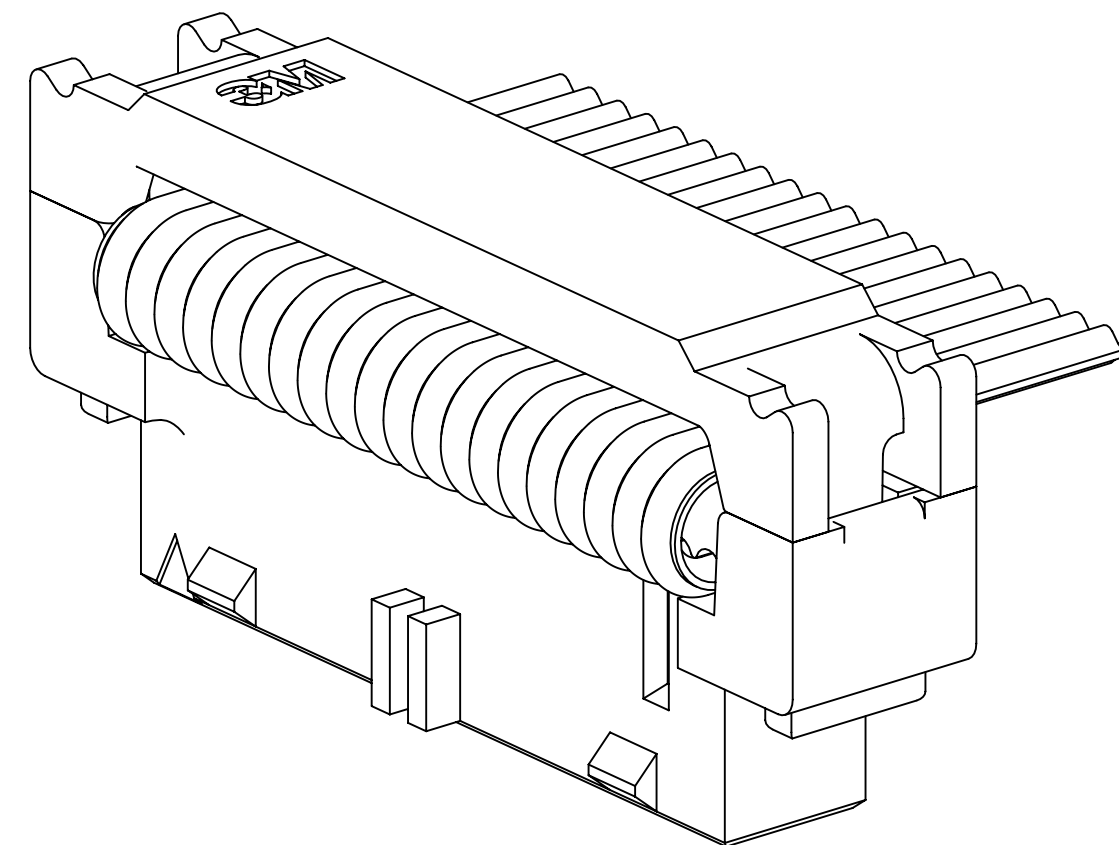
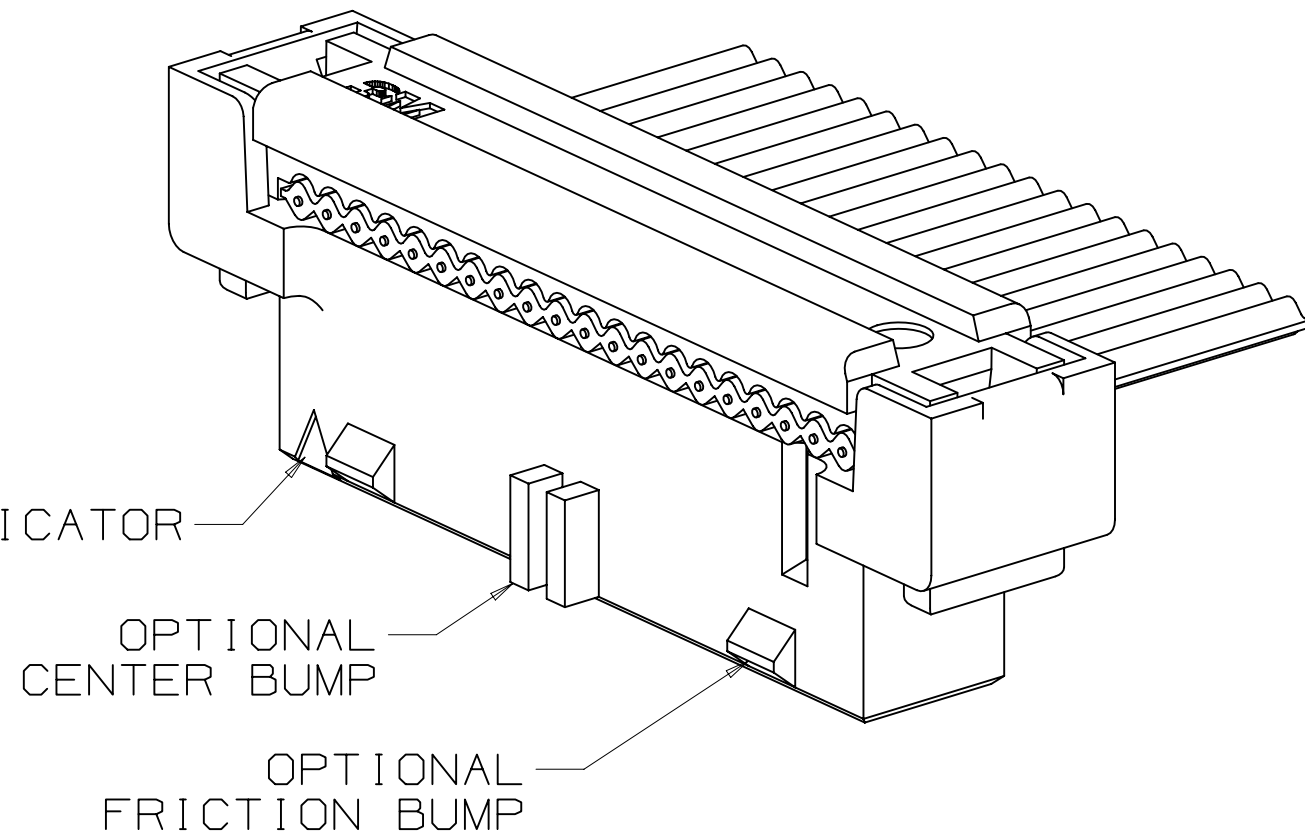
