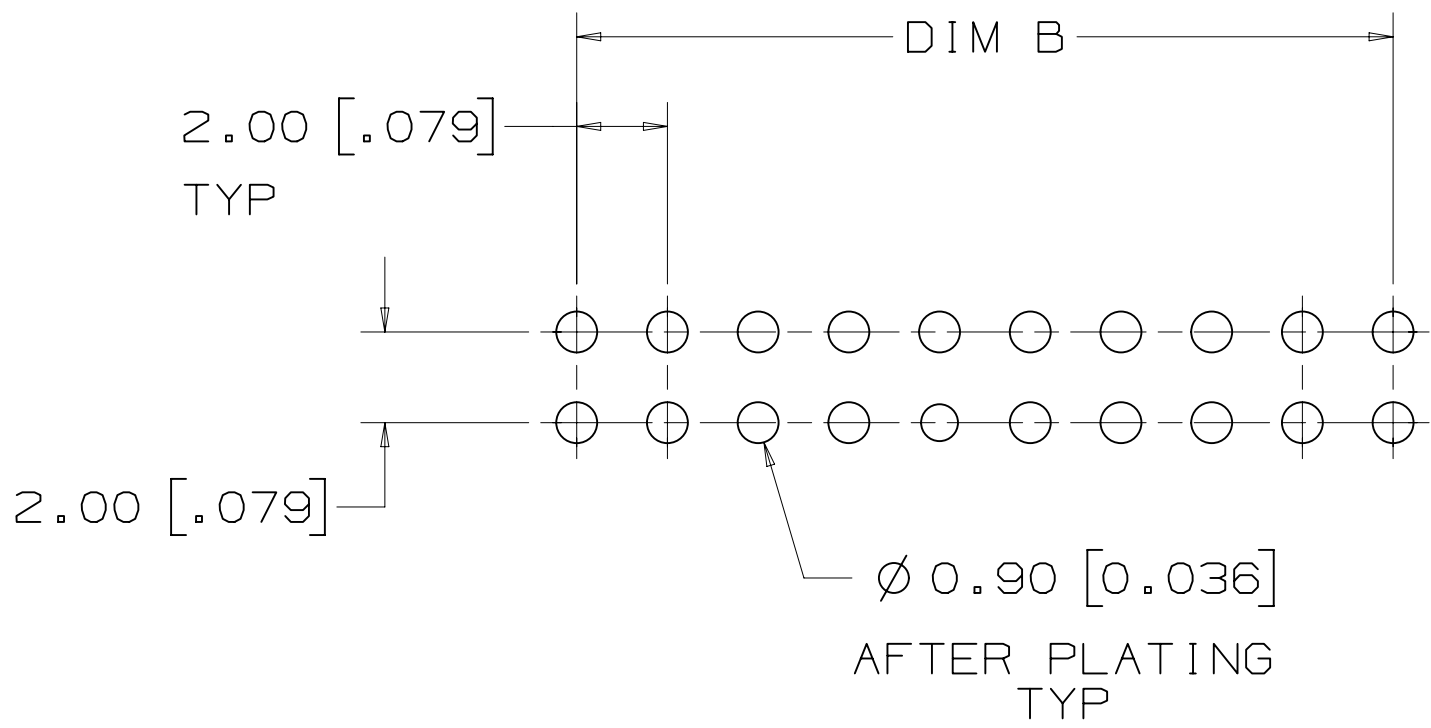
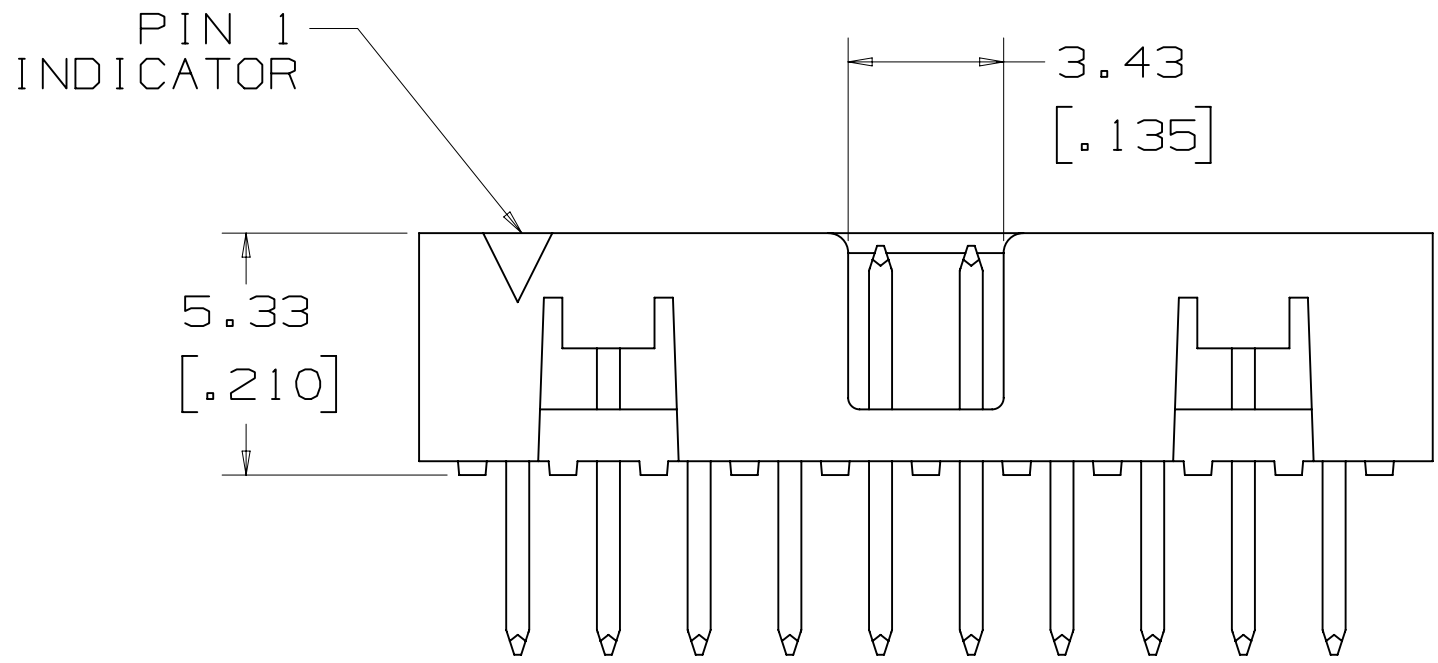
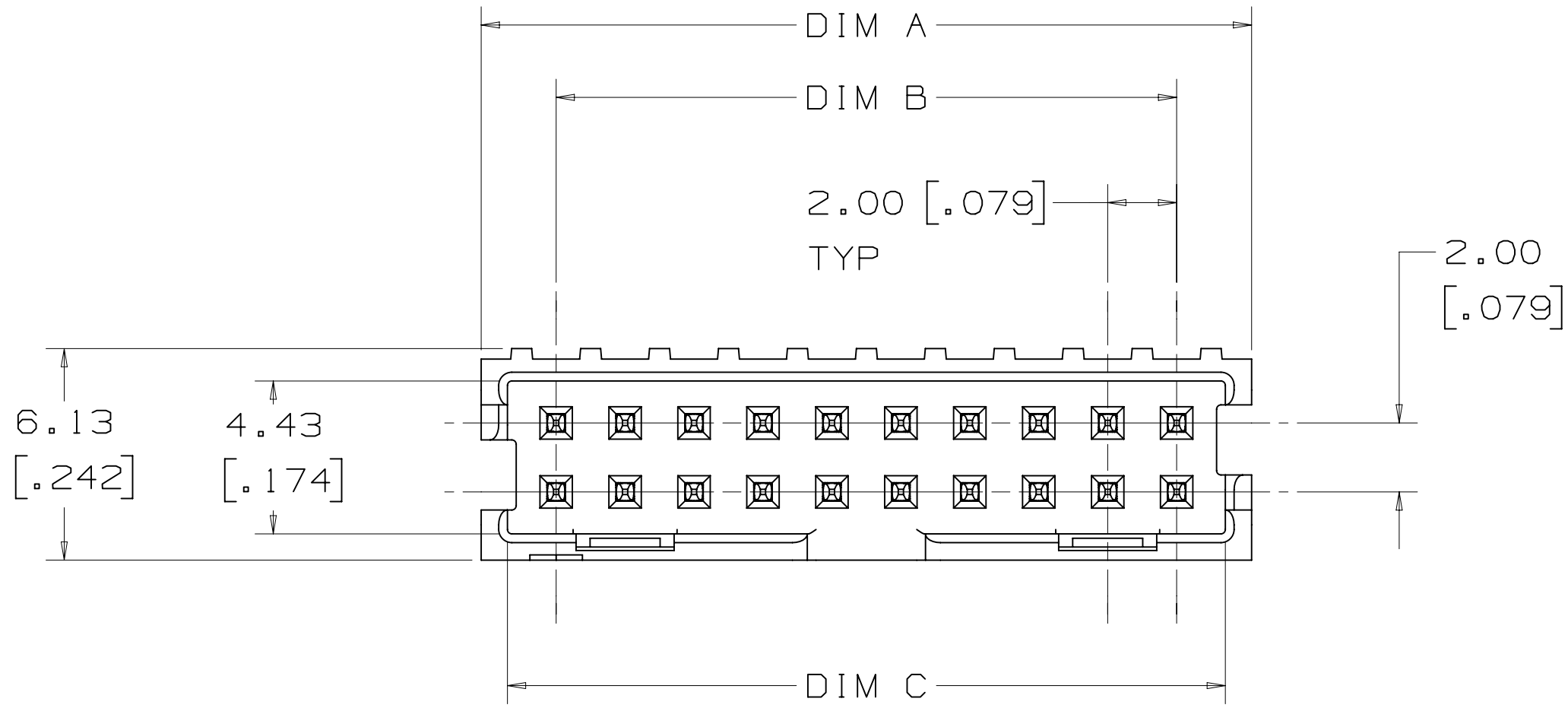
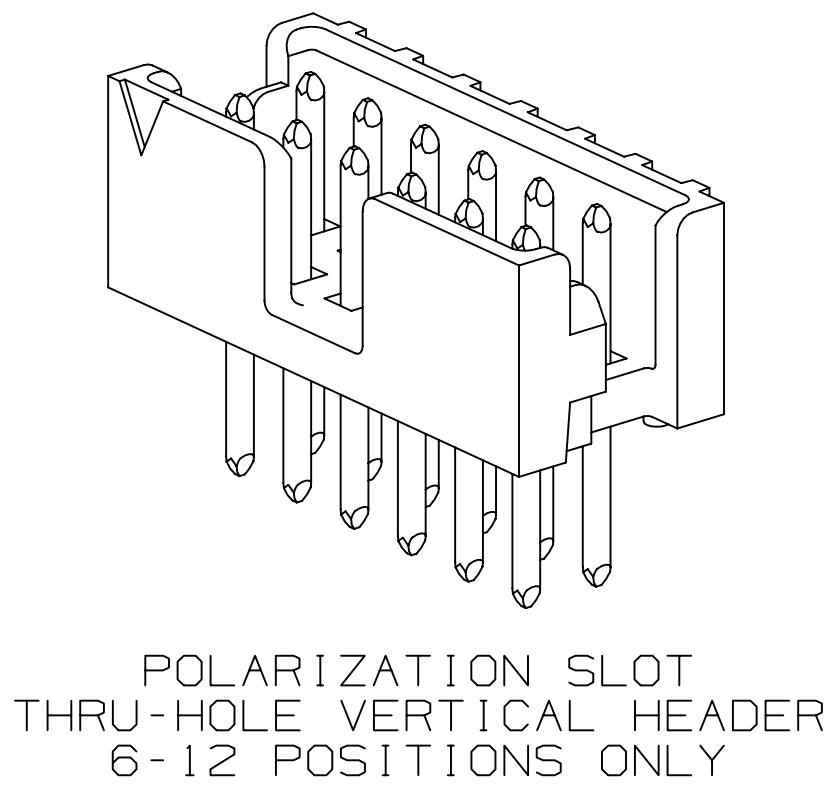


