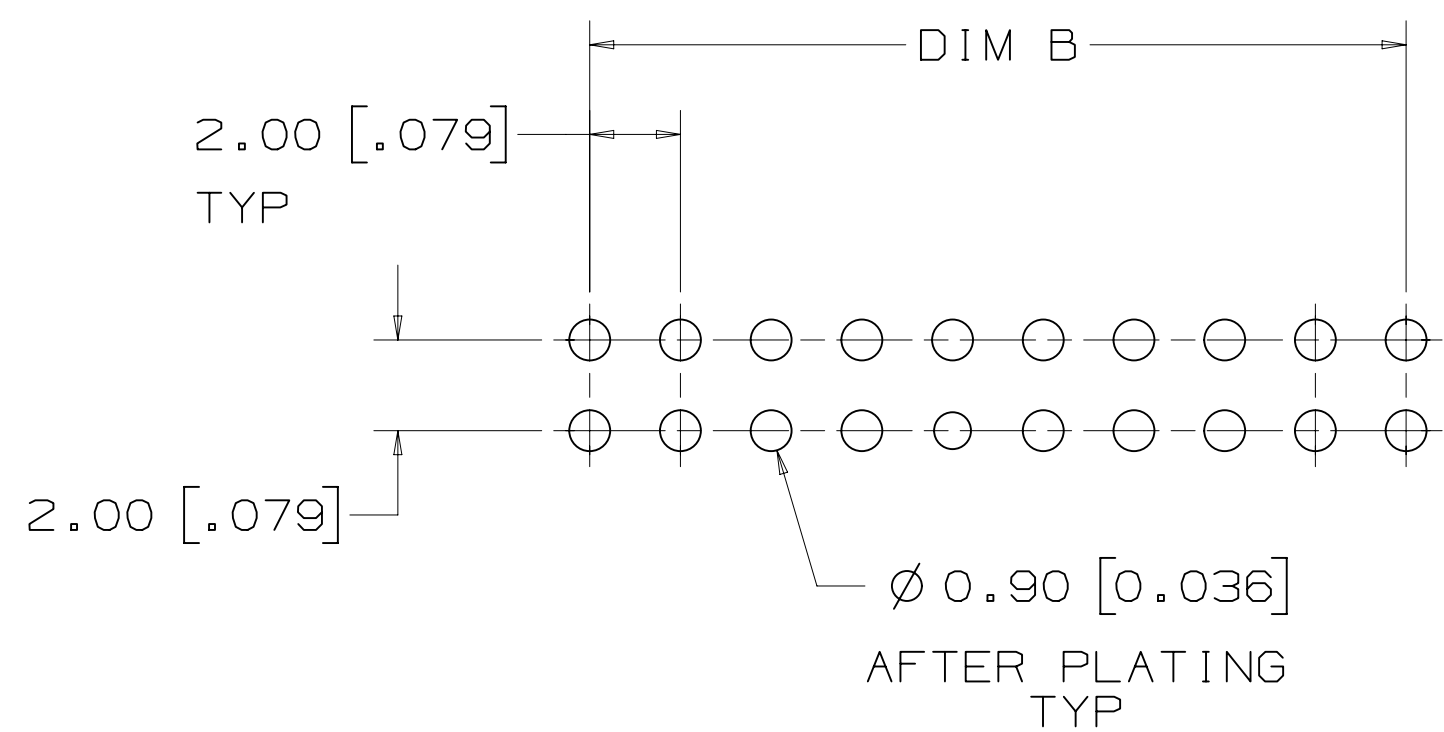
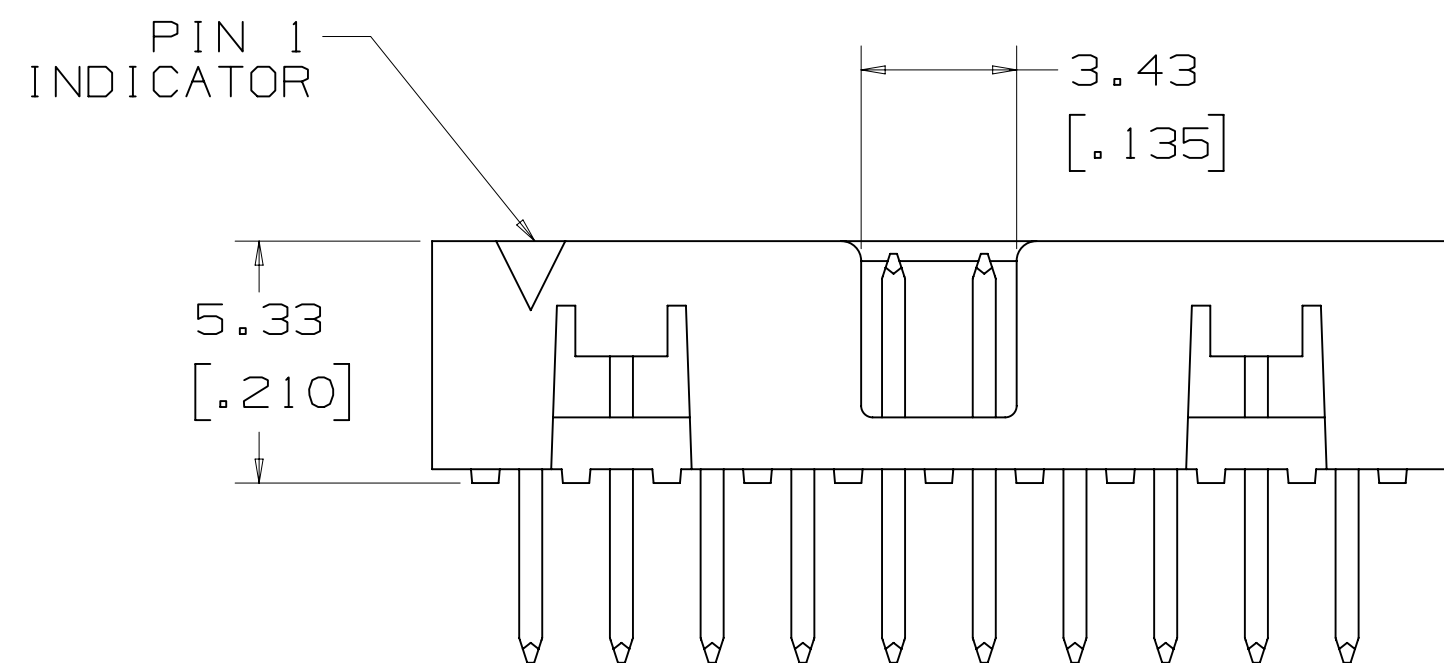
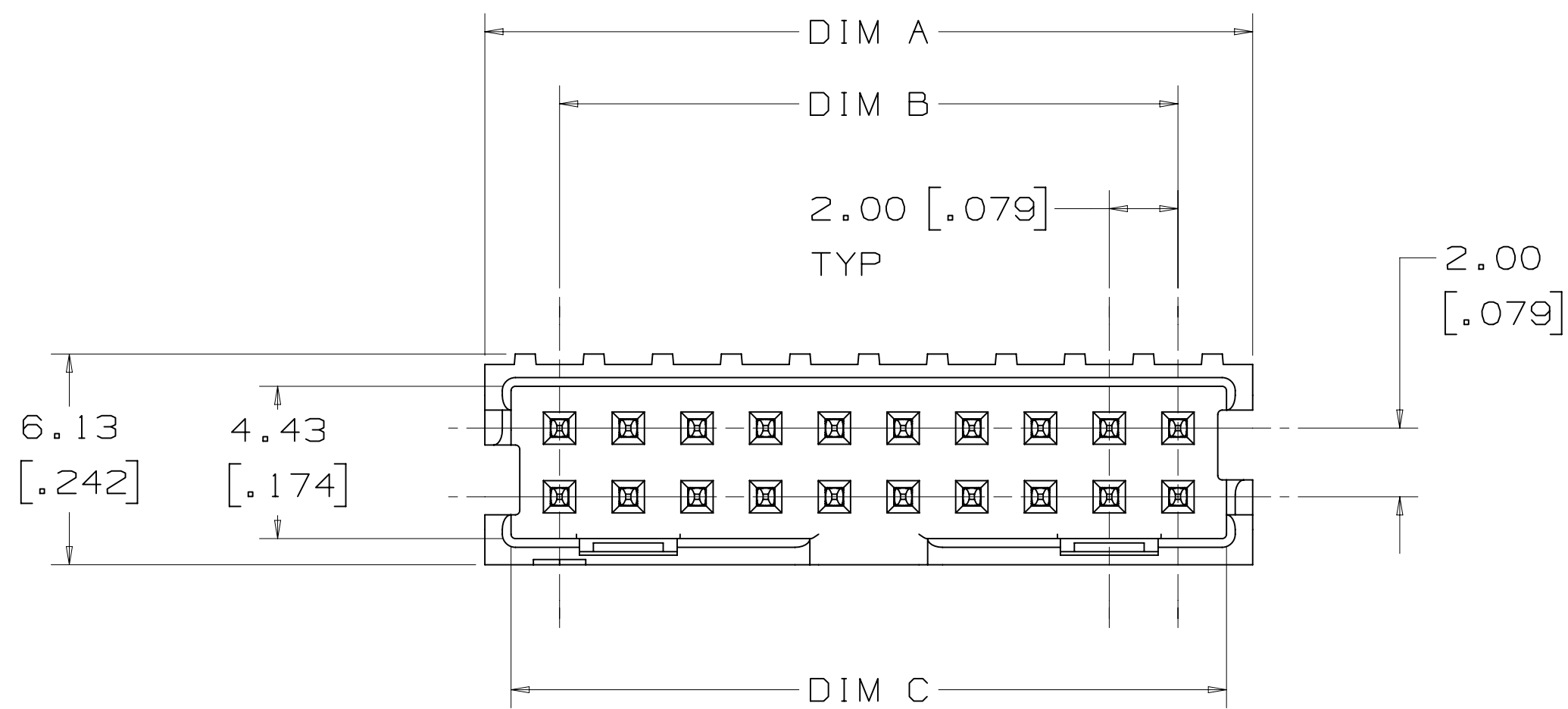
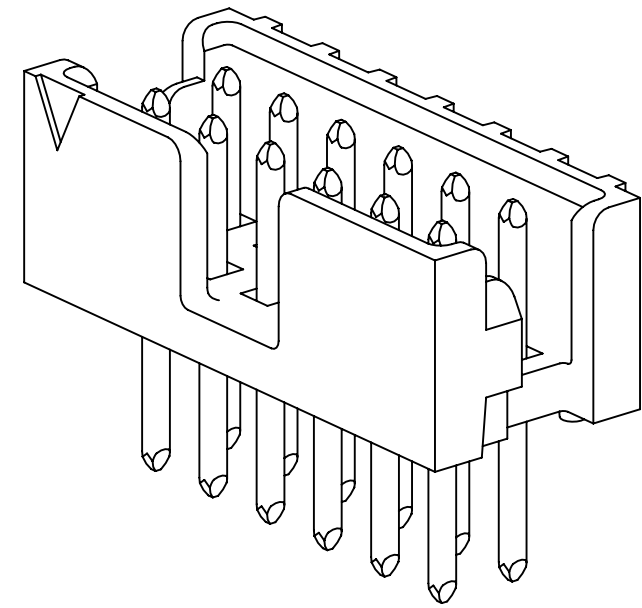