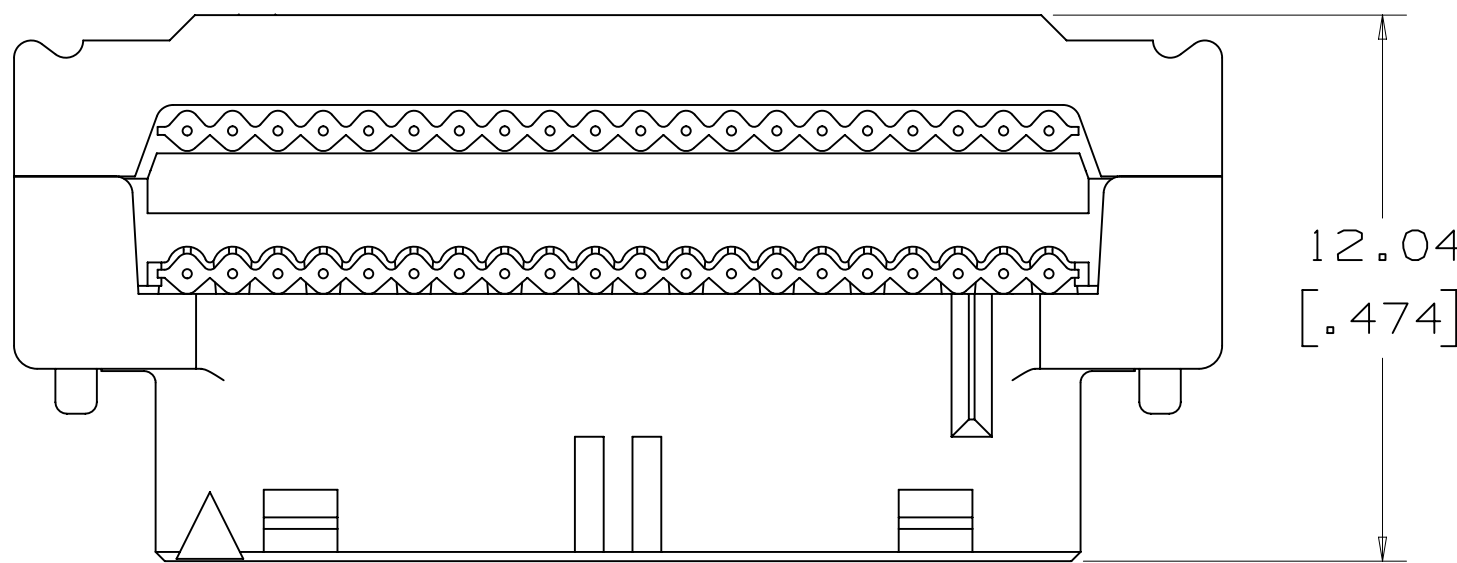