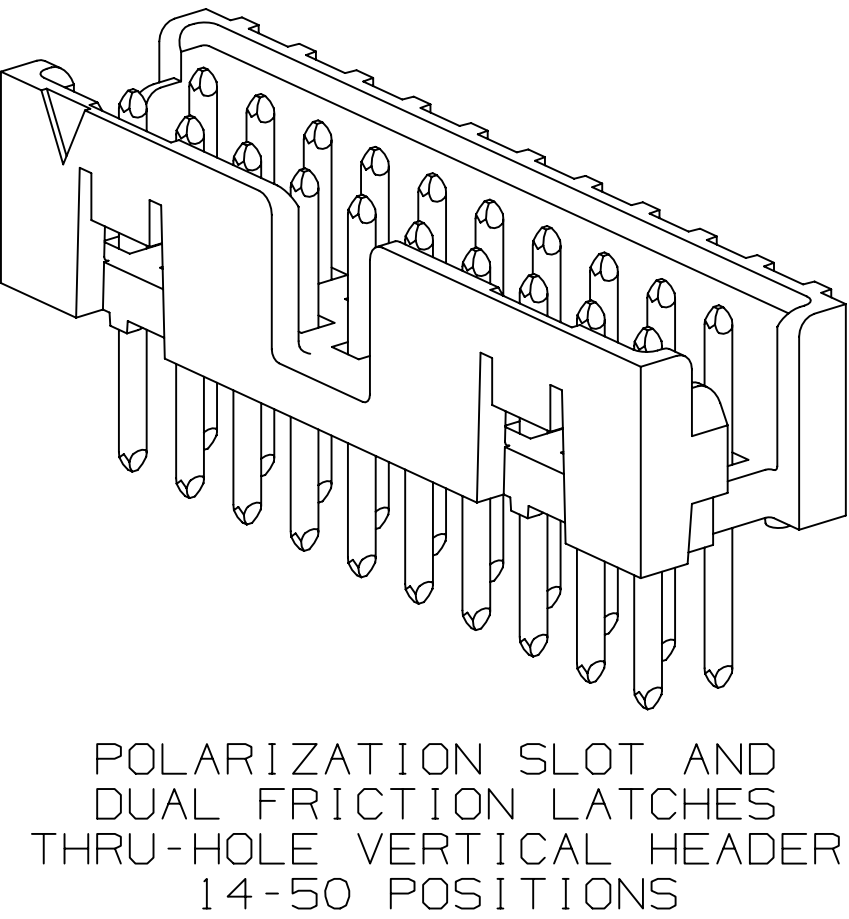
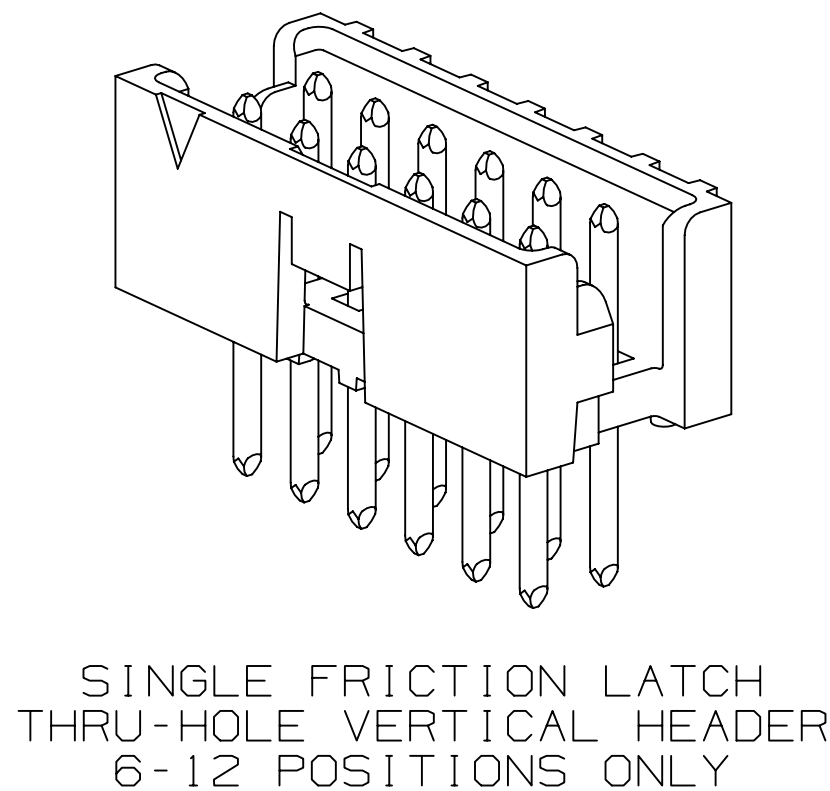
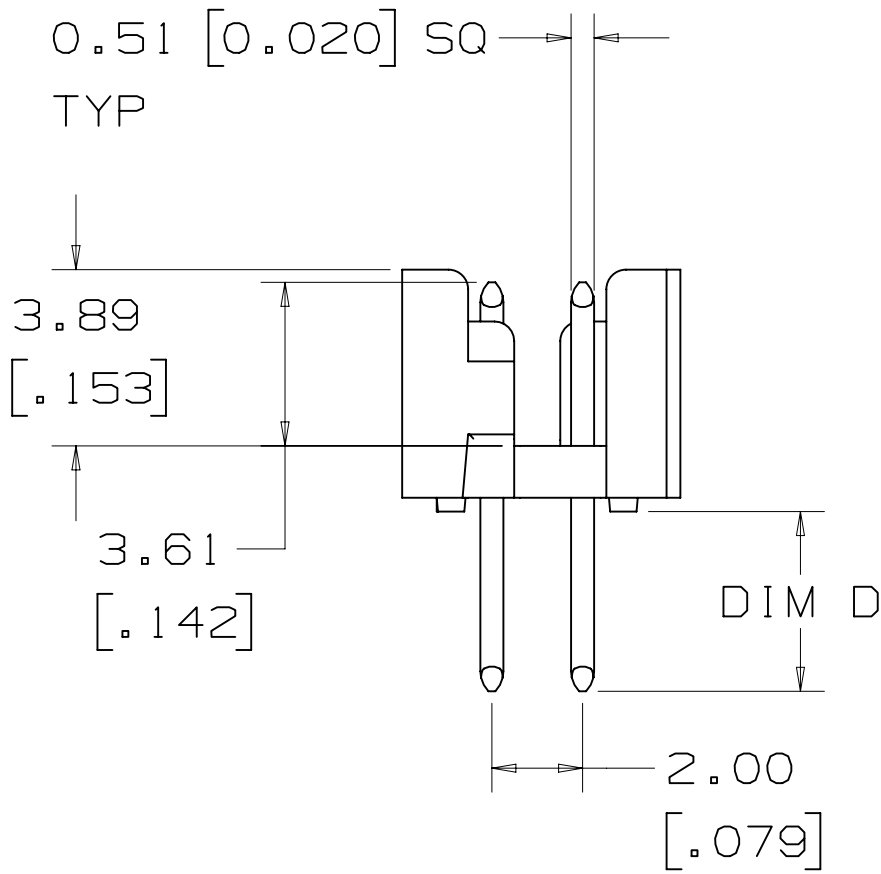
3M™ Shrouded Board Mount Header 2 mm X 2 mm Pitch 159 Series, Standard Length [3] and Extended Length [4]



