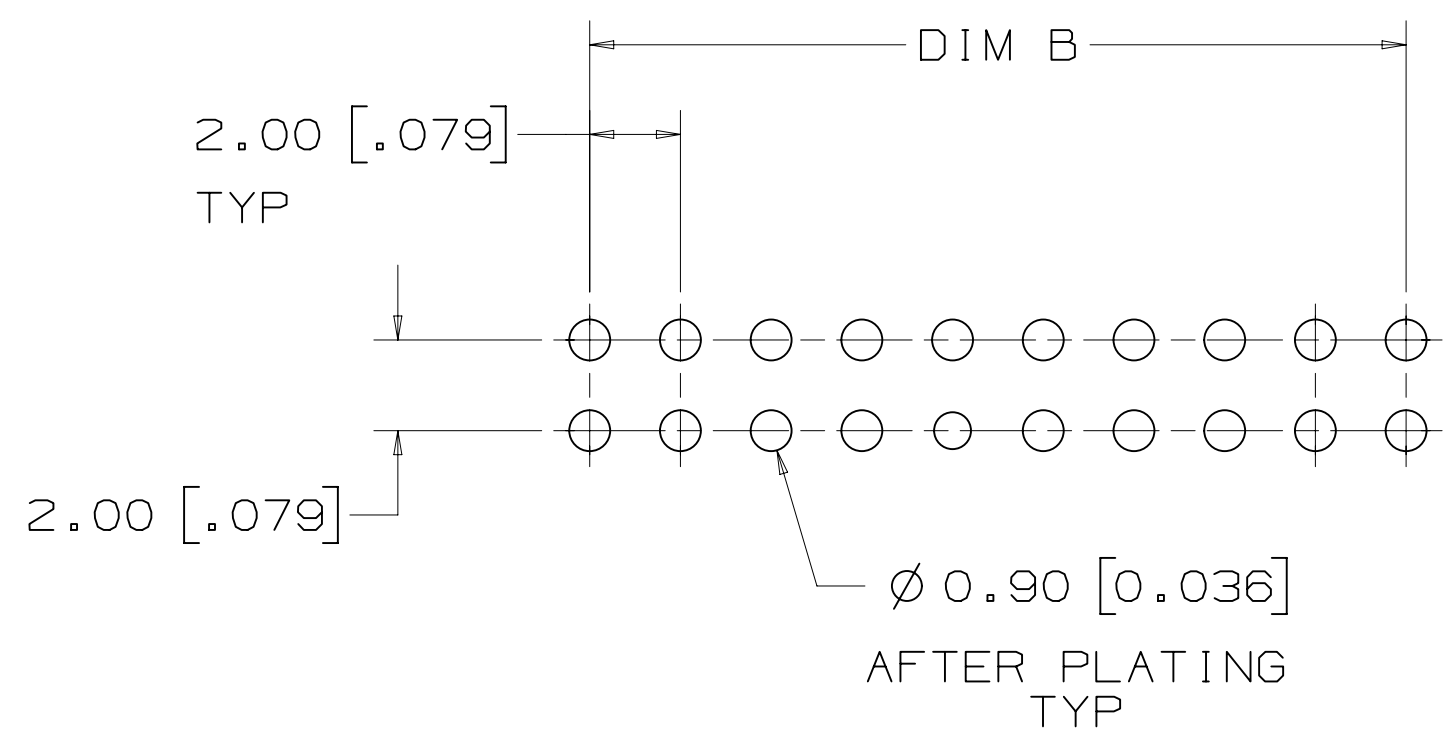
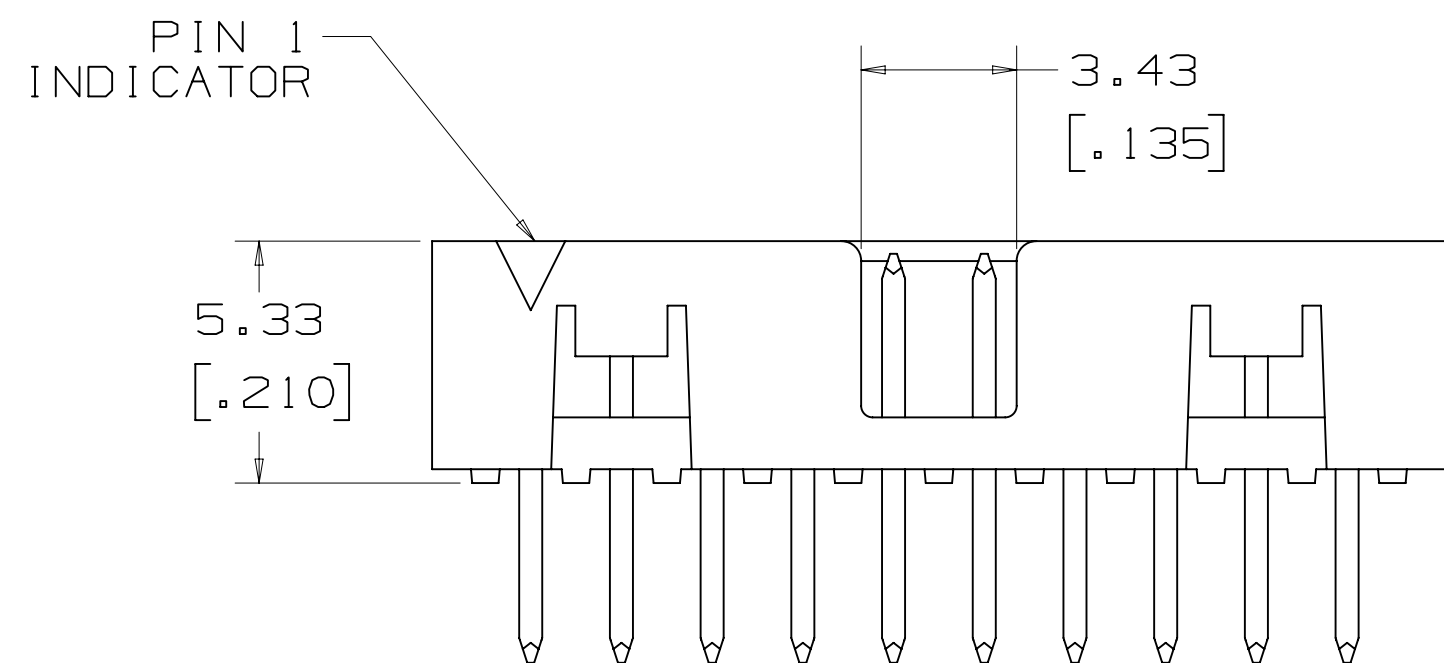
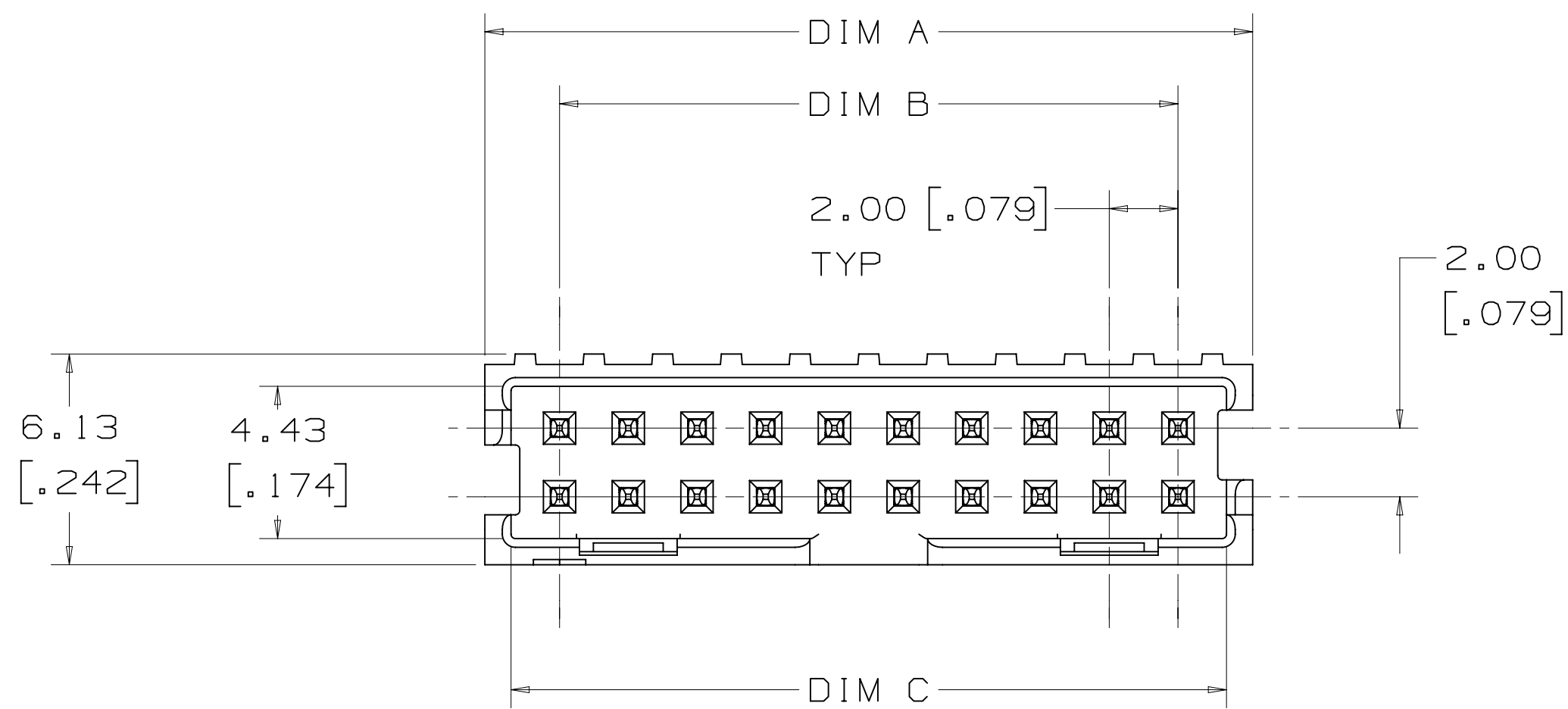
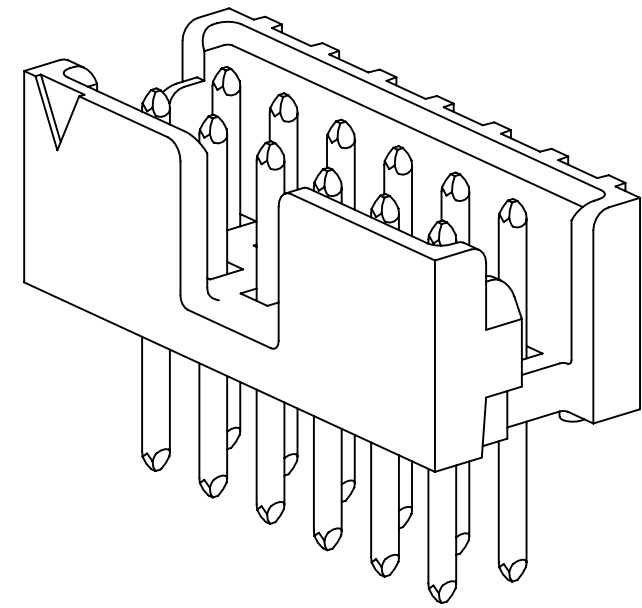


