ejectors
Markings	3M Logo, Part Identification Number and Orientation Triangle
Mounting Option	None
Non-Operating Temperature	-55 to 105 Degree Celsius
Number of Contact Rows	4
Number of Contacts	50
Number of Walls	4
Orientation	Horizontal
Pitch	0.100 Inch
Polarization	None
Primary Trademark Name	ЗМ
Separable	Yes
Tail Length	.155 Inch
Termination Method	Solder Tail
Termination Style	Printed Circuit Board
Withstanding Voltage	1000 Vrms at Sea Level

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3M[™] Four-Wall Condo Header

$.100'' \times .100''$ Right Angle

3000 Series



Inculator

- Stacked pins conserve space on the circuit board allowing higher density packaging
- Pin quantity to 128 gives design flexibility with latching
- "HDI" alternative
- Accepts standard IDC sockets
- Mates with standard flat cable harnesses
- Optional high temperature insulator suitable for "no lead" soldering operations
- High temperature option suitable for reflow soldering using "paste in hole" techniques
- See Regulatory Information Appendix for chemical compliance information

Date Modified: January 31, 2007

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Physical

Insulator	
Material:	Glass Filled Polyester (PBT), Glass Filled Polyester (PCT) - High Temp. Option
Flammability:	UL 94V-0
Color:	Gray (PBT), Beige (PCT), Black (PCT)
Contact	
Material:	Copper Alloy
Plating	
Underplating:	100 μ" [2.54 μm] Nickel - Overall
Wiping Area:	30 µ" [0.76 µm] Gold
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

Environmental

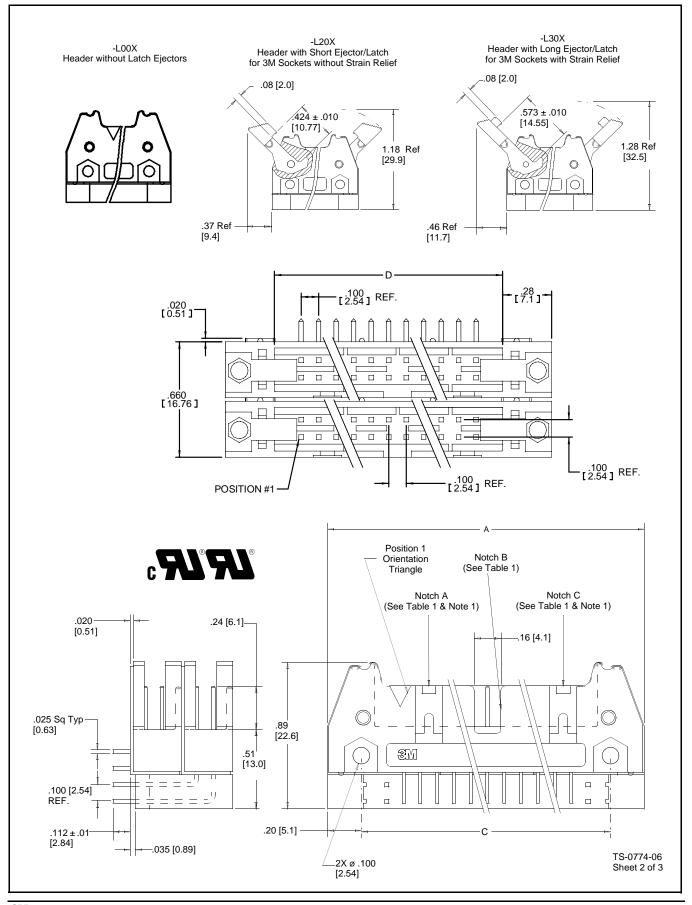
Temperature Rating:-55°C to +105°CProcess Rating:260°C - (High Temp PCT insulator verson), single pass, (profile per J-STD-020C)
(PBT insulator version), maximum insulator temperature 191°C (solder wave pro-
cess only)Moisture Sensitivity Level:1 (per J-STD-020C) High Temp. (PCT) versions only

UL File No.: E68080

3M[™] Four-Wall Condo Header

$.100'' \times .100''$ Right Angle

3000 Series

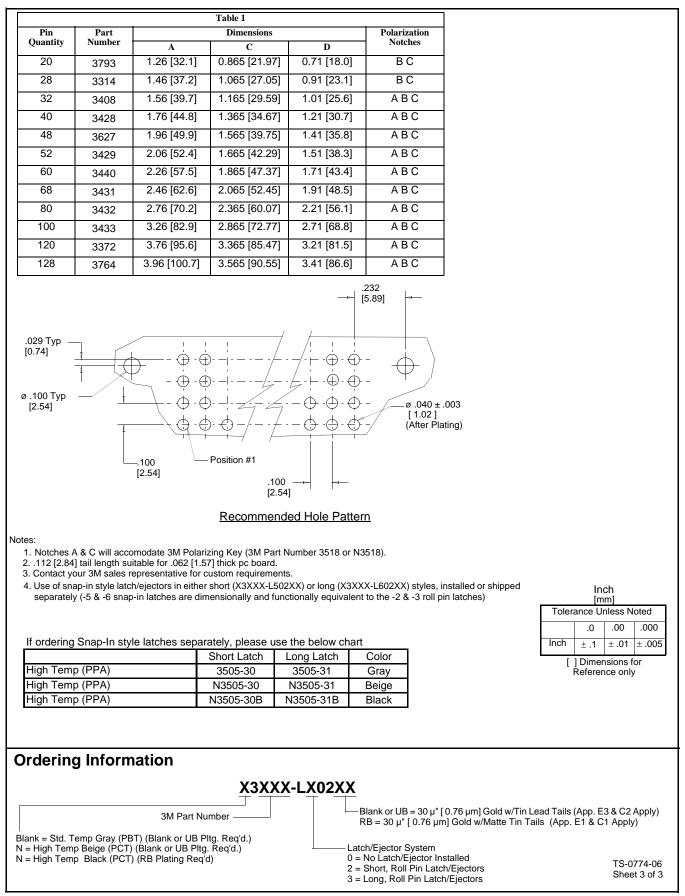


SM Interconnect Solutions http://www.3M.com/interconnects/

3M[™] Four-Wall Condo Header

$.100'' \times .100''$ Right Angle

3000 Series



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