RECOMMENDED PCB HOLE PATTERN TOLERANCE = 0.05 [.002]



2.00
[.079]



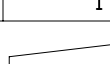
PERFORMANCE [5] [7]

CURRENT:	1A, 6 LINES ENERGIZED
INSULATION RESISTANCE:	>1 X 10 ⁹ OHMS AT 500 VDC
WITHSTANDING VOLTAGE:	500 VACrms AT SEA LEVEL
TEMPERATURE RATING:	-55° C TO +105° C
SOLDER PROCESS TEMPERATURE:	260° C MAX PER IPC/JEDEC J-STD-020D

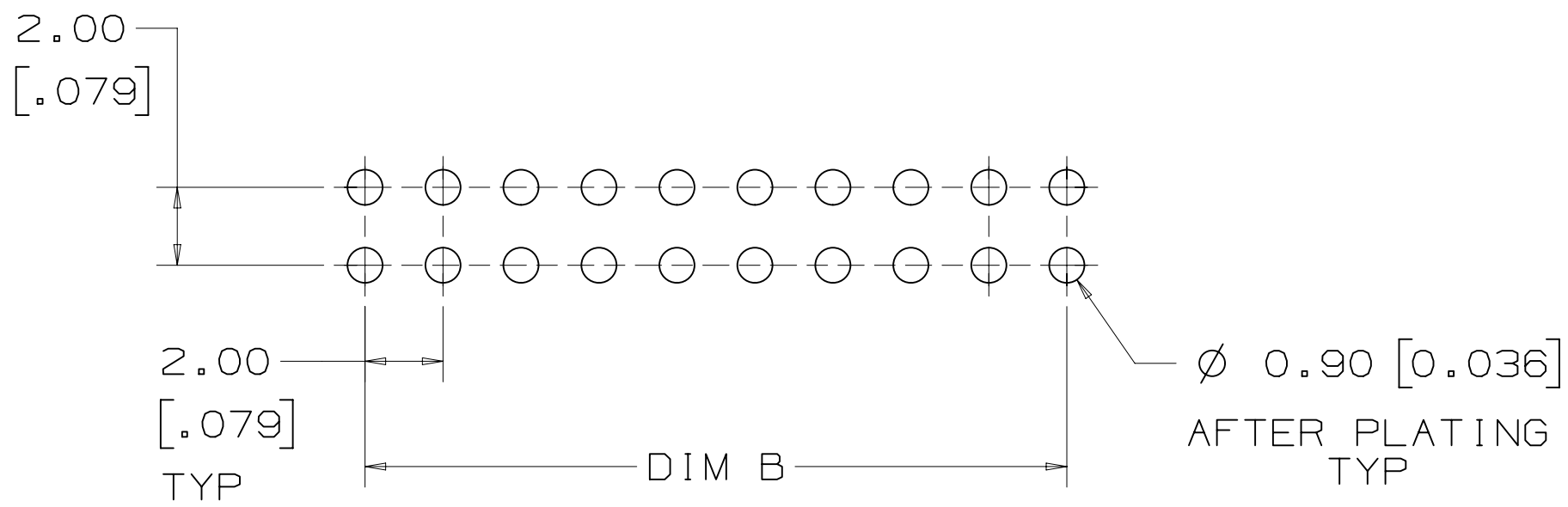
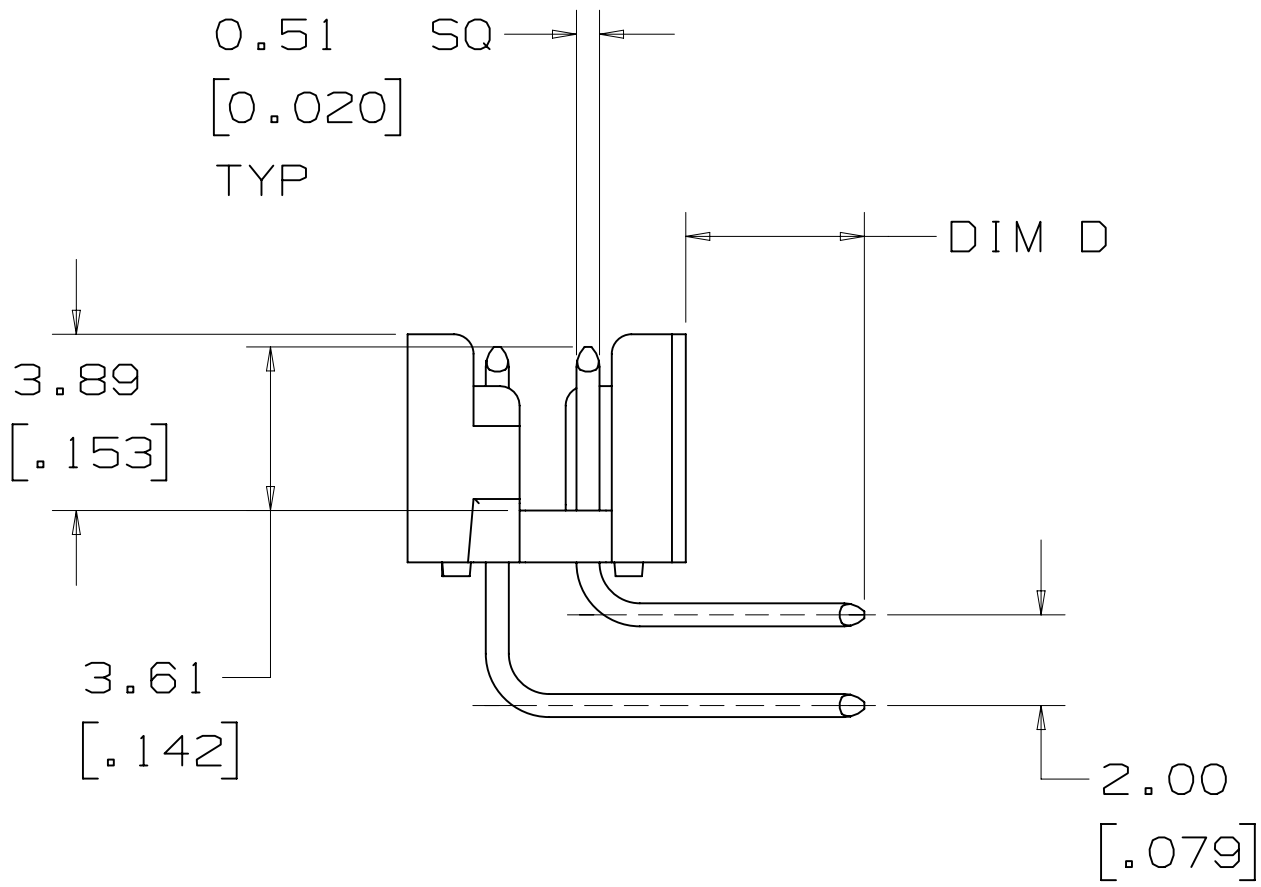
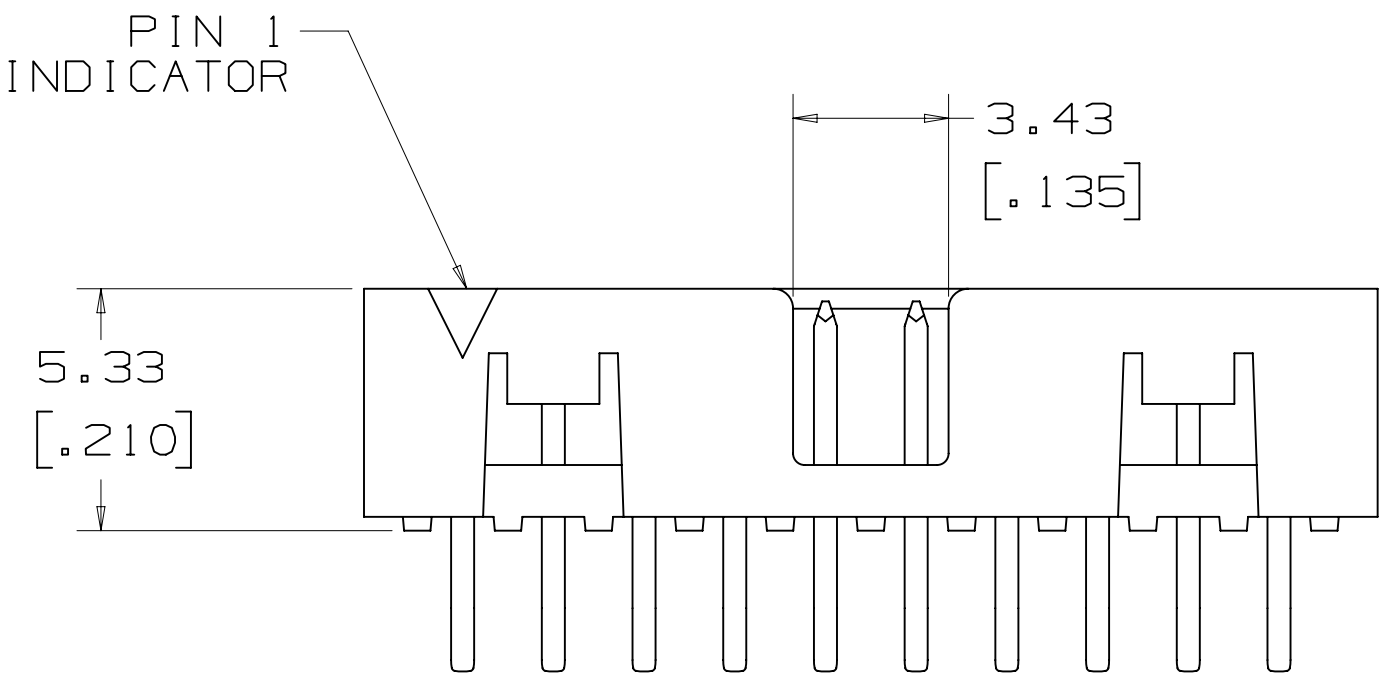
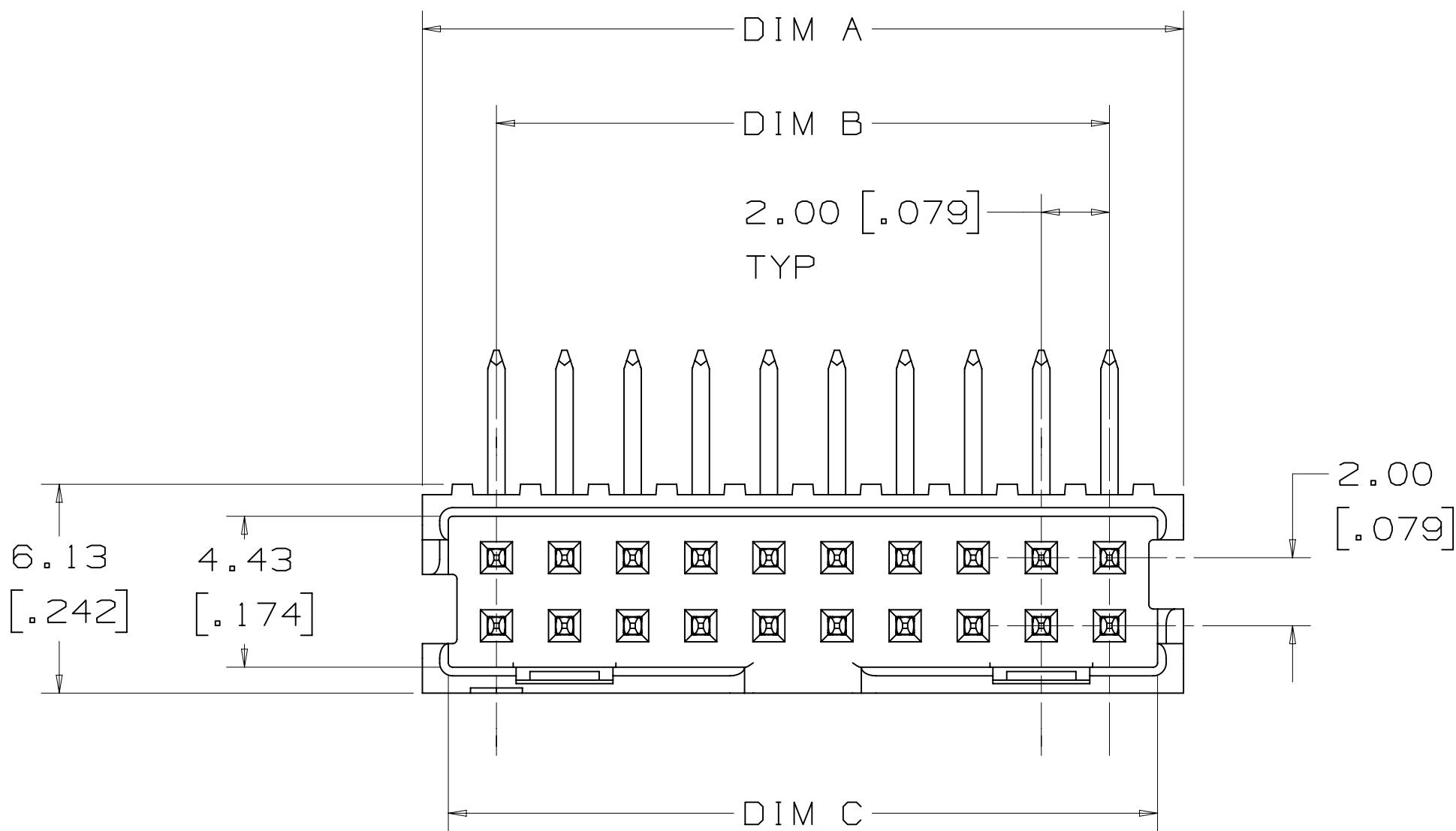
REFERENCE TABLE ON SHEET 4 FOR AVAILABLE POSITIONS AND SOLDER TAIL LENGTHS