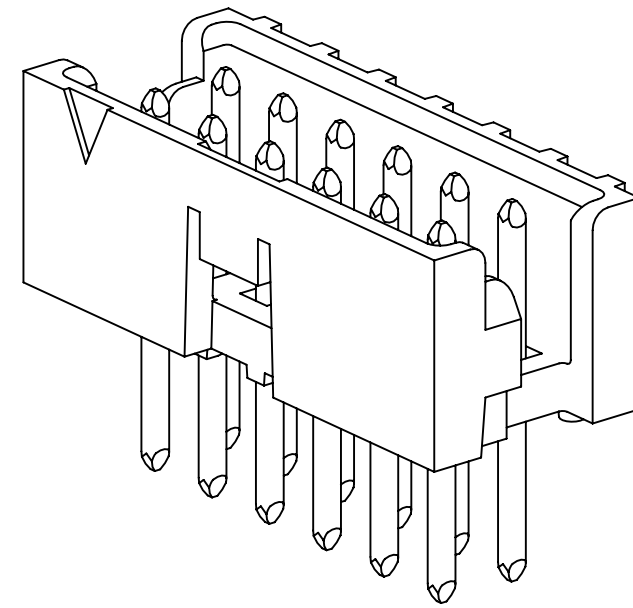
3M™ Shrouded Board Mount Header 2 mm X 2 mm Pitch 159 Series, Standard Length and Extended Length