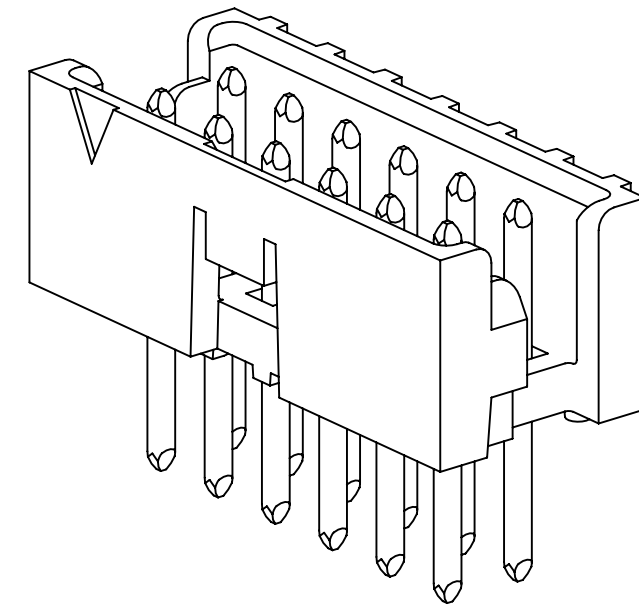
3M™ Shrouded Board Mount Header 2 mm X 2 mm Pitch 159 Series, Standard Length and Extended Length



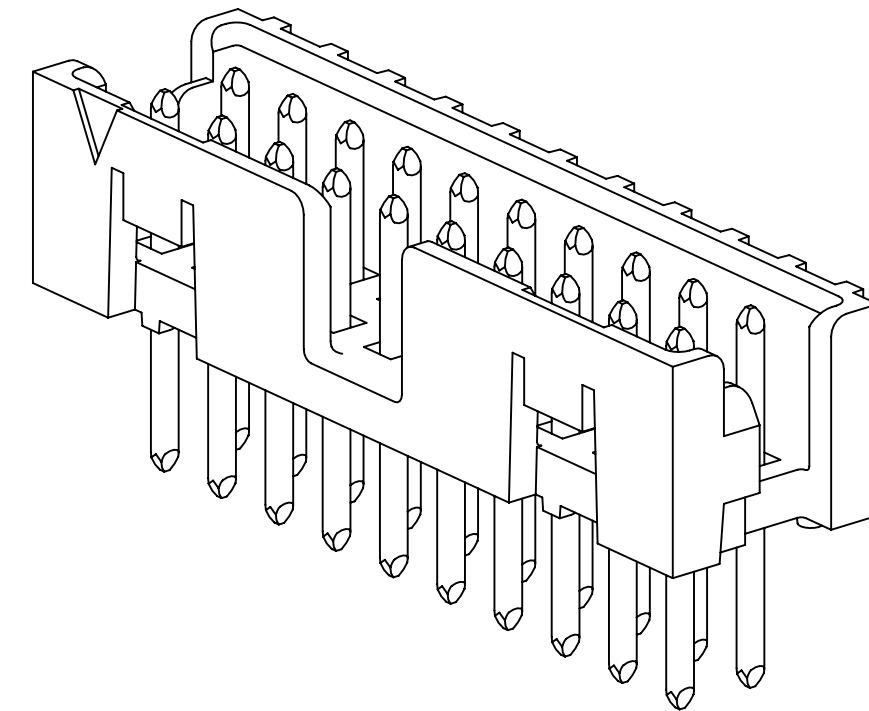
RECOMMENDED PCB HOLE PATTERN
TOLERANCE = 0.05 [.002]