METRIC [ENGLISH]

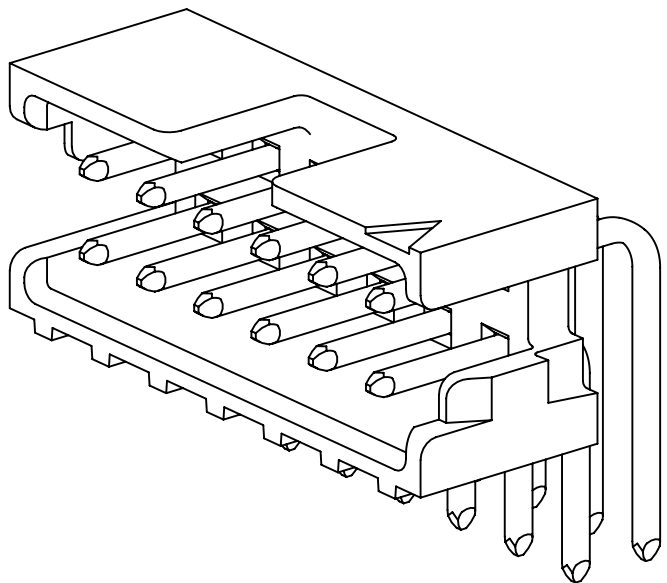
- NOTES
- MATERIAL:
BODY: HIGH TEMPERATURE GLASS FILLED LCP, BLACK UL94V-0
CONTACTS: COPPER ALLOY
 - PLATING:
2.03-3.81 μm [80-150 μin] NICKEL UNDERPLATE.
0.38 μm [15 μin] OR 0.76 μm [30 μin] AVG GOLD ON WIPING AREA.
5.08 μm [200 μin] MIN MATTE TIN ON SOLDER TAILS.
 - STANDARD LENGTH HEADERS MATE WITH 3M™ SOCKETS, 158 SERIES (REFERENCE 3M DRAWING 78-5100-2358-9).
 - 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.

A 30741				OCT 28, 2010				LDS	SF
				INITIAL RELEASE					
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTRIBUTION CODES				DRFT	L. SCHMIDT	DATE	JUL 29, 2010	MFG	
				CHKD		DATE		APPR	DATE
								S FELDMAN	AUG 09, 2010
DIVISION		DIVISION CODE							
DO NOT SCALE DRAWING		SCALE 6-1		TOLERANCES EXCEPT AS NOTED		© 3M COPYRIGHT 2010 3M property and the information it contains are either embodied in or derived from 3M technology, and no disclosure other than for 3M authorized sales purposes. All rights reserved.			
				INCHES .0000 ± .0000		TITLE 3M SHROUDED BOARD MOUNT HEADER 2 MM X 2 MM PITCH 159 SERIES			
THIRD ANGLE PROJECTION				MILLIMETERS .0000 ± .0000		CAGE NUMBER D78-5100-2359-7			
INTERPRET PER ASME Y14.5 - 1994				MAX SURFACE ROUGHNESS 125 /		REV. A			
MAX SURFACE ROUGHNESS 125 /				ALL SURFACES MARKED		DET. LISTS ☒ YES ☒ NO			
				ANGLES ± 1°		SHT 1 OF 4			

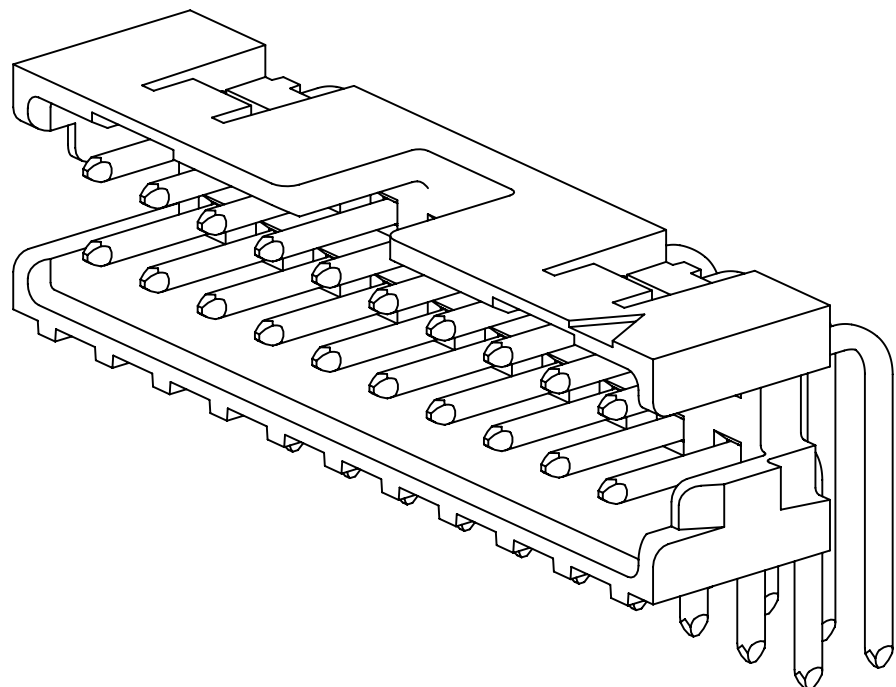
3M™ Shrouded Board Mount Header 2 mm X 2 mm Pitch 159 Series, Standard Length [3] and Extended Length [4]