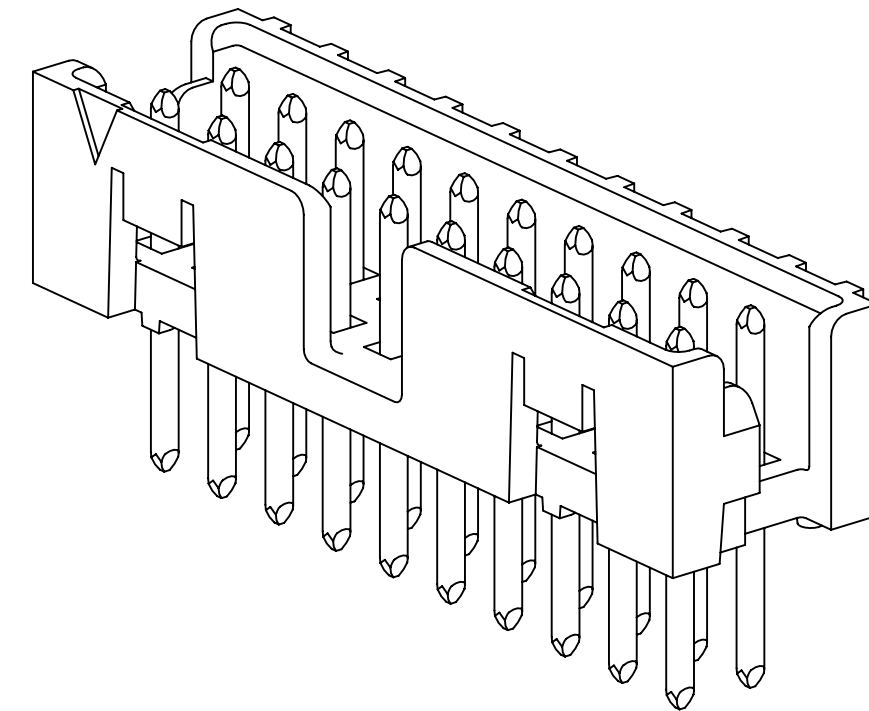
RECOMMENDED PCB HOLE PATTERN
TOLERANCE = 0.05 [.002]