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

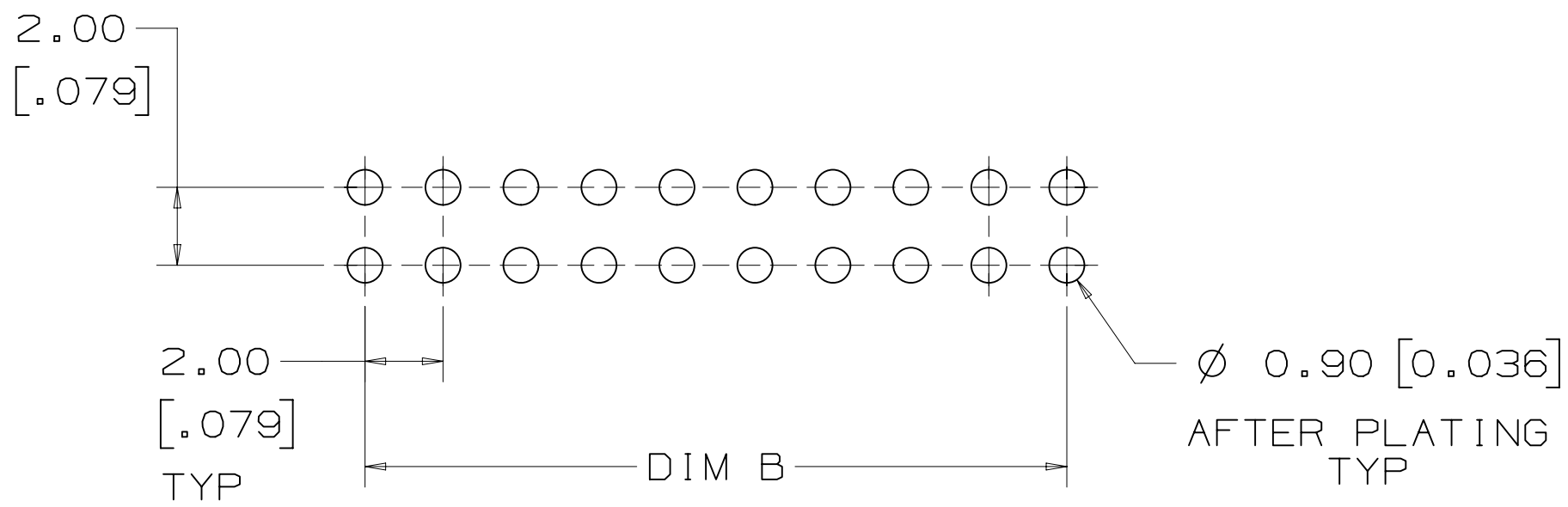
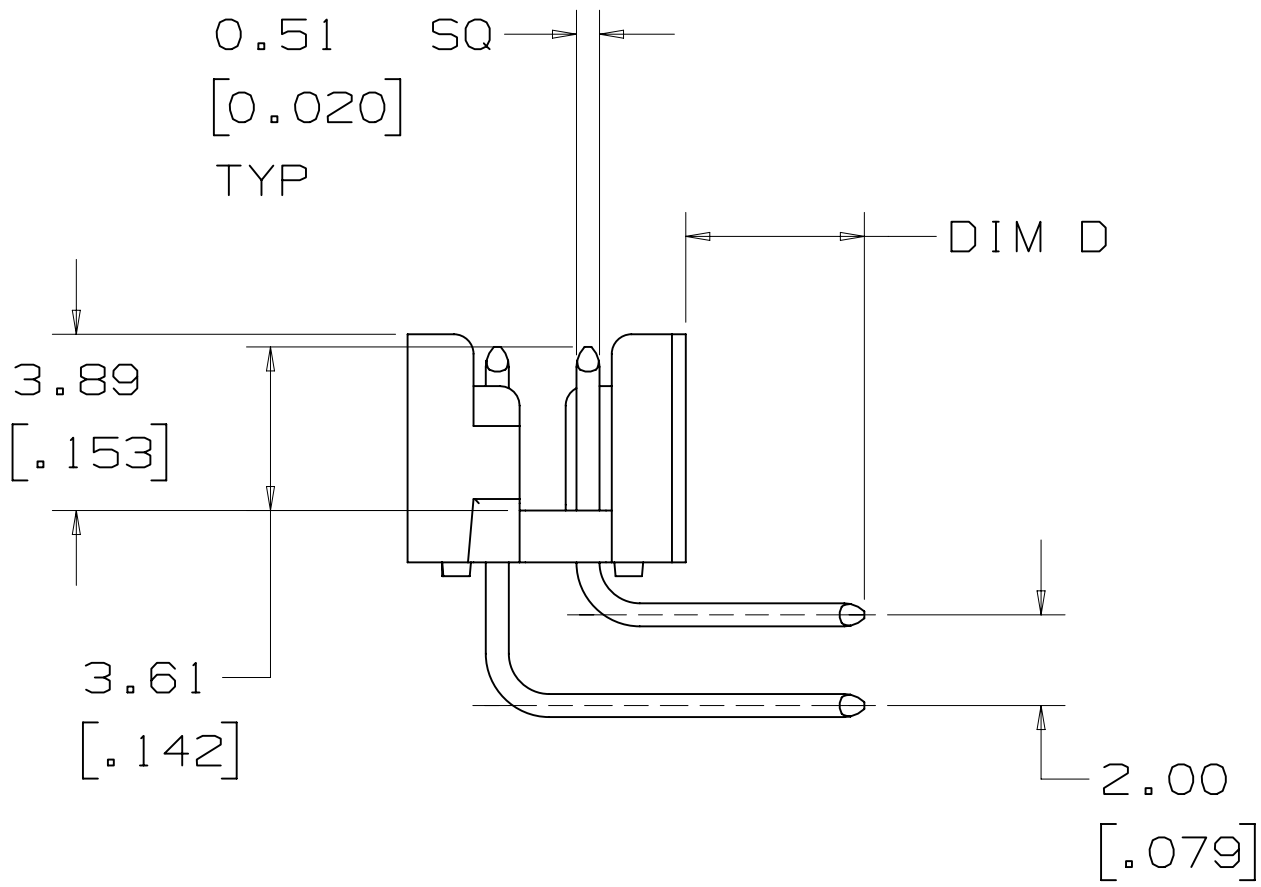
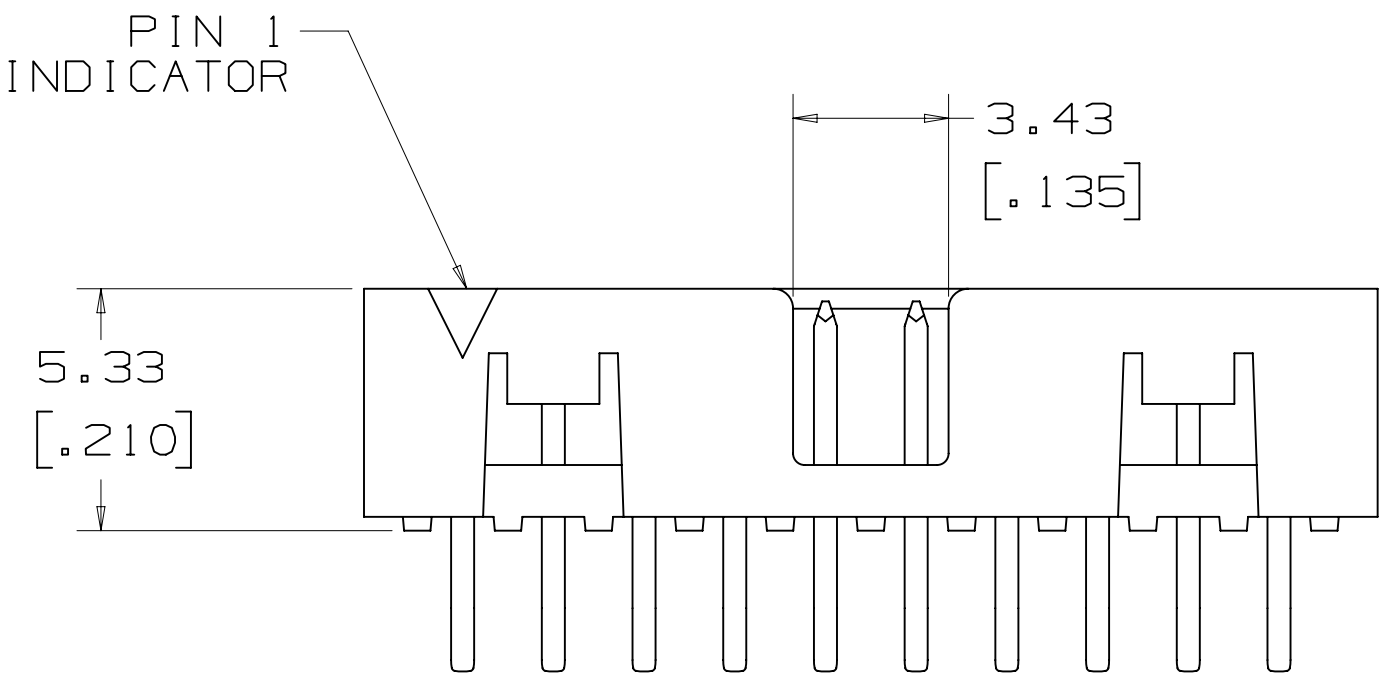
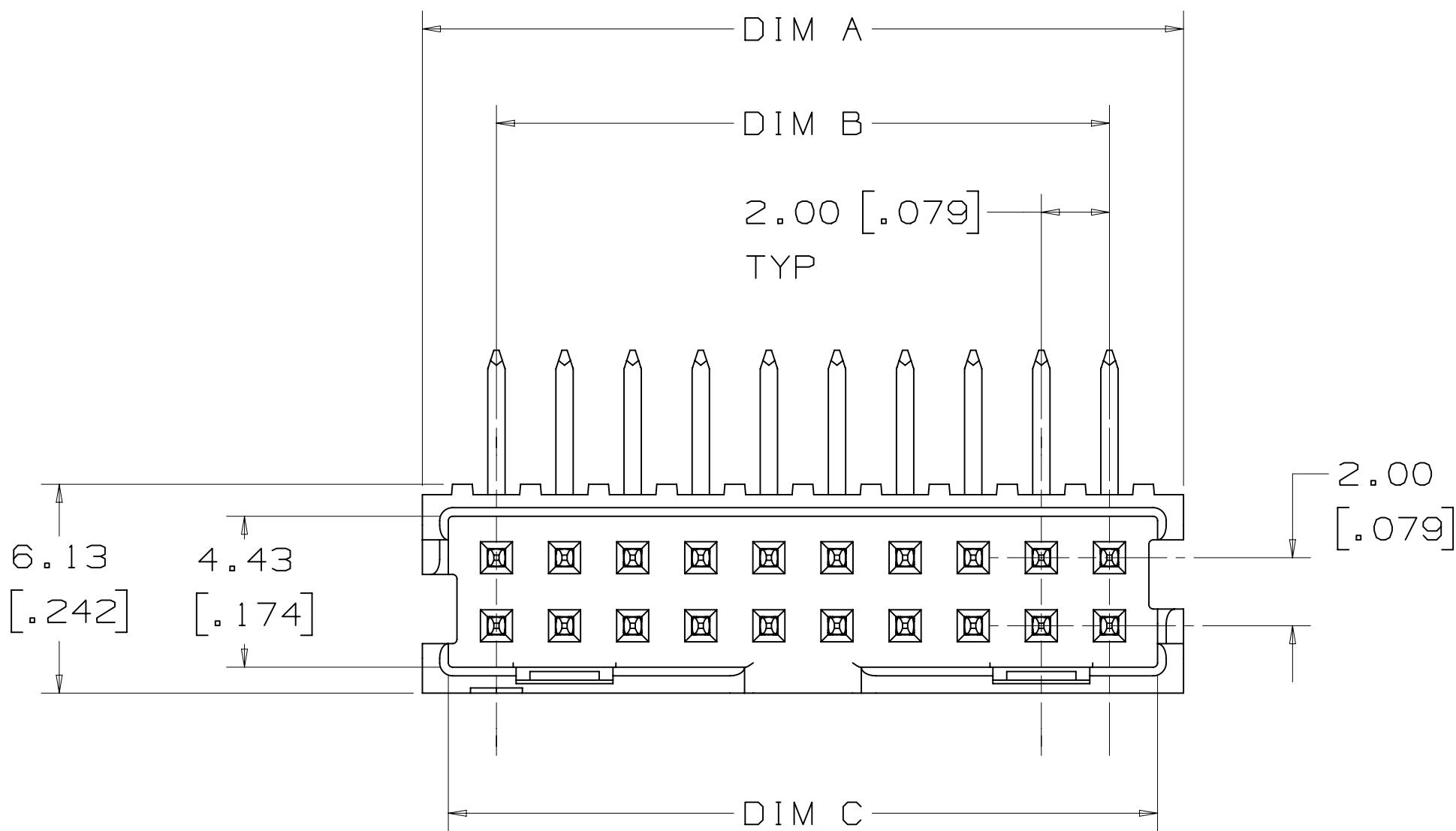
PERFORMANCE [5][7]	
CURRENT:	1A, 6 LINES ENERGIZED
INSULATION RESISTANCE:	>1 X 10 ⁹ OHMS AT 500 VDC
WITHSTANDING VOLTAGE:	500 VACrms AT SEA LEVEL
TEMPERATURE RATING:	-55° C TO +105° C
SOLDER PROCESS TEMPERATURE:	260° C MAX PER IPC/JEDEC J-STD-020D