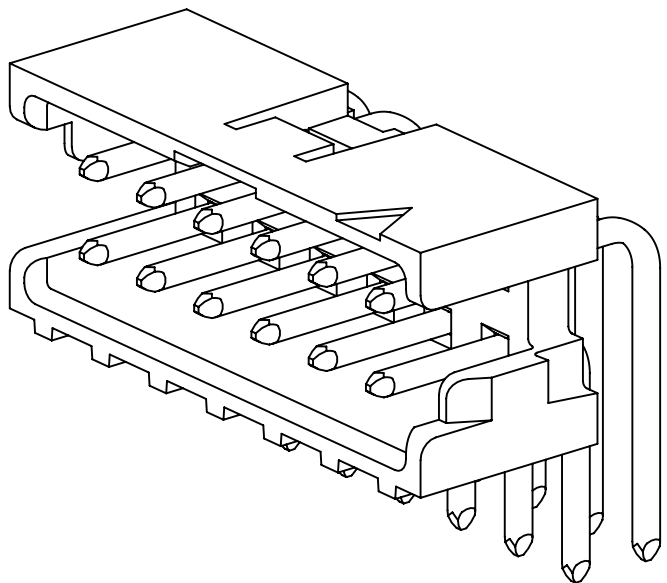
RECOMMENDED PCB HOLE PATTERN
TOLERANCE = ±0.05 [.002]



