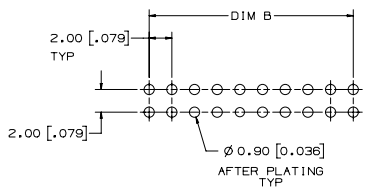
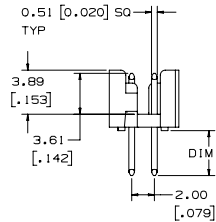
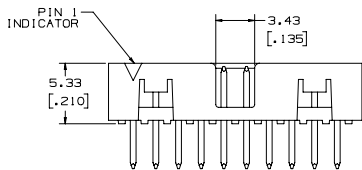
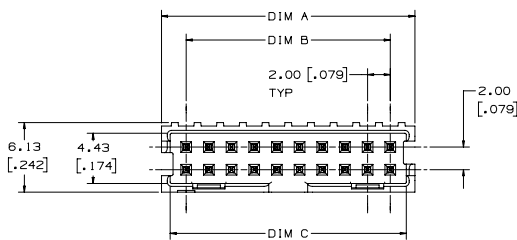
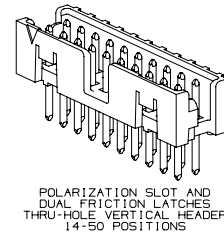
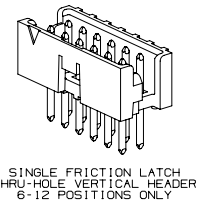
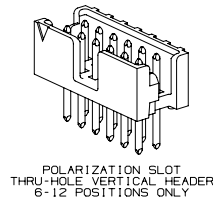


3M™ Shrouded Board Mount Header 2 mm X 2 mm Pitch 159 Series, Standard Length [3] and Extended Length [4]



RECOMMENDED PCB HOLE PATTERN  
TOLERANCE = 0.05 ( .002 )



PERFORMANCE [5][7]	
CURRENT:	1A, 6 LINES ENERGIZED
INSULATION RESISTANCE:	>1 X 10 <sup>8</sup> OHMS AT 500 VDC
WITHSTANDING VOLTAGE:	500 VAC-rms AT SEA LEVEL
TEMPERATURE RATING:	-55° C TO +105° C
SOLDER PROCESS TEMPERATURE:	260° C MAX PER IPC/JEDEC J-STD-020D

REFERENCE TABLE ON SHEET 4  
FOR AVAILABLE POSITIONS AND  
SOLDER TAIL LENGTHS

METRIC ( ENGLISH )

NOTES

- MATERIAL:  
BODY: HIGH TEMPERATURE  
GLASS FILLED LCP, BLACK  
UL94V-0  
CONTACTS: COPPER ALLOY
- PLATING:  
2.03-3.81  $\mu\text{m}$  (80-150  $\mu\text{in}$ )  
NICKEL UNDERPLATE,  
0.38  $\mu\text{m}$  (15  $\mu\text{in}$ ) OR  
0.76  $\mu\text{m}$  (30  $\mu\text{in}$ ) AVG GOLD  
ON WIRING AREA,  
5.08  $\mu\text{m}$  (200  $\mu\text{in}$ ) MIN  
MATTE TIN ON SOLDER TAILS.
- STANDARD LENGTH HEADERS  
MATE WITH 3M™ SOCKETS,  
159 SERIES (REFERENCE 3M  
DRAWING 78-5100-2358-91).
- EXTENDED LENGTH HEADERS  
MATE WITH 3M™ SOCKETS,  
870 SERIES.
- FOR PRODUCT  
SPECIFICATIONS AND  
WARRANTY INFORMATION SEE  
3M 78-5102-0078-1.
- SEE THE REGULATORY  
INFORMATION APPENDIX (RIA)  
IN THE "RoHS COMPLIANCE"  
SECTION OF  
WWW.3MCONNECTOR.COM FOR  
COMPLIANCE INFORMATION  
(RIA E1 & C1 APPLY).
- IN THE EVENT OF CONFLICT  
BETWEEN THIS DATA AND  
THAT CONTAINED IN THE  
PRODUCT SPECIFICATION,  
THE PRODUCT SPECIFICATION  
TAKES PRECEDENT.

DESIGN REFERENCE	REV	ISSUE DATE AND DESCRIPTION	INITIAL RELEASE	LD5	SF
	001	02 28-2010	02 28-2010		
DESIGNER	BY	DATE	DATE	DATE	DATE
	BY	02 28-2010	02 28-2010	02 28-2010	02 28-2010
OTHER	DATE	DATE	DATE	DATE	DATE
SCALE	TOLERANCES				
1:1	UNLESS OTHERWISE NOTED	3M SHROUDED BOARD MOUNT HEADER 2 MM X 2 MM PITCH 159 SERIES PART NUMBER: 78-5100-2359-7 DATE SIZE DRAWING NO.: REVISION: 001 SHEET 1 OF 4			
THRU-HOLE PROJECTION	INCHES				
OUTER DIAMETER	MILLIMETERS				
MAX SURFACE ROUGHNESS	INCHES				
125	0.013				
ALL SURFACES	0.000				
REWORKED ONLY	0.000				

18-100-2359-7

A

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