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

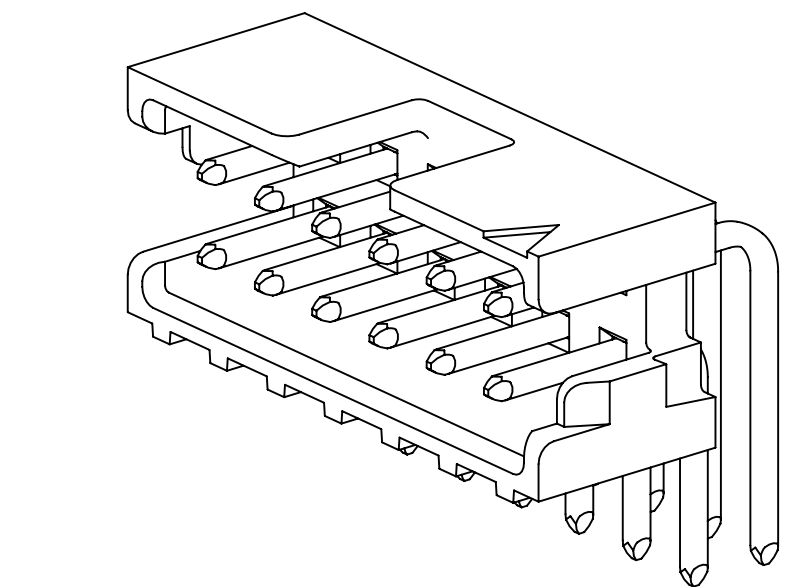
METRIC [ENGLISH]

A 3074		OCT 28, 2010		LDS		SF	
INITIAL REVISION							
REV ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
DRFT L. SCHMIDT		DATE JUL 29, 2010		MFG		DATE	
CHKD		DATE		APPROV S. FELDMAN		DATE AUG 09, 2010	
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2010			
DO NOT SCALE DRAWING		SCALE 1/6		TOLERANCES EXCEPT AS NOTED			
THIRD ANGLE PROJECTION		INCHES		3M Center St. Paul, MN 55144			
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS		This document and the information it contains are 3M property and may not be reproduced or further distributed without the 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
MAX SURFACE ROUGHNESS 125		ANGLES ± 1°		TITLE 3M SHROUDED BOARD MOUNT HEADER 2 MM X 2 MM PITCH 159 SERIES			
□ ALL SURFACES ✓ MARKED ONLY		CAGE NUMBER		SIZE		DRAWING NO.	
		D		78-5100-2359-7		REV. A	
MODEL		DET. LISTS		YES		NO	
		SHT 1		OF 4			

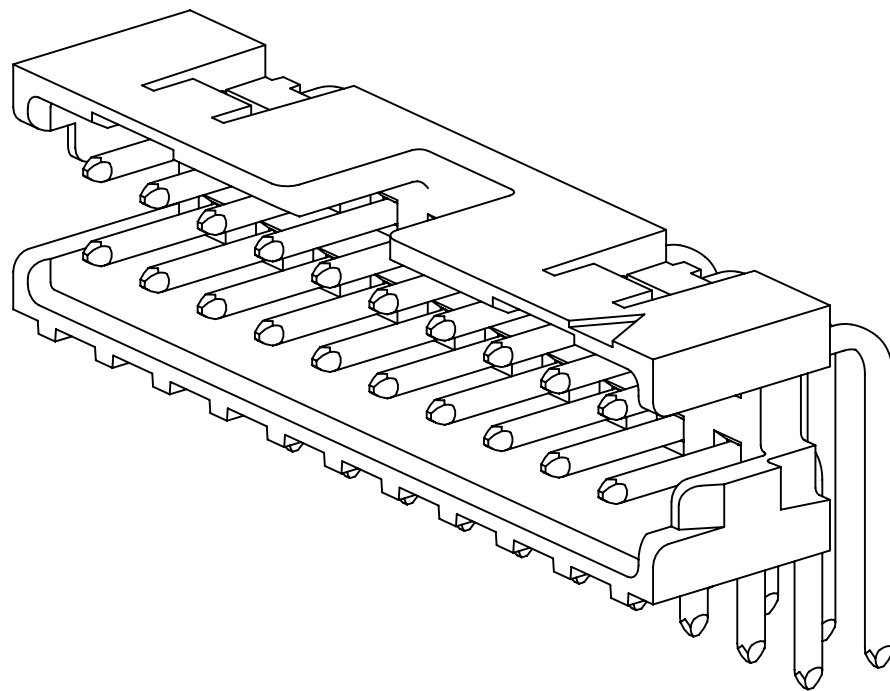
3M™ Shrouded Board Mount Header 2 mm X 2 mm Pitch 159 Series, Standard Length [3] and Extended Length [4]



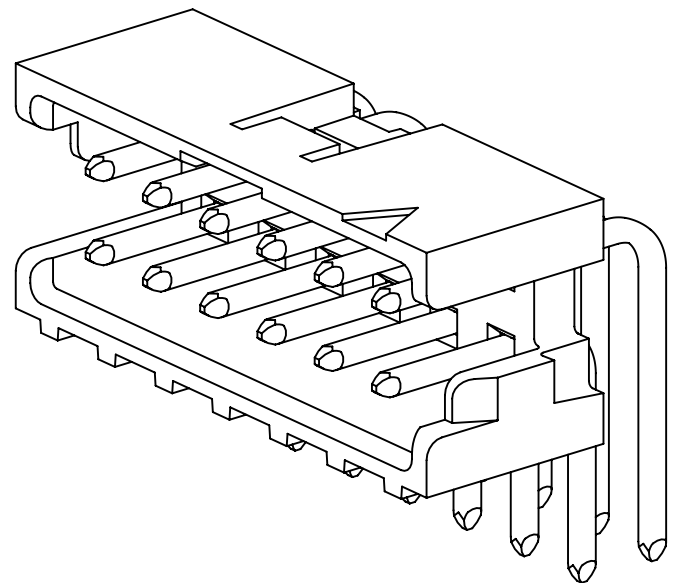
RECOMMENDED PCB HOLE PATTERN
TOLERANCE = ±0.05 [.002]