POLARIZATION SLOT
RIGHT ANGLE HEADER
6-12 POSITIONS ONLY



POLARIZATION SLOT AND
DUAL FRICTION LATCHES
RIGHT ANGLE HEADER
14-50 POSITIONS



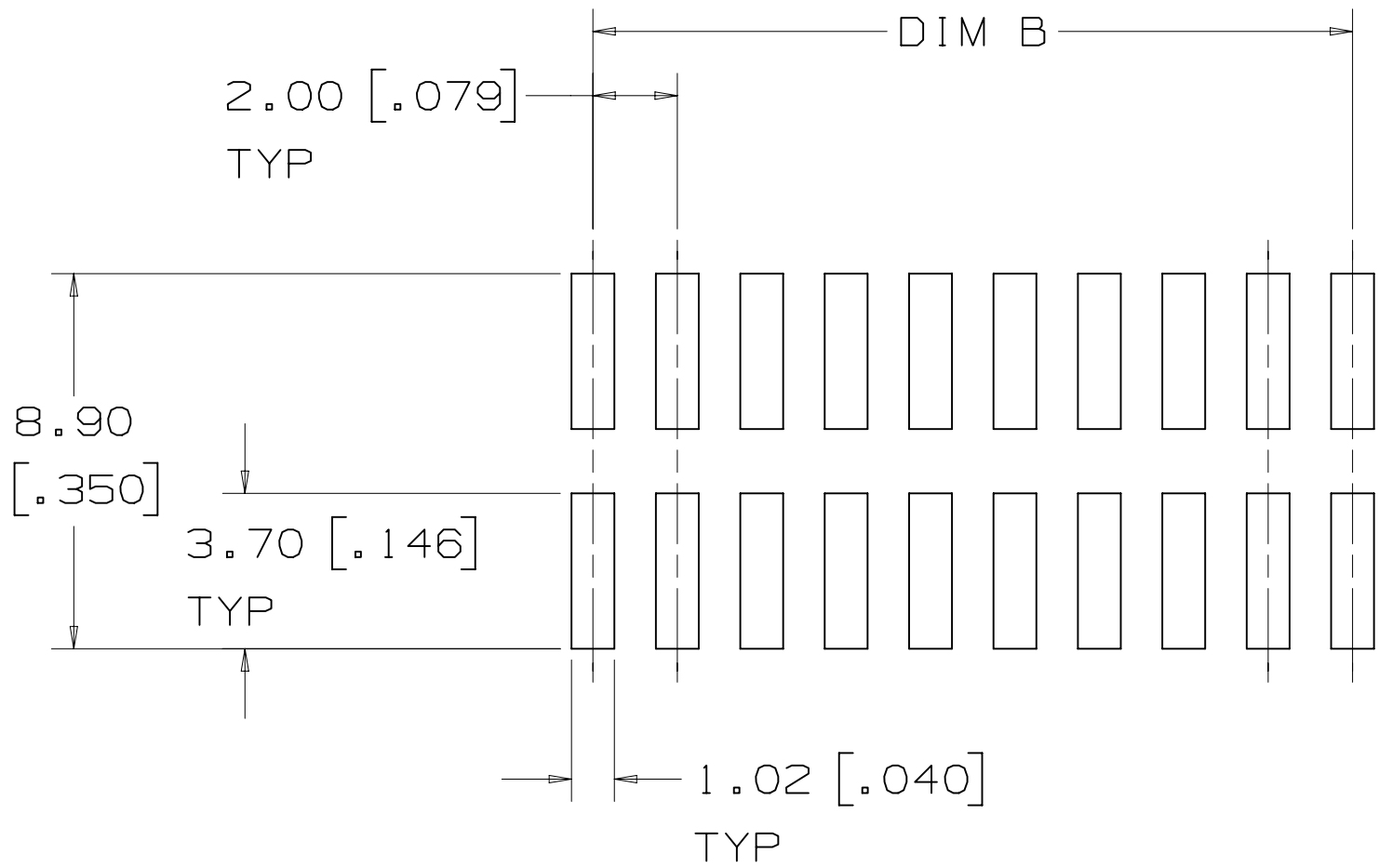