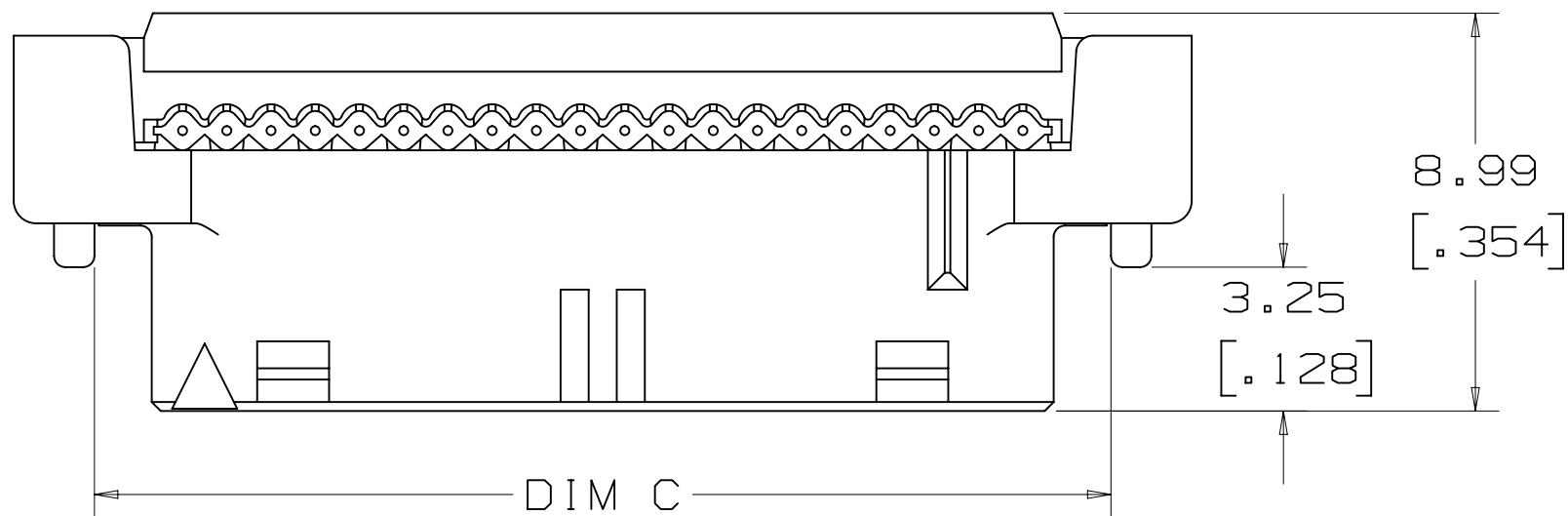