POLARIZATION SLOT
RIGHT ANGLE HEADER
6-12 POSITIONS ONLY



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



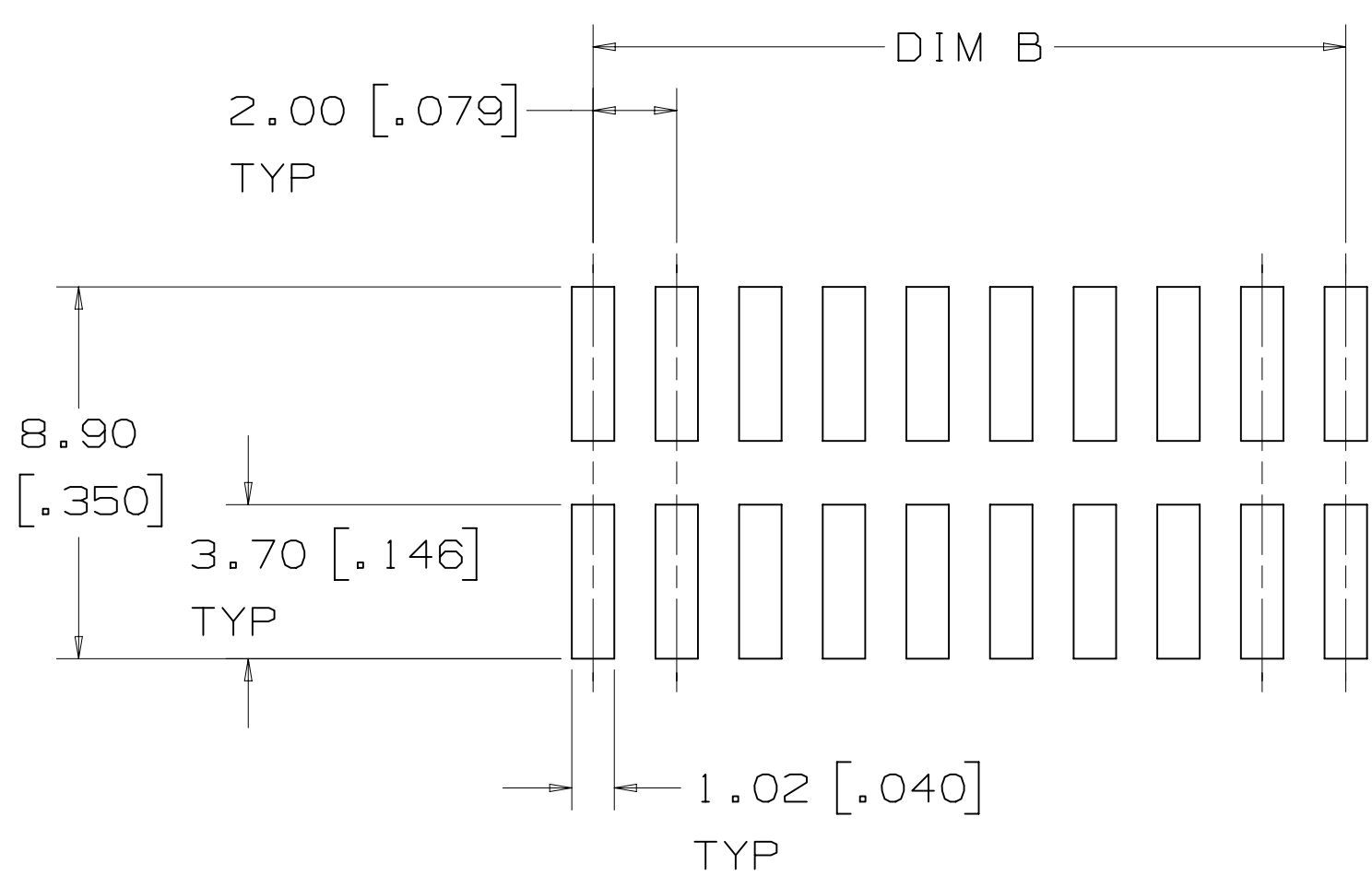
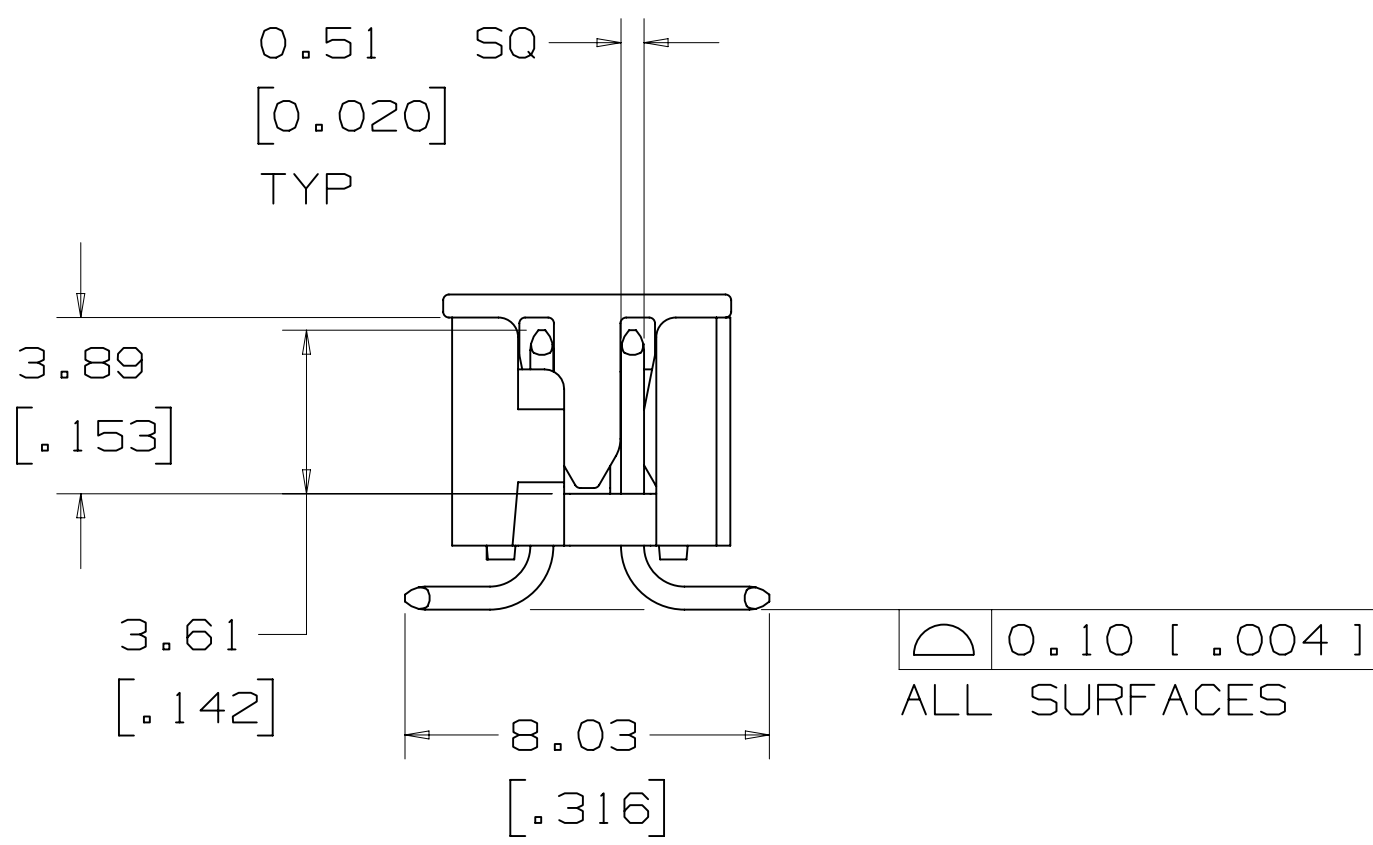
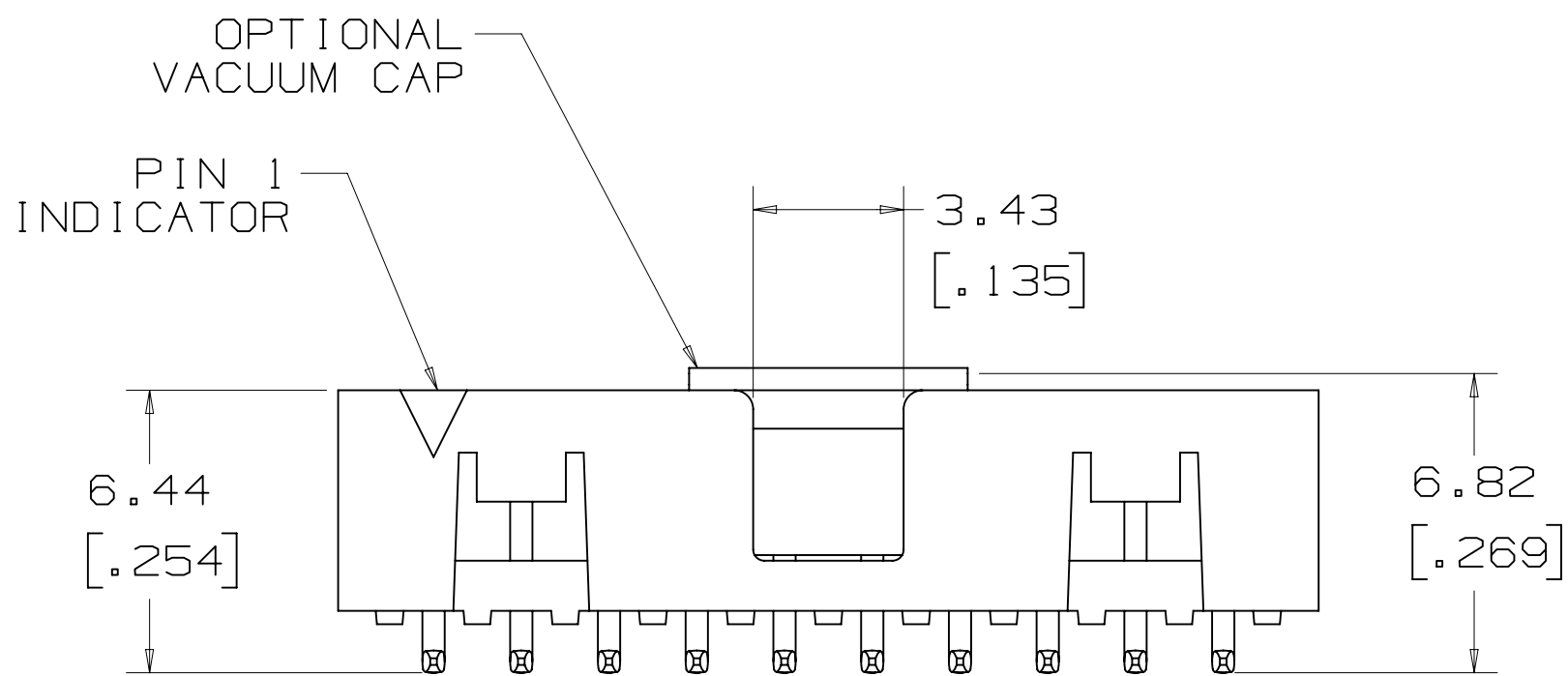
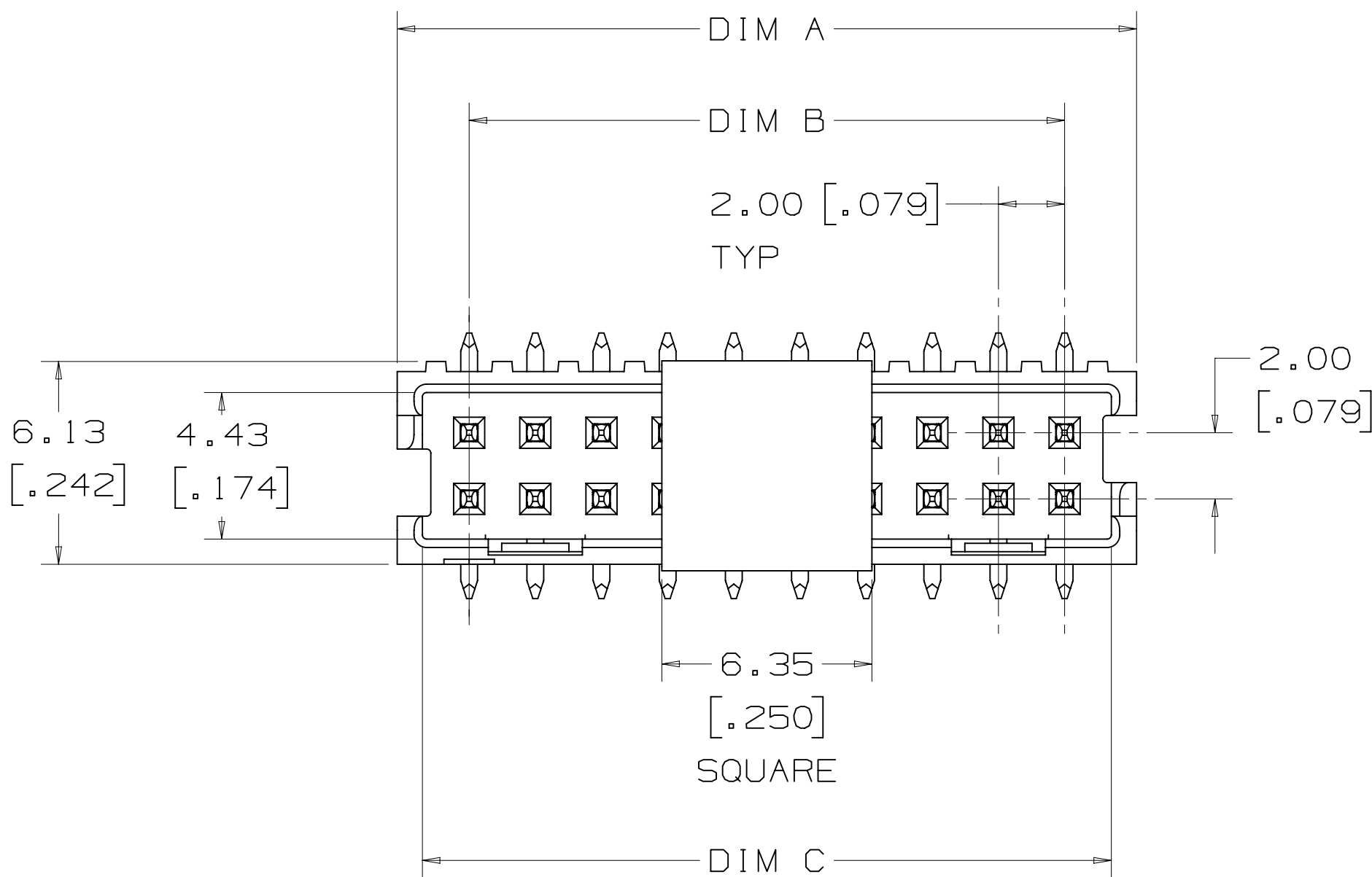
SINGLE FRICTION LATCH
RIGHT ANGLE HEADER
6-12 POSITIONS ONLY