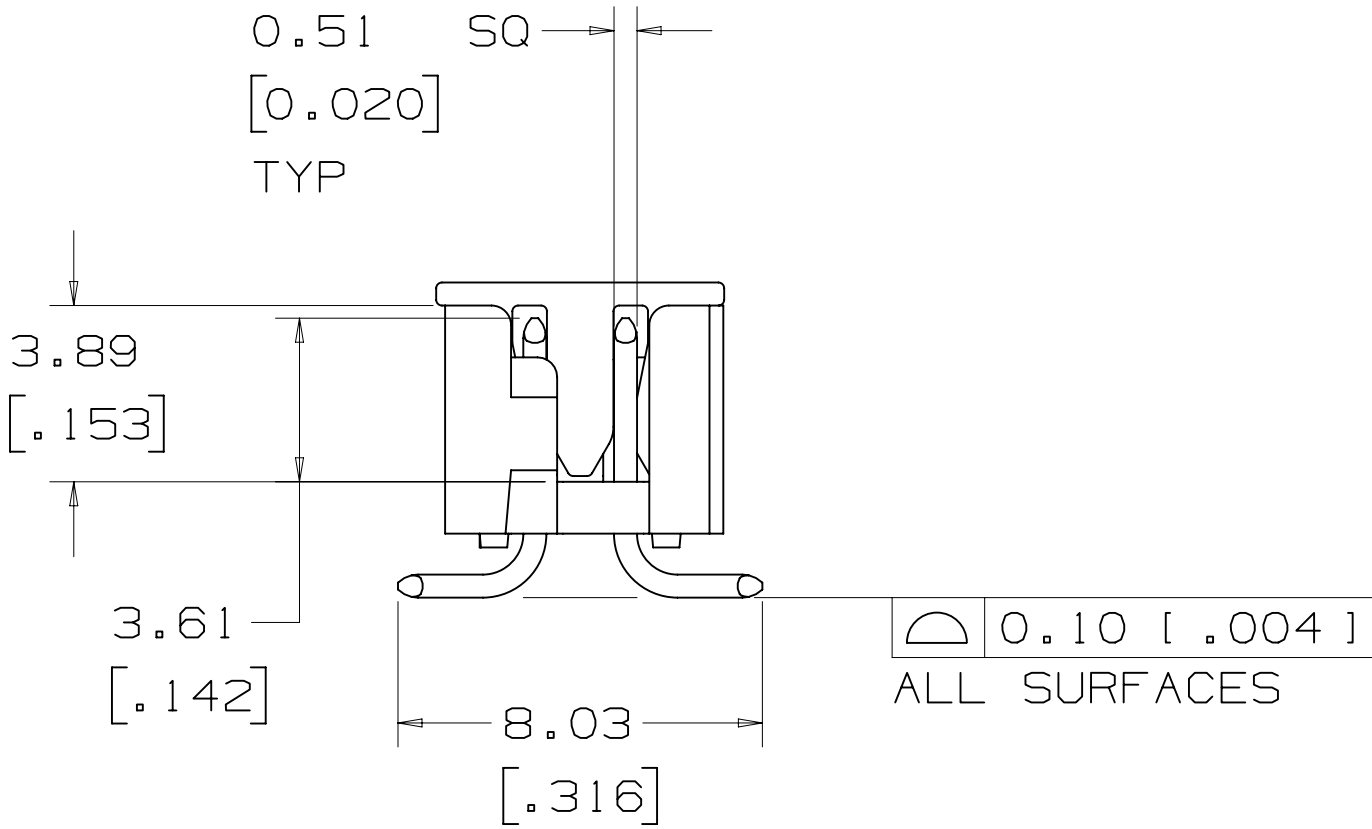
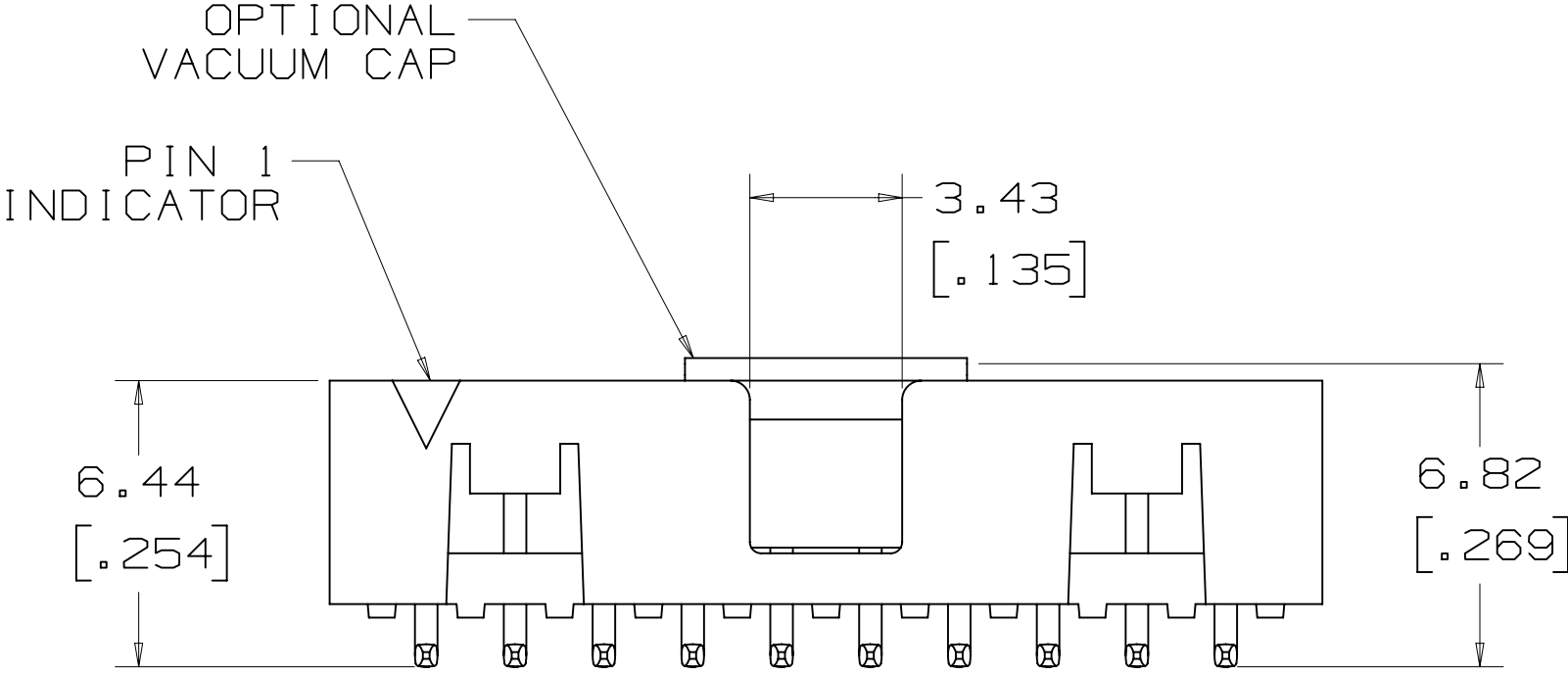
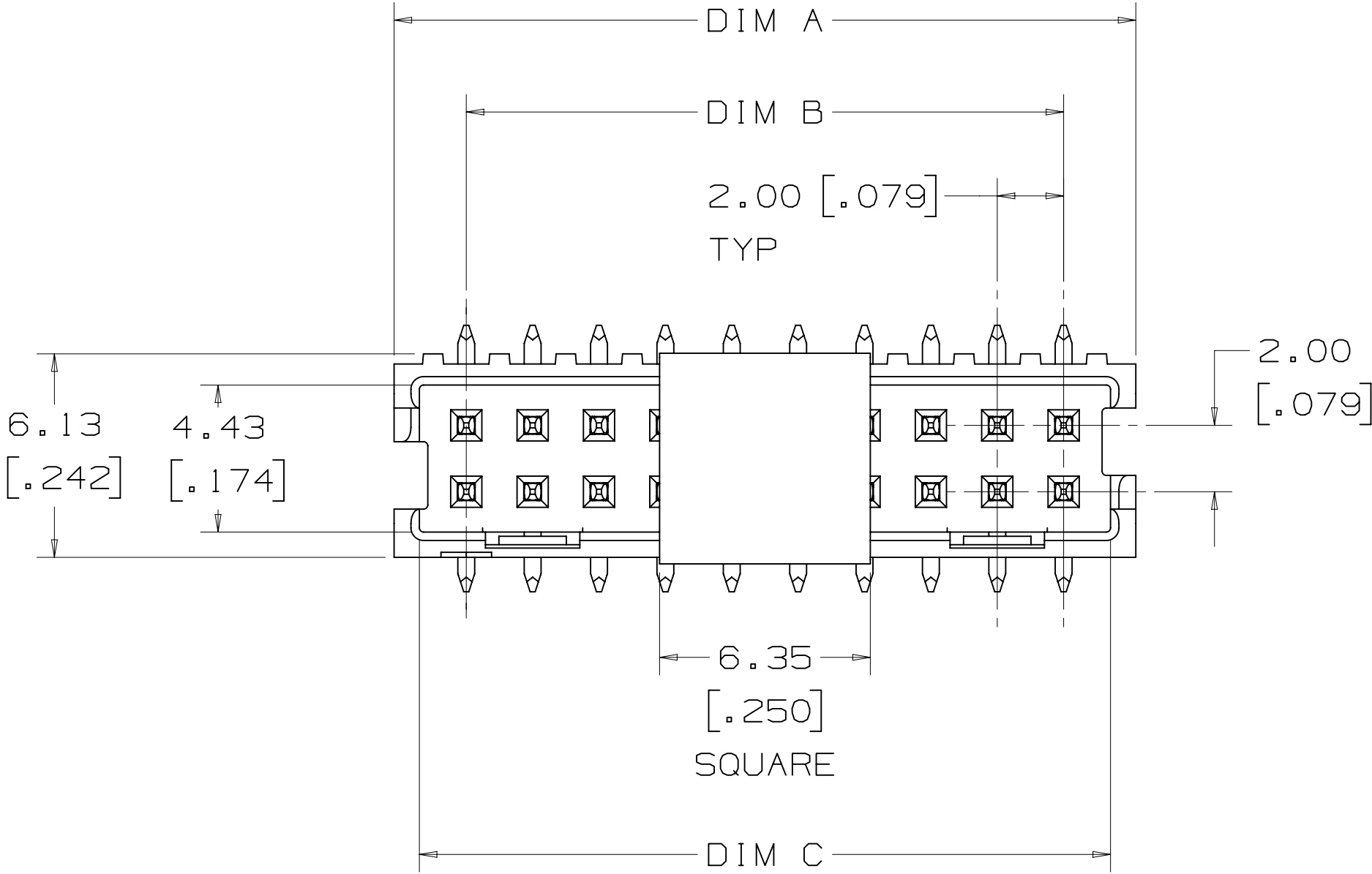
SINGLE FRICTION LATCH
RIGHT ANGLE HEADER
6-12 POSITIONS ONLY