POLARIZATION SLOT
THRU-HOLE VERTICAL HEADER
6-12 POSITIONS ONLY



SINGLE FRICTION LATCH
THRU-HOLE VERTICAL HEADER
6-12 POSITIONS ONLY



POLARIZATION SLOT AND
DUAL FRICTION LATCHES
THRU-HOLE VERTICAL HEADER
14-50 POSITIONS

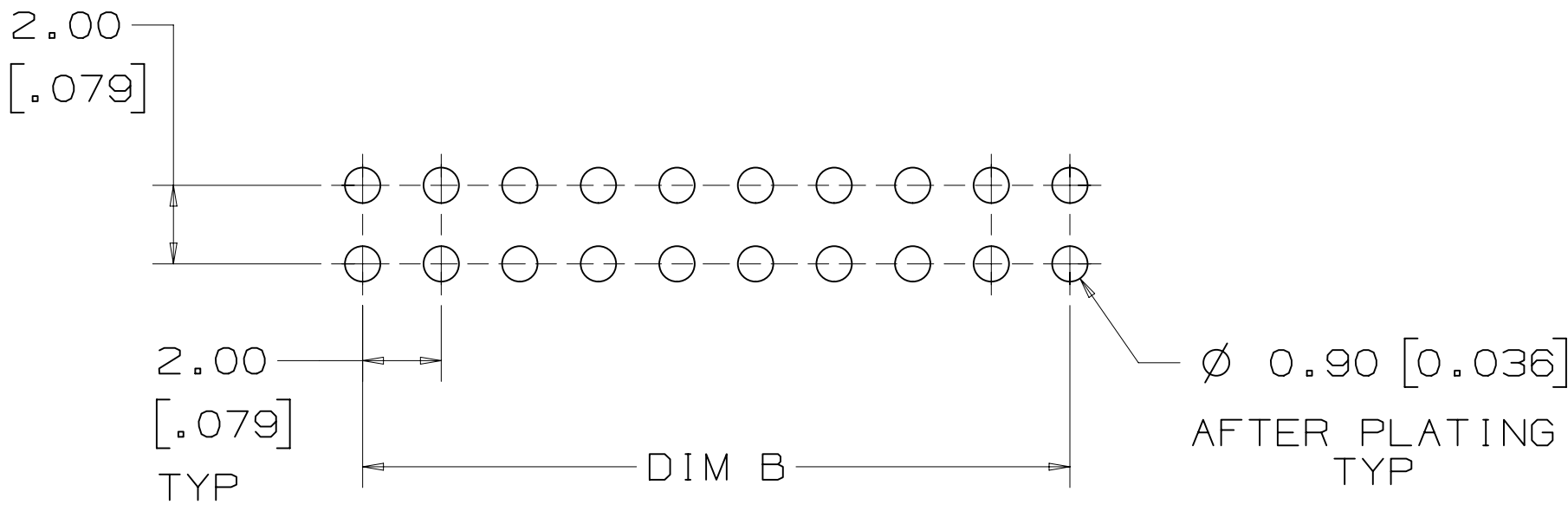
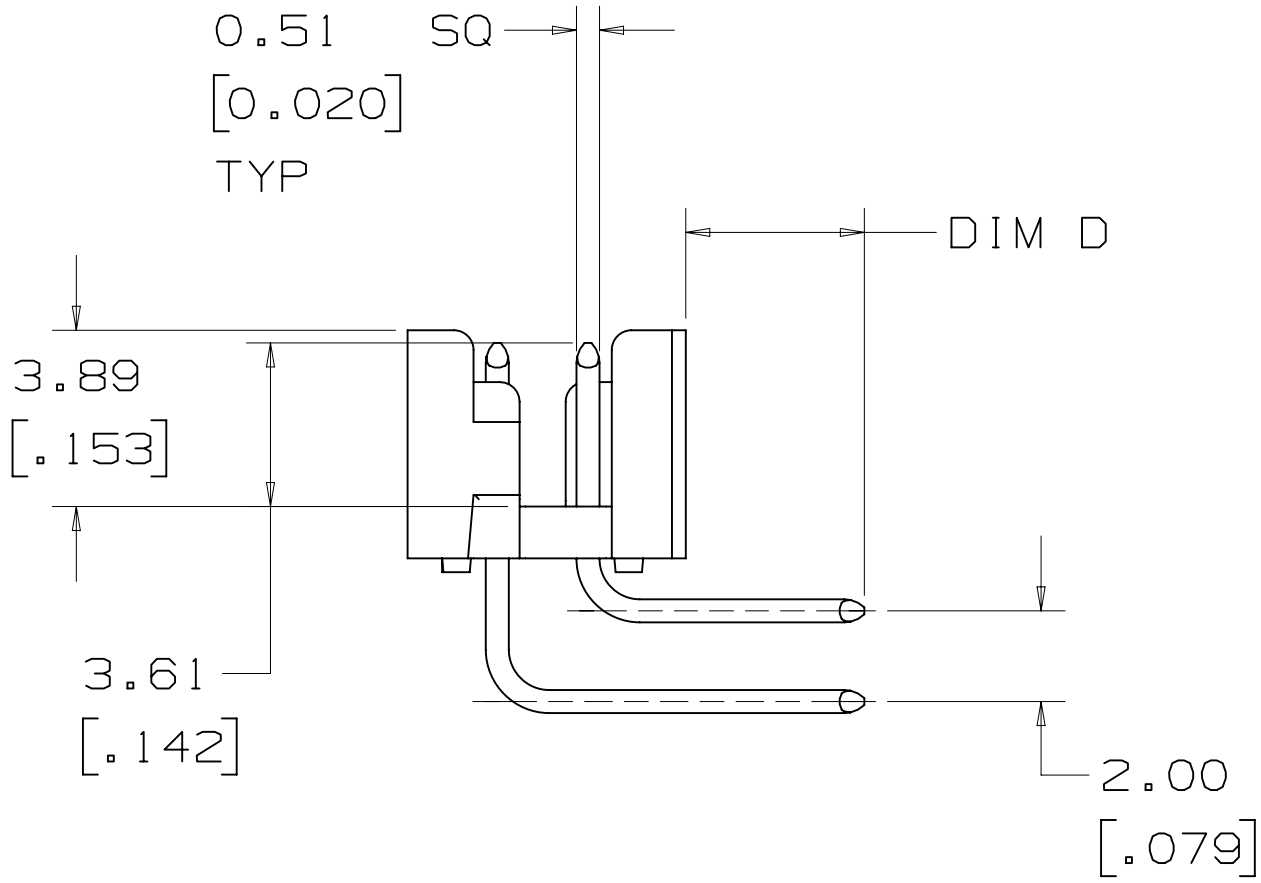
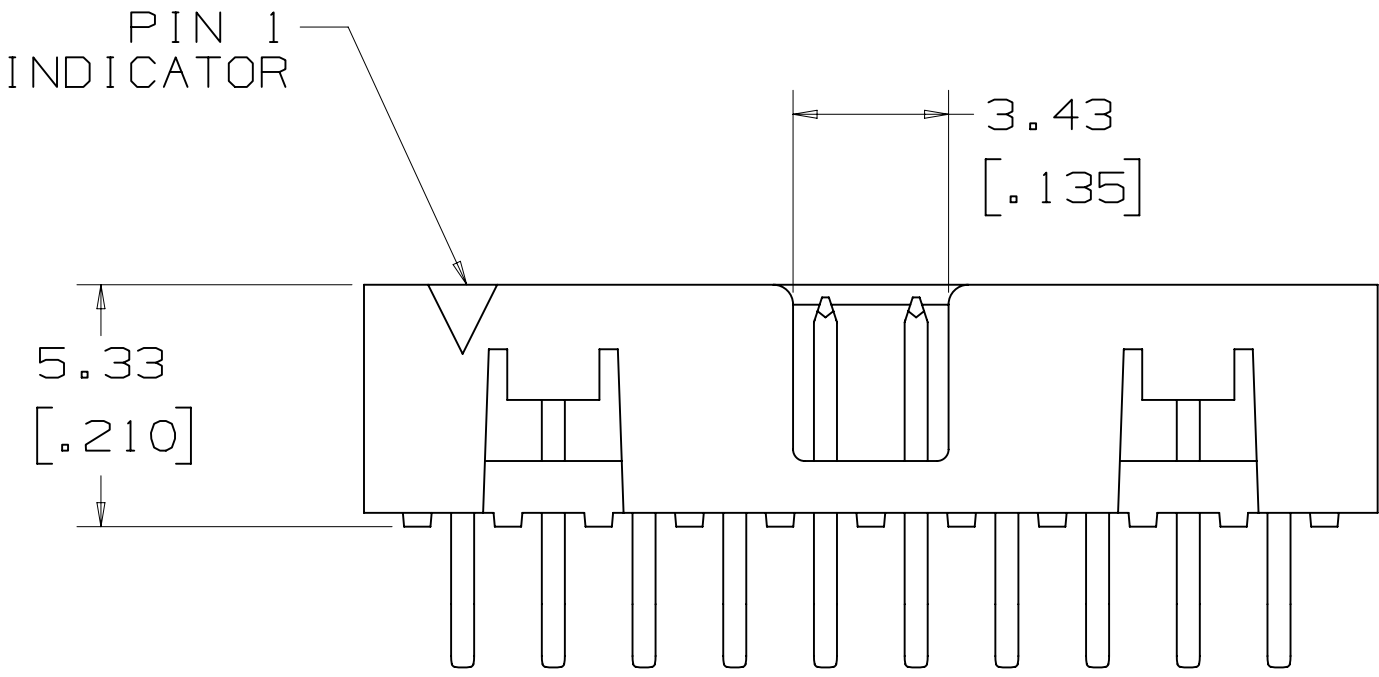
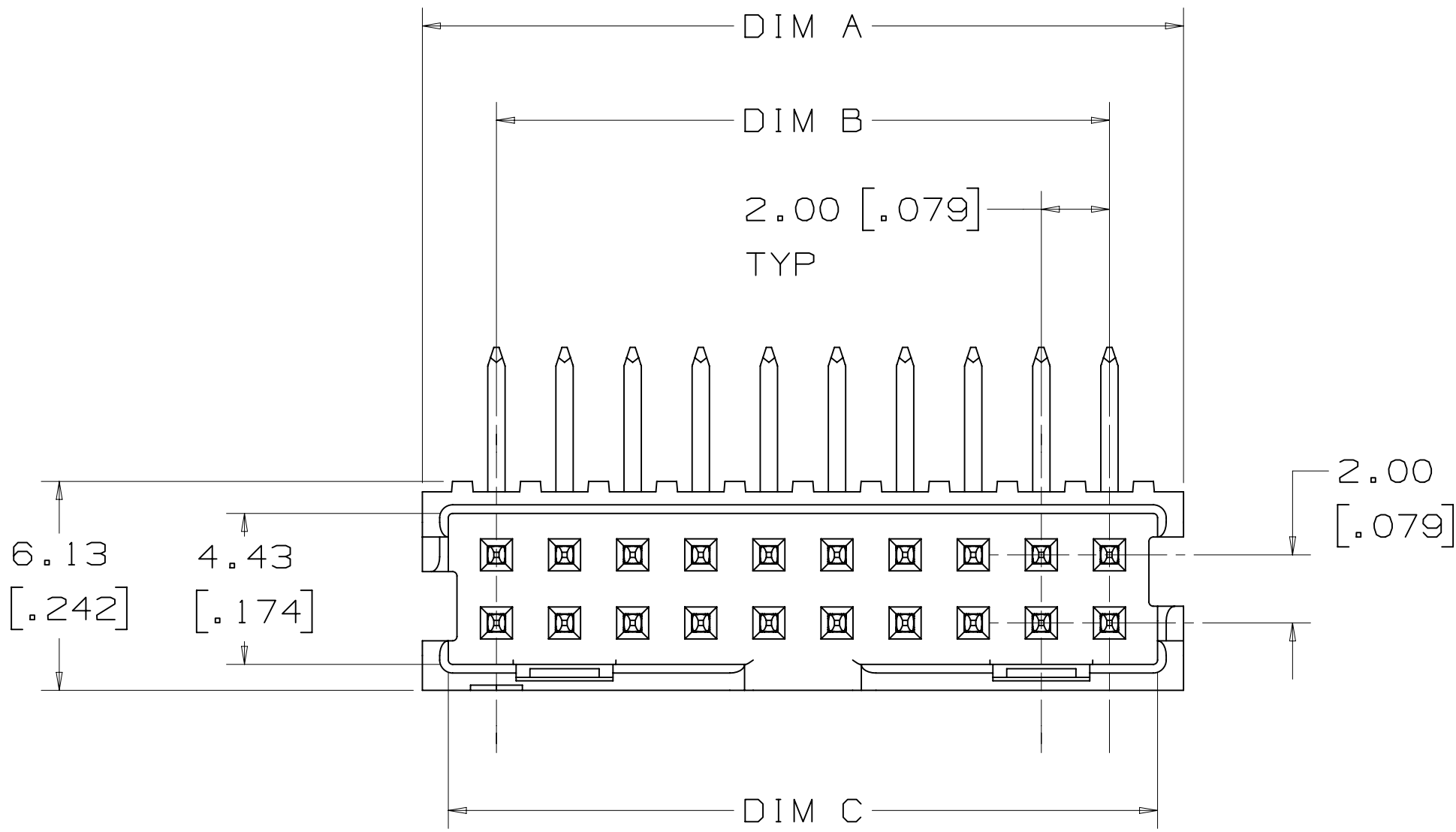
PERFORMANCE [5][7]	
CURRENT:	1A, 6 LINES ENERGIZED
INSULATION RESISTANCE:	>1 X 10 ⁹ OHMS AT 500 VDC
WITHSTANDING VOLTAGE:	500 VAC _{rms} AT SEA LEVEL
TEMPERATURE RATING:	-55° C TO +105° C
SOLDER PROCESS TEMPERATURE:	260° C MAX PER IPC/JEDEC J-STD-020D