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

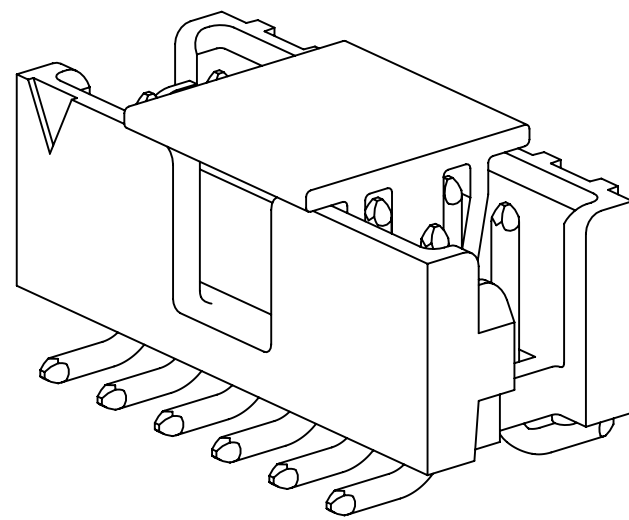
METRIC [ENGLISH]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
159-100-2359-7				L.	SCHMIDT	DATE	JUL 29, 2010	MFG	DATE
DIVISION		DIVISION CODE		CHKD	S	FELDMAN	DATE	AUG 09, 2010	REV.
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		INCHES			
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS		MILLIMETERS			
MAX SURFACE ROUGHNESS		125 / ALL SURFACES		ANGLES ±1°		CAGE NUMBER			
						DRAWING NO.			
						REV.			
						SHT 2 OF 4			

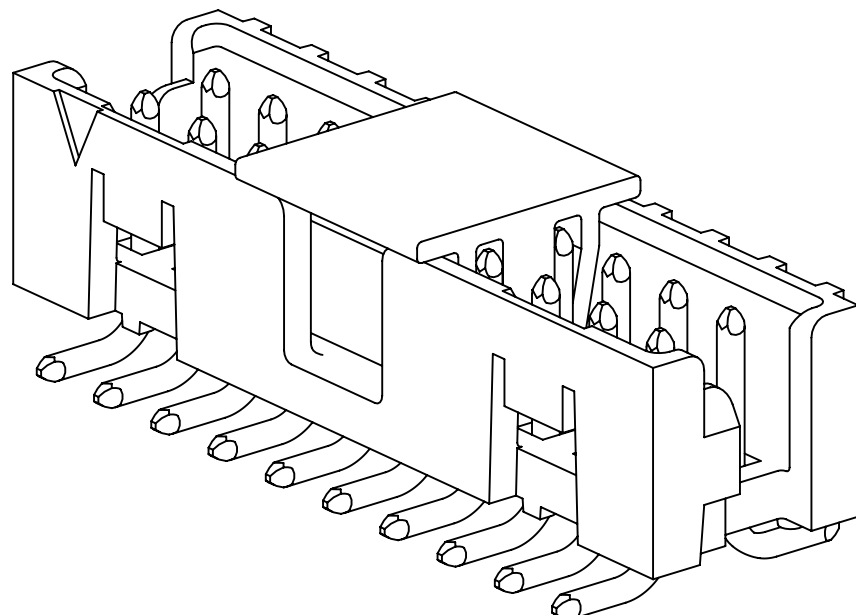
3M™ Shrouded Board Mount Header 2 mm X 2 mm Pitch 159 Series, Standard Length [3] and Extended Length [4]



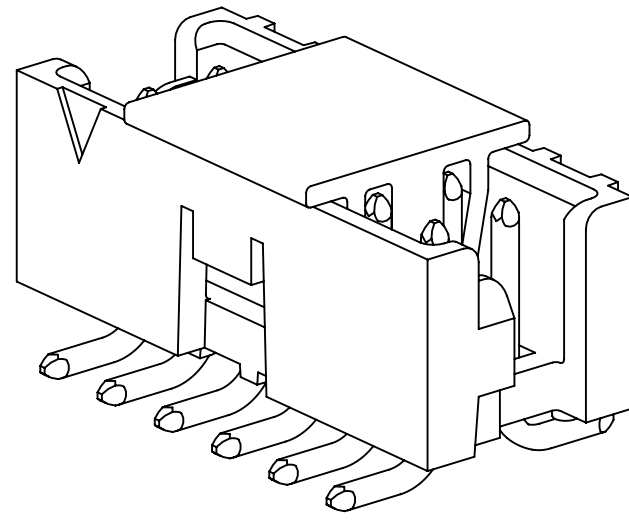
RECOMMENDED PCB PAD PATTERN
TOLERANCE = ±0.08 [0.003]