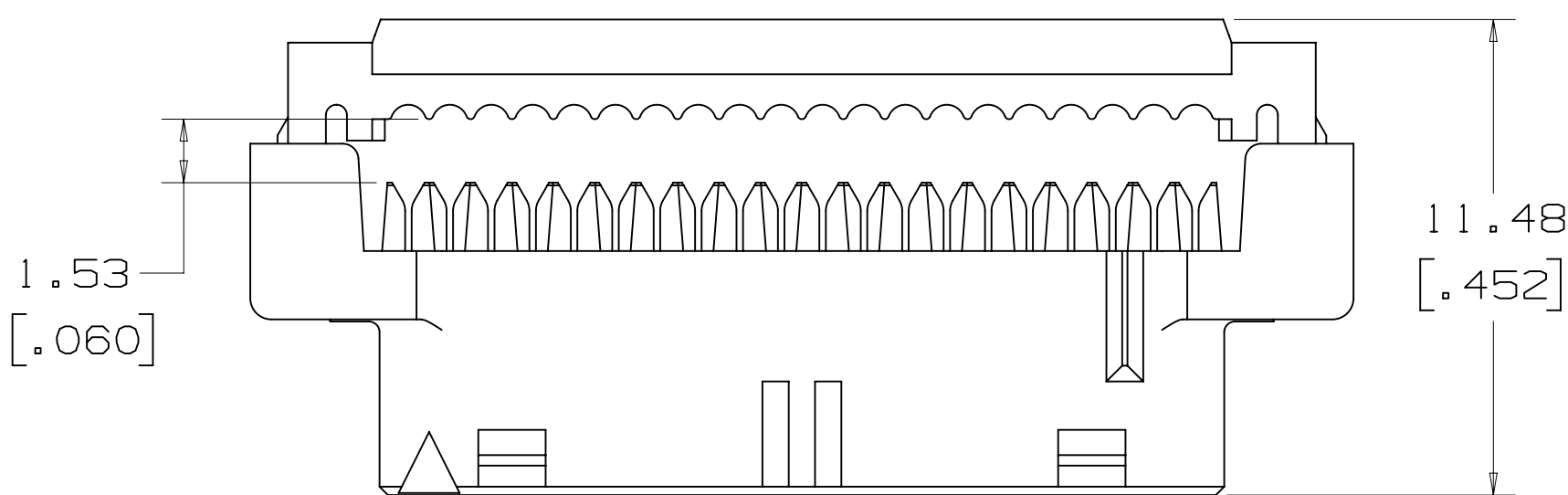
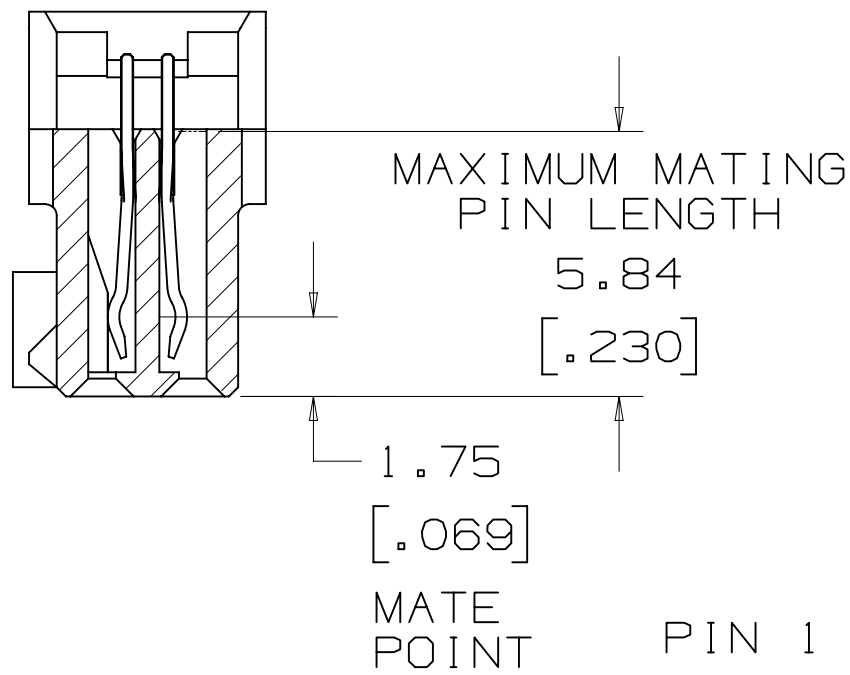