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

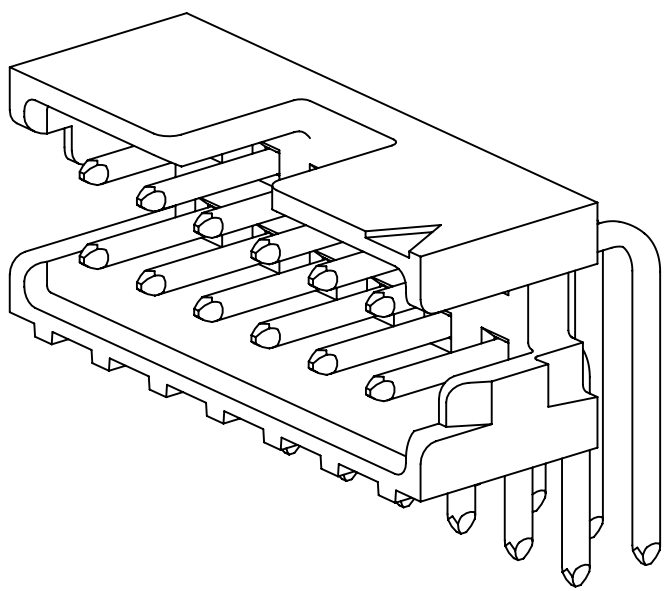
METRIC [ENGLISH]

A 3074		OCT 28,2010		LDS	SK
INITIAL RELEASE					
REV ECO		ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DRFT L. SCHMIDT		DATE JUL 29,2010		WRG	
CHKD		DATE		APPR. S FELDMAN	DATE AUG 09,2010
DISTANCE CODES					
NEXT ASSEMBLY					
DIVISION		DIVISION CODE			
DO NOT SCALE DRAWING		SCALE $\frac{1}{6}$		TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES		3M Center St. Paul, MN 55144	
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS		© 3M COPYRIGHT 2010 This document and the information it contains are 3M property and may not be reproduced or further distributed without written permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.	
MAX SURFACE ROUGHNESS		SIZE		REV.	
125 ☐ ALL SURFACES		DRAWING NO.		A	
☒ MARKED ONLY		D 78-5100-2359-7		DET. LISTS ☒ YES ☒ NO ☐ SHT 1 OF 4	
ANGLES $\pm 1^\circ$		MODEL			

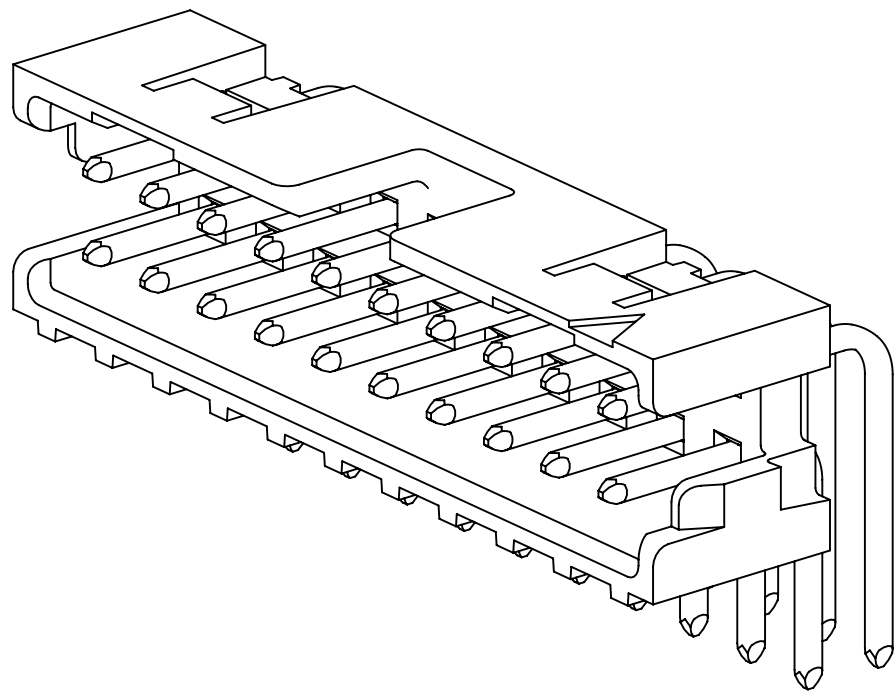
3M™ Shrouded Board Mount Header 2 mm X 2 mm Pitch 159 Series, Standard Length [3] and Extended Length [4]



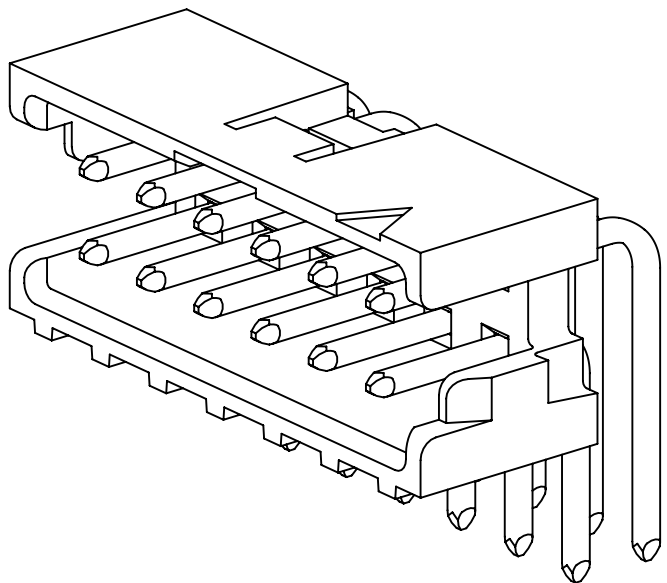
RECOMMENDED PCB HOLE PATTERN
TOLERANCE = ±0.05 [.002]