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

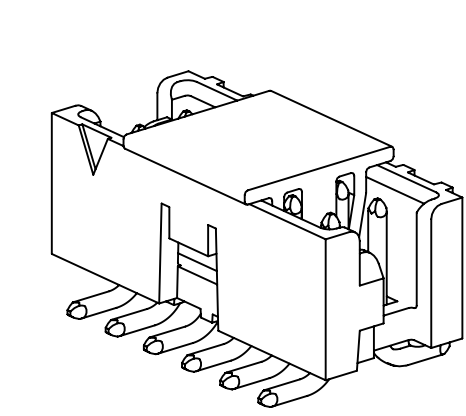
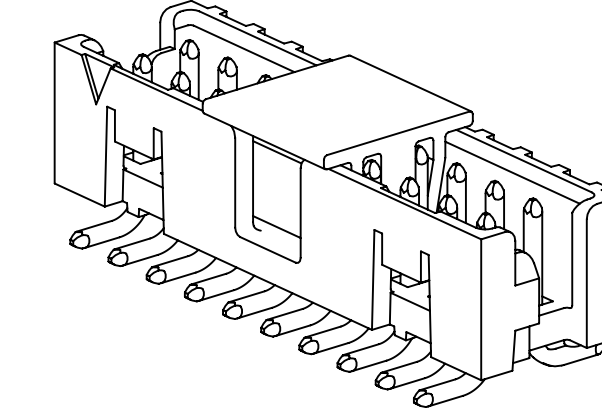
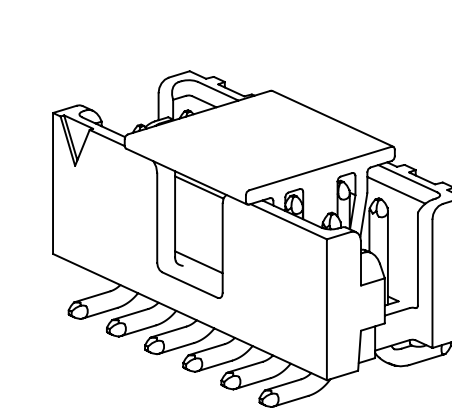
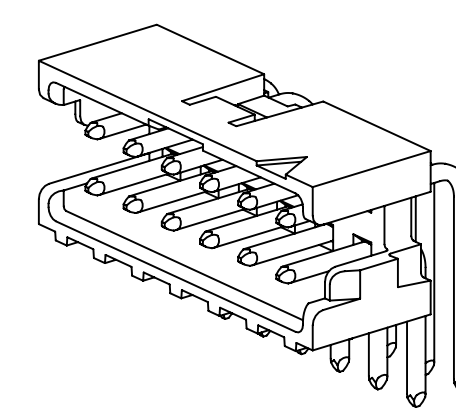
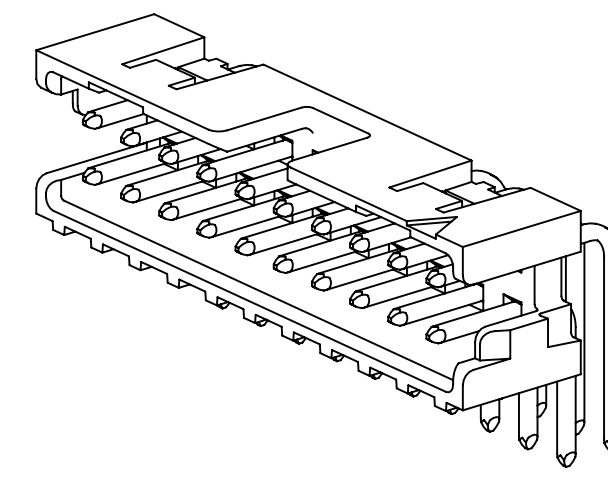
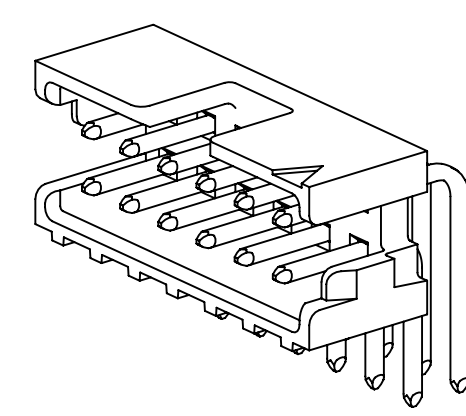
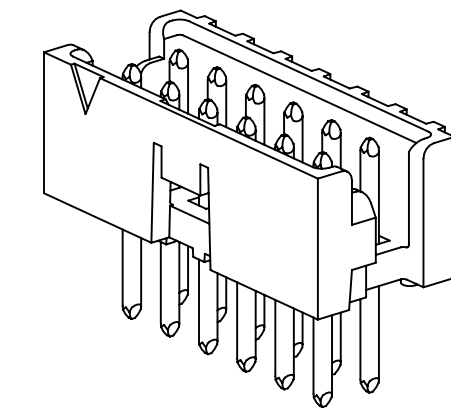
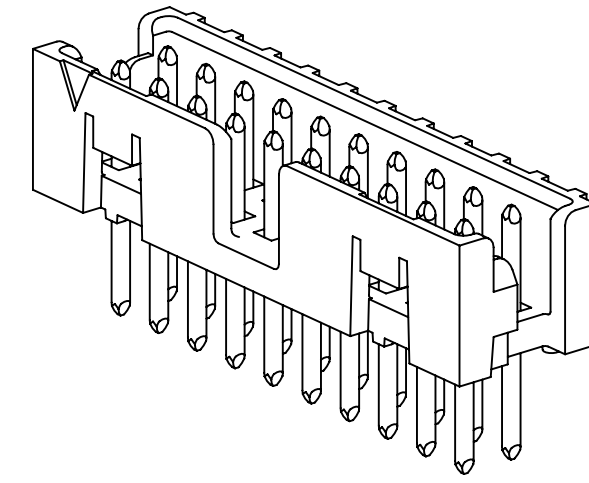
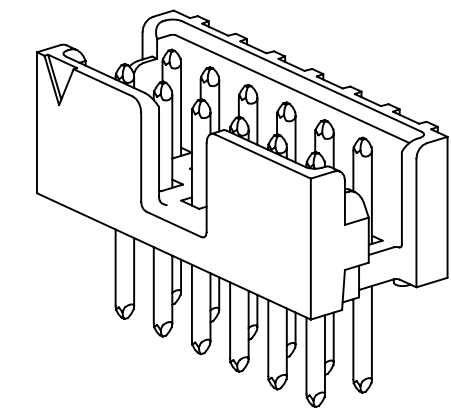
REFERENCE TABLE ON SHEET 4
FOR AVAILABLE POSITIONS

METRIC [ENGLISH]

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
DIST		L. SCHMIDT		DATE		JUL 29, 2010		MFG		DATE		APPR	
DIVISION		DIVISION CODE		CHKD		DATE		APPR		DATE		APPR	
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		ANGLES ±1°		CAGE NUMBER		DRAWING NO.		REV.	
125		D		78-5100-2359-7		A		MODEL		DET		SHT 3 OF 4	

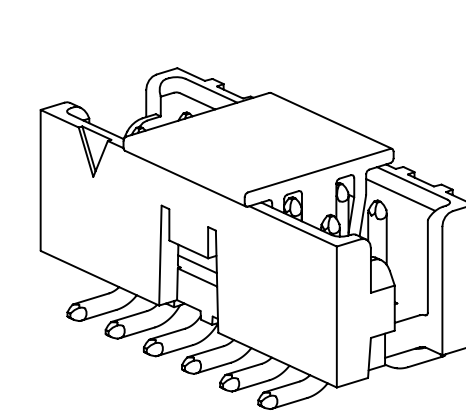
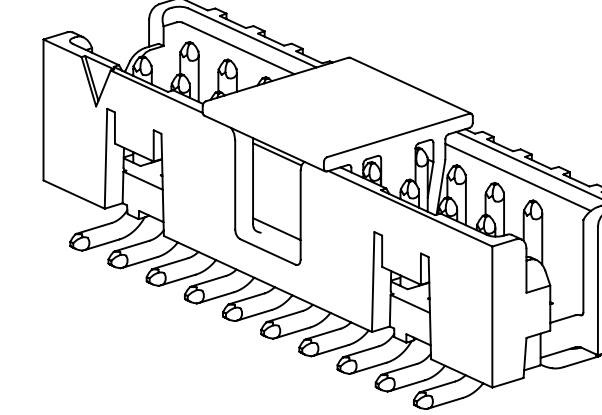
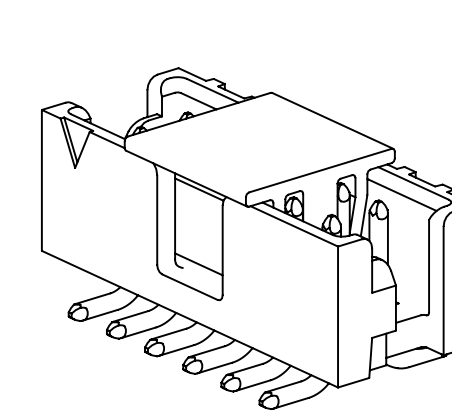
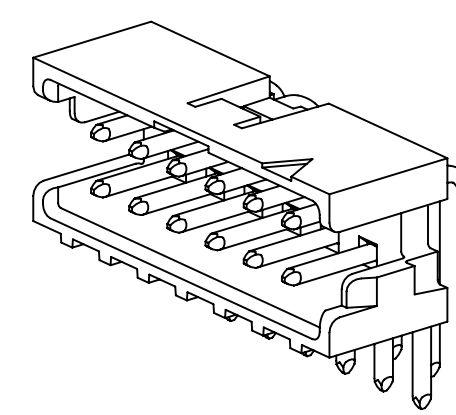
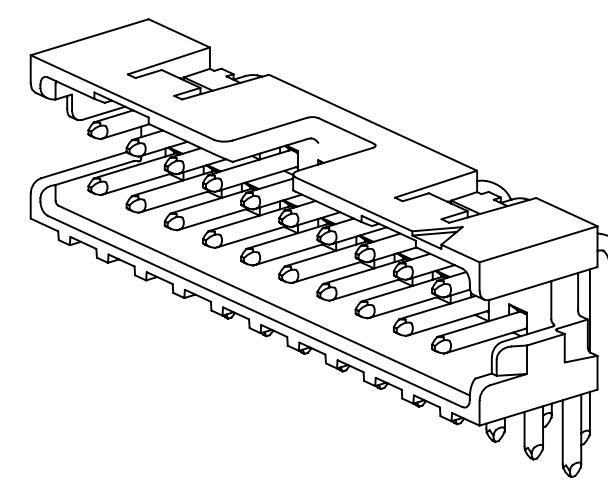
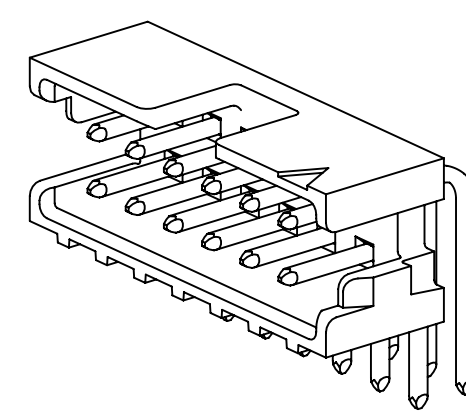
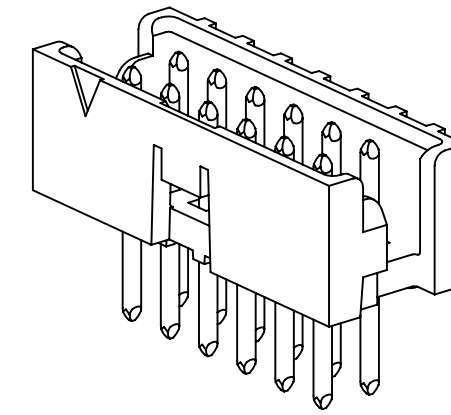
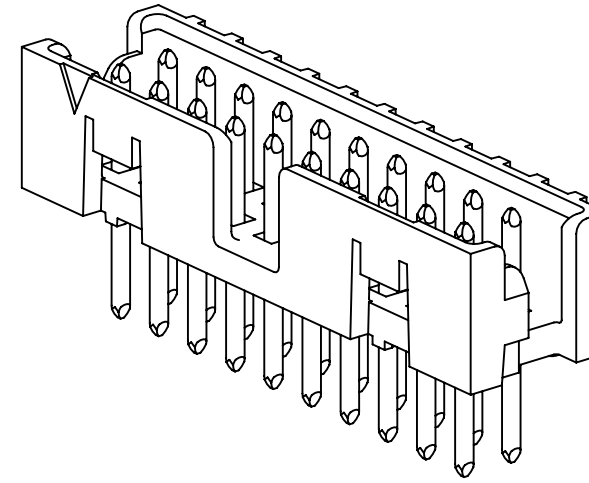
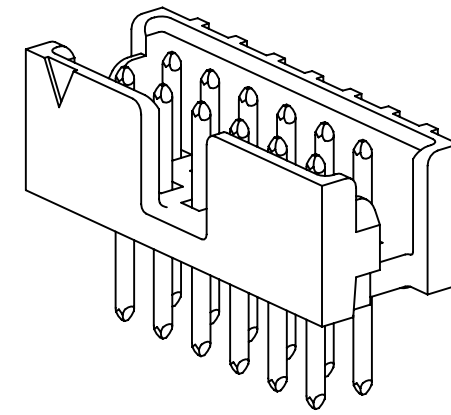
3M™ Shrouded Board Mount Header 2 mm X 2 mm Pitch 159 Series, Standard Length 3