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

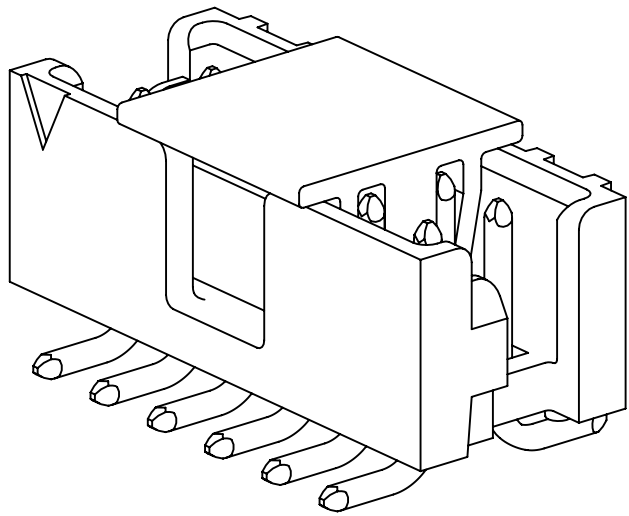
METRIC [ENGLISH]

A		30741		OCT 28, 2010		LDS		SF	
INITIAL RELEASE									
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
1		SCHMIDT		DATE JUL 29, 2010		MFG		DATE	
CHKD				DATE		S FELDMAN		AUG 09, 2010	
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2010					
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		3M 3M Center St., Paul, MN 55144			
		INCHES .0000 ±		MILLIMETERS .00 ± 0.13		THIS document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
THIRD ANGLE PROJECTION		ASME Y14.5 - 1994		MAX SURFACE ROUGHNESS 125		TITLE 3M SHROUDED BOARD MOUNT HEADER 2 MM X 2 MM PITCH 159 SERIES			
ALL SURFACES MARKED ONLY		ANGLES ± 1°		CAGE NUMBER D		SIZE DRAWING NO. 78-5100-2359-7		REV. A	
				MODEL		DET. LISTS		YES X NO SHT 2 OF 4	

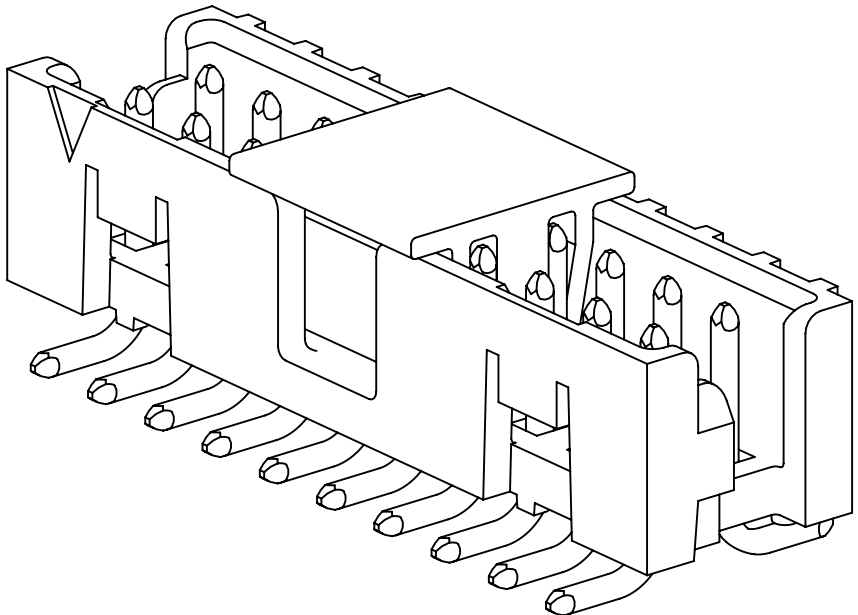
3M™ Shrouded Board Mount Header 2 mm X 2 mm Pitch 159 Series, Standard Length [3] and Extended Length [4]



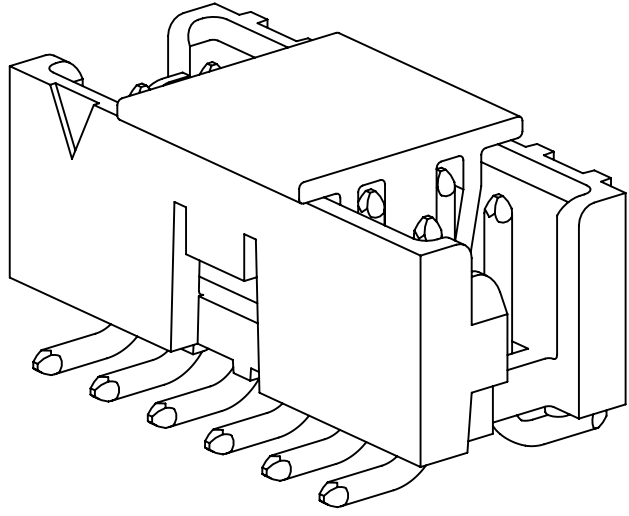
RECOMMENDED PCB PAD PATTERN
TOLERANCE = ±0.08 [0.003]



POLARIZATION SLOT
SURFACE MOUNT HEADER
6-12 POSITIONS ONLY



POLARIZATION SLOT AND
DUAL FRICTION LATCHES
SURFACE MOUNT HEADER
14-50 POSITIONS



SINGLE FRICTION LATCH
SURFACE MOUNT HEADER
6-12 POSITIONS ONLY

REFERENCE TABLE ON SHEET 4
FOR AVAILABLE POSITIONS

METRIC [ENGLISH]

DESIGN REFERENCE		NEXT ASSEMBLY		A 30741		OCT 28, 2010		LDS	SF
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
L. SCHMIDT		JUL 29, 2010		MFG		DATE		DATE	
CHKD		S. FELDMAN		APPROV		DATE		DATE	
DIVISION		DIVISION CODE		3M		3M Center		St. Paul, MN 55144	
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		INCHES		MILLIMETERS	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 1994		MAX SURFACE ROUGHNESS		CAGE NUMBER		DRAWING NO.	
125/		ALL SURFACES		0.00 ± 0.13		D 78-5100-2359-7		REV. A	
X MARKED ONLY		ANGLES ±1°		MODEL		DET		SHT 3 OF 4	