POLARIZATION SLOT
RIGHT ANGLE HEADER
6-12 POSITIONS ONLY



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



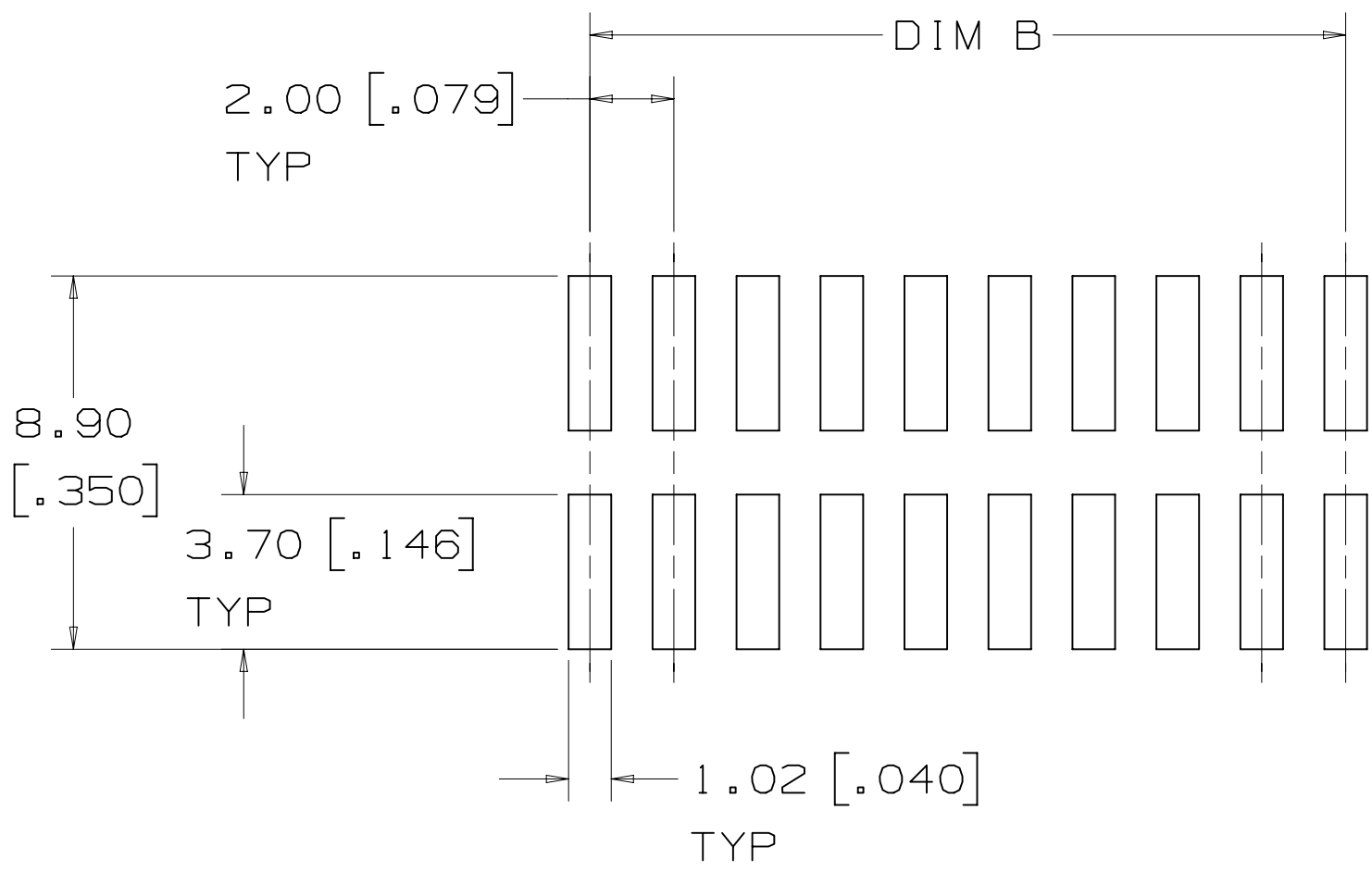