STANDARD LENGTH HEADERS
ARE AVAILABLE



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

CALL 3M INTERCONNECT SOLUTIONS
AT 800-225-5373 FOR AVAILABILITY
OF EXTENDED LENGTH HEADERS



ORDERING INFORMATION

TIER 1 - BEST

1591XX-XXXX

TIER _____

1 = BEST 0.76 μm
[30 μin] GOLD

POSITION COUNT
(SEE TABLE)

PART CONFIGURATION _____
 2 = VERTICAL SMT
 5 = RIGHT ANGLE THRU HOLE
 6 = VERTICAL THRU HOLE

BODY LENGTH-----
0 = STANDARD LENGTH
 (MATES TO 158 SERIES)
1 = EXTENDED LENGTH
 (MATES TO 870 SERIES)

```

- CONTACT TAIL LENGTH
2 = 2.84 mm [ .112 ]
3 = 3.94 mm [ .155 ]

```

```

- POLARIZATION/LATCHING
0 = POLARIZATION SLOT AND
    DUAL FRICTION LATCHES
    (14-50 POSITIONS ONLY)
1 = POLARIZATION SLOT
    (6-12 POSITIONS ONLY)
2 = SINGLE FRICTION LATCH
    (6-12 POSITIONS ONLY)

```

TIER 2 - BETTER

1592XX-XXXX

TIER 2 = BETTER 0.38 μ m
[15 μ in] GOLD

POSITION COUNT
(SEE TABLE)

PART CONFIGURATION _____
 2 = VERTICAL SMT
 5 = RIGHT ANGLE THRU HOLE
 6 = VERTICAL THRU HOLE

BODY LENGTH-----
0 = STANDARD LENGTH
 (MATES TO 158 SERIES)
1 = EXTENDED LENGTH
 (MATES TO 870 SERIES)

```

CONTACT TAIL LENGTH
2 = 2.84 mm [ .112 ]
3 = 3.94 mm [ .155 ]

```

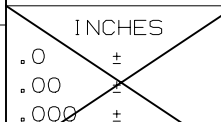
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- POLARIZATION/LATCHING
0 = POLARIZATION SLOT AND
    DUAL FRICTION LATCHES
    (14-50 POSITIONS ONLY)
1 = POLARIZATION SLOT
    (6-12 POSITIONS ONLY)
2 = SINGLE FRICTION LATCH
    (6-12 POSITIONS ONLY)

```

NUMBER OF POSITIONS	SHROUDED BOX HEADER						
	DIM A		DIM B	DIM C		DIM D	
	STANDARD	EXTENDED		STANDARD	EXTENDED		
6	8.35 [.329]	9.52 [.375]	4.00 [.157]	6.83 [.269]	7.99 [.315]	2.84 [.112]	3.94 [.155]
8	10.35 [.407]	11.52 [.453]	6.00 [.236]	8.83 [.347]	9.99 [.393]	2.84 [.112]	3.94 [.155]
10	12.35 [.486]	13.52 [.532]	8.00 [.315]	10.83 [.426]	11.99 [.472]	2.84 [.112]	3.94 [.155]
12	14.35 [.565]	15.52 [.611]	10.00 [.394]	12.83 [.505]	13.99 [.551]	2.84 [.112]	3.94 [.155]
14	16.36 [.644]	17.52 [.690]	12.00 [.472]	14.83 [.584]	15.99 [.630]	2.84 [.112]	3.94 [.155]
16	18.35 [.722]	19.52 [.768]	14.00 [.551]	16.83 [.662]	17.99 [.708]	2.84 [.112]	3.94 [.155]
20	22.35 [.880]	23.52 [.926]	18.00 [.709]	20.83 [.820]	21.99 [.866]	2.84 [.112]	3.94 [.155]
22	24.35 [.959]	25.52 [1.005]	20.00 [.787]	22.83 [.899]	23.99 [.945]	2.84 [.112]	3.94 [.155]
24	26.35 [1.037]	27.52 [1.083]	22.00 [.866]	24.83 [.977]	25.99 [1.023]	2.84 [.112]	3.94 [.155]
26	28.35 [1.116]	29.52 [1.162]	24.00 [.945]	26.83 [1.056]	27.99 [1.102]	2.84 [.112]	3.94 [.155]
30	32.35 [1.274]	33.52 [1.320]	28.00 [1.102]	30.83 [1.214]	31.99 [1.260]	2.84 [.112]	3.94 [.155]
34	36.35 [1.431]	37.52 [1.477]	32.00 [1.260]	34.83 [1.371]	35.99 [1.417]	2.84 [.112]	3.94 [.155]
40	42.35 [1.667]	43.52 [1.713]	38.00 [1.496]	40.83 [1.607]	41.99 [1.653]	2.84 [.112]	3.94 [.155]
44	46.35 [1.825]	47.52 [1.871]	42.00 [1.654]	44.83 [1.765]	45.99 [1.811]	2.84 [.112]	3.94 [.155]
50	52.35 [2.061]	53.52 [2.107]	48.00 [1.890]	50.83 [2.001]	51.99 [2.047]	2.84 [.112]	3.94 [.155]

METRIC [ENGLISH]

DESIGN REFERENCE				NEXT ASSEMBLY				A 30741		OCT 28, 2010				LDS		SF							
REV				ECO				ISSUE DATE AND DESCRIPTION				DRFT				CHKD							
DISTANCE CODES				DPT L				SCHMIDT				MFG				DATE							
				CHD				DATE				APPR S FELDMAN				DATE AUG 09, 2010							
DIVISION								DIVISION CODE								3M Center St. Paul, MN 55144 © 3M COPYRIGHT 2010 This document and the information it contains are 3M property and may not be reproduced or further distributed without the prior 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.							
DO NOT SCALE DRAWING				SCALE 1 4				TOLERANCES EXCEPT AS NOTED															
				THIRD ANGLE PROJECTION								TITLE 3M SHROUDED BOARD MOUNT HEADER 2 MM X 2 MM PITCH 159 SERIES											
MAX SURFACE ROUGHNESS 125				☐ ALL SURFACES ☒ MARKED ONLY				MILLIMETERS 0 ± 0.0 ± 0.00 ±0.13 0.000 ±				CASE NUMBER D 78-5100-2359-7				REV. A							
ANGLES ±1°								MODEL				DET. LISTS ☐ YES ☒ NO				SHT 4 OF 4							



**Стандарт
Электрон
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

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Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

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С нами вы становитесь еще успешнее!

Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331