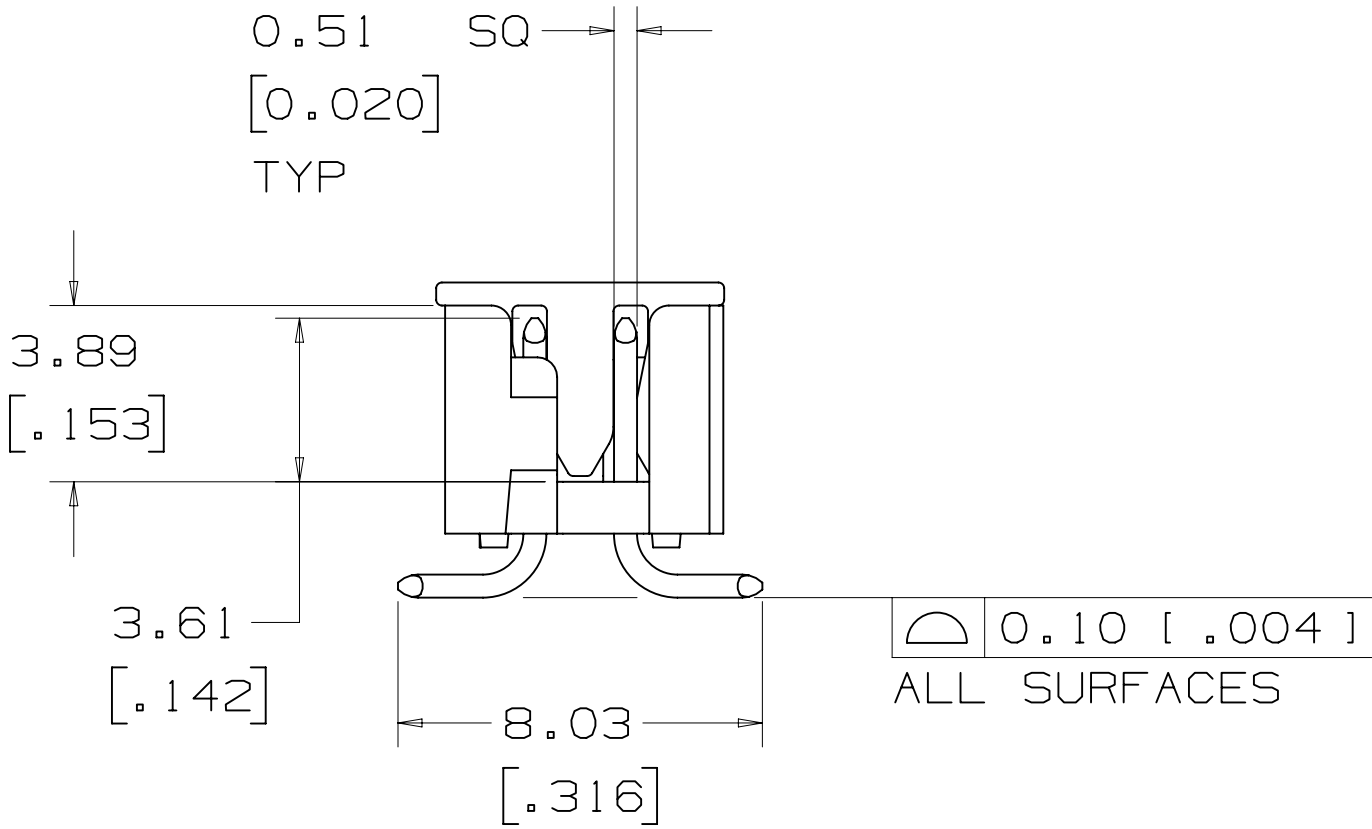
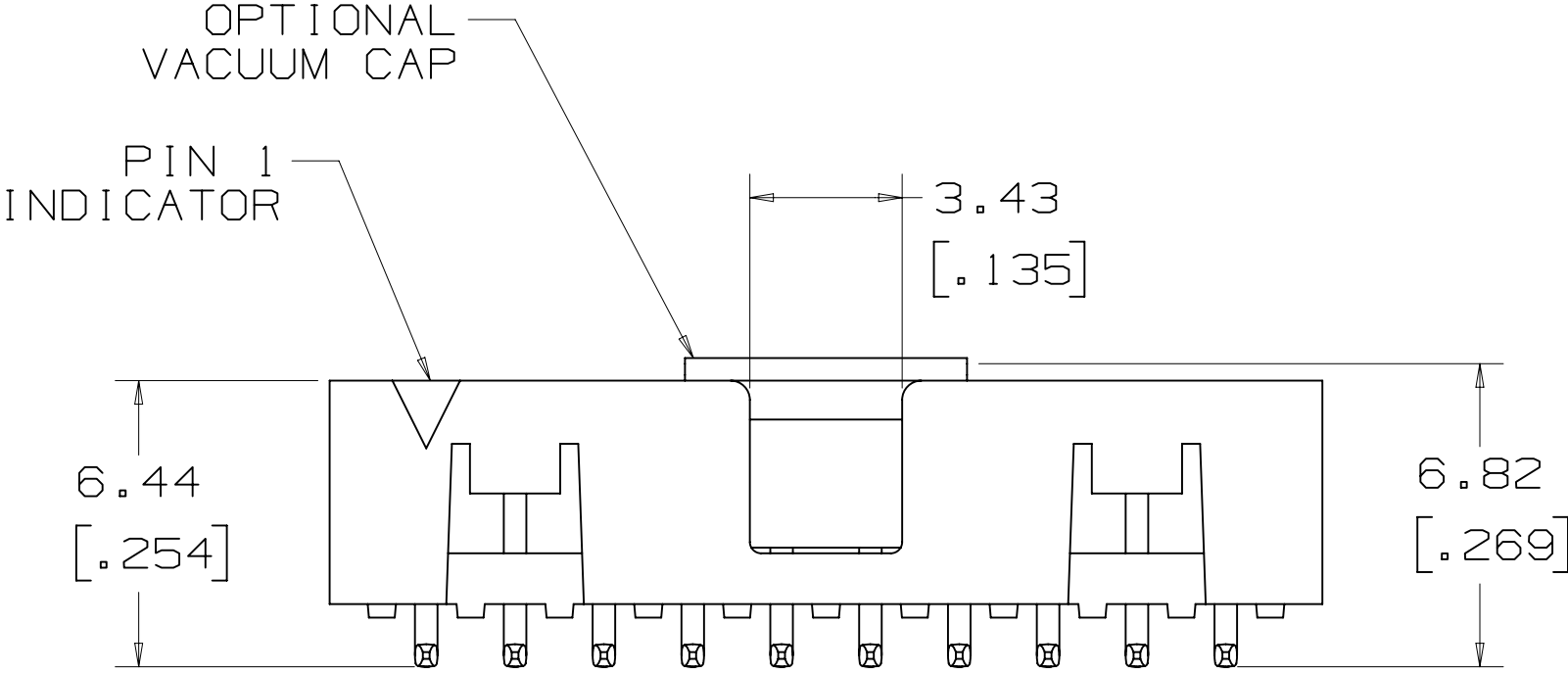
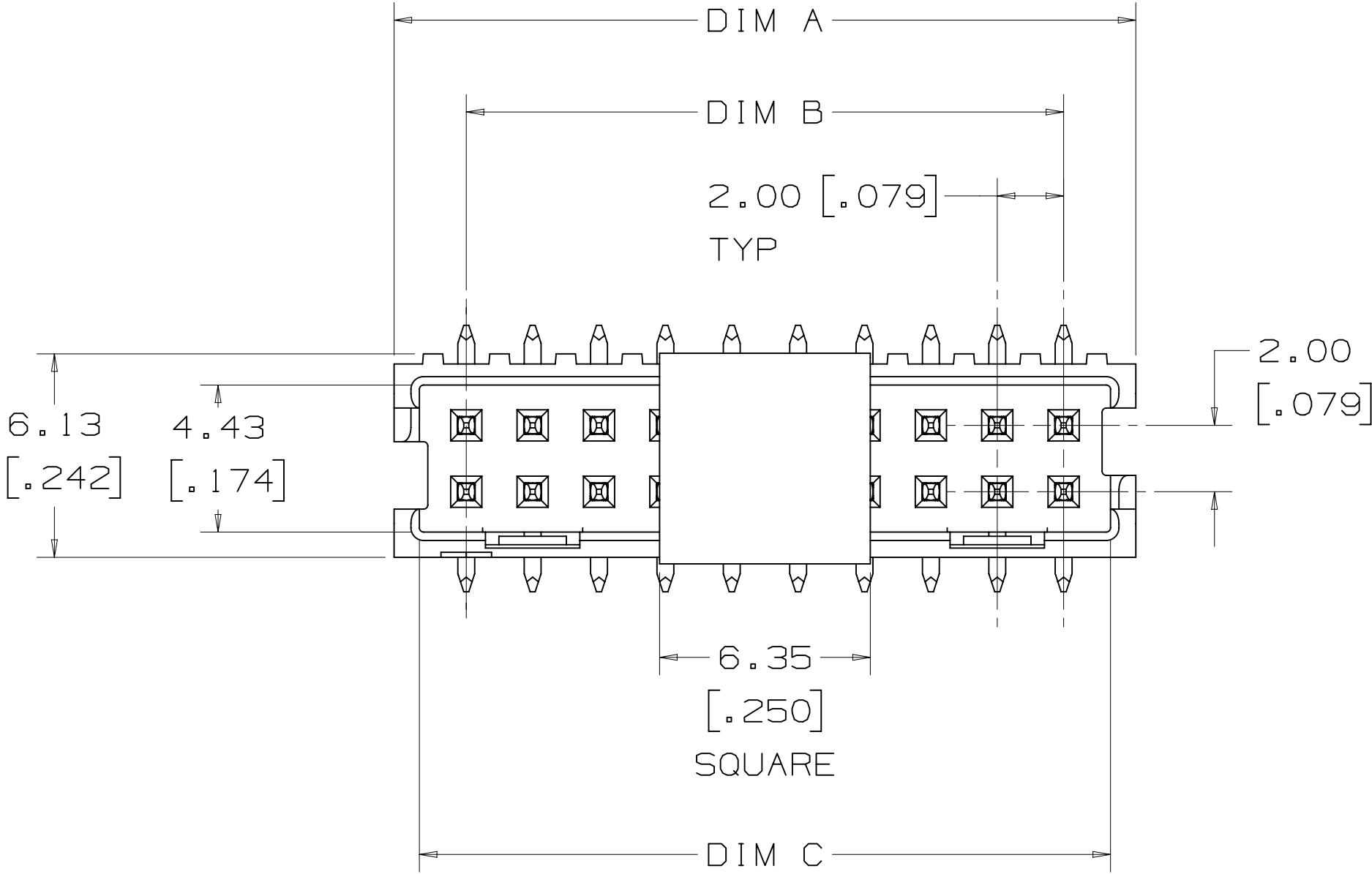
SINGLE FRICTION LATCH
RIGHT ANGLE HEADER
6-12 POSITIONS ONLY

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

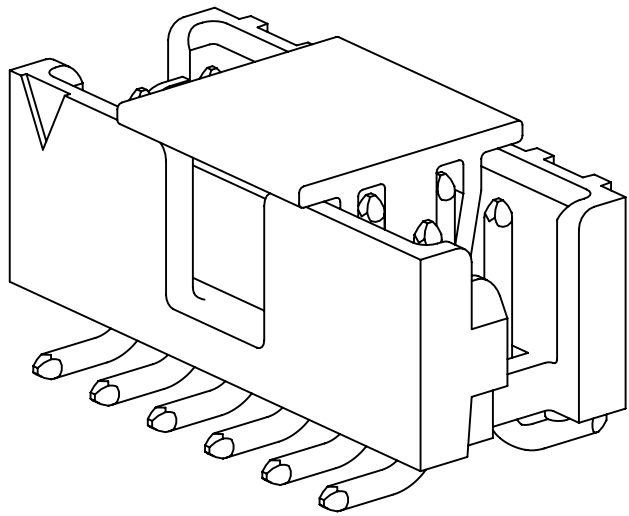
METRIC [ENGLISH]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTANCE		DISTANCE		DRFT	ECO	DATE		DATE	DATE
L. SCHMIDT		JUL 29, 2010		DRFT	ECO	JUL 29, 2010		DATE	DATE
DIVISION		DIVISION CODE		CHKD	ECO	APPROVAL		DATE	DATE
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		125 / ALL SURFACES		MARKED ONLY	
ANGLES ±1°		ANGLES ±1°		CAGE NUMBER		DRAWING NO.		REV.	
125 / ALL SURFACES		MARKED ONLY		D		78-5100-2359-7		A	
MODEL		DET		YES		NO		SHT 2 OF 4	

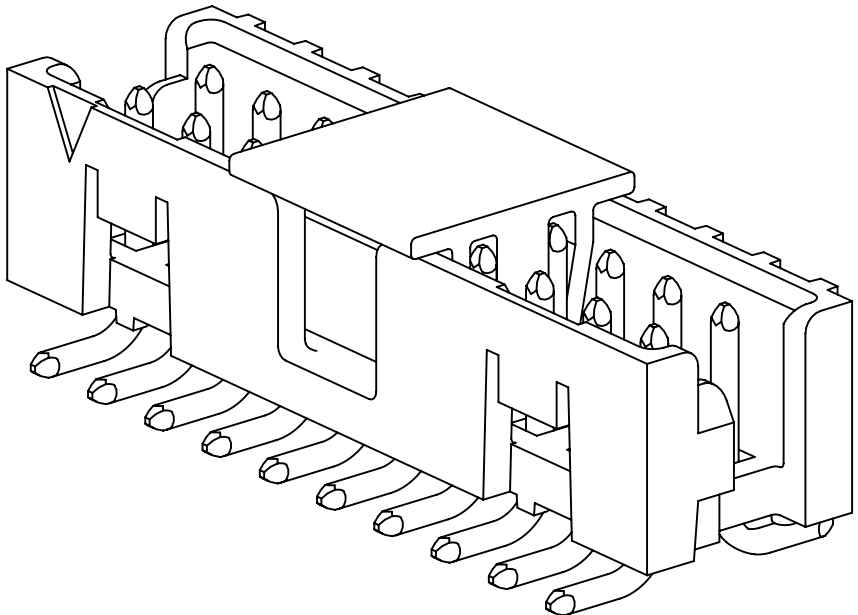
3M™ Shrouded Board Mount Header 2 mm X 2 mm Pitch 159 Series, Standard Length [3] and Extended Length [4]



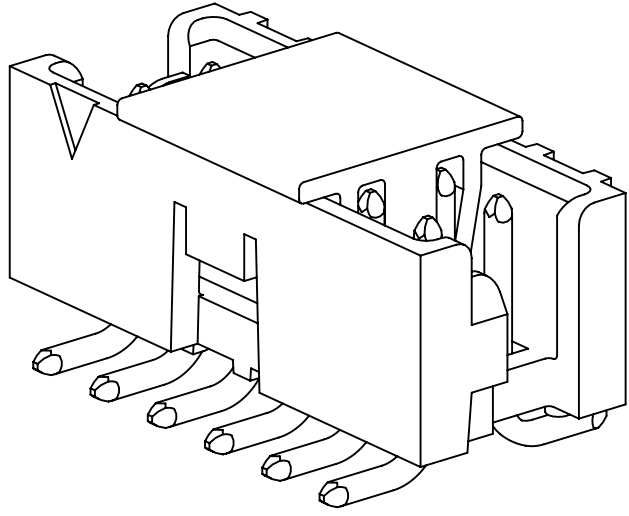
RECOMMENDED PCB PAD PATTERN
TOLERANCE = ±0.08 [.003]



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		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTANCE		SCALE		DATE		MFG		DATE	
L. SCHMIDT		JUL 29, 2010		S. FELDMAN		AUG 09, 2010			
DIVISION		DIVISION CODE		3M Center		St. Paul, MN 55144		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.	
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		ALL SURFACES		MARKED ONLY	
125		ANGLES ±1°		CAGE NUMBER		DRAWING NO.		REV.	
125		D		78-5100-2359-7		A		SHT 3 OF 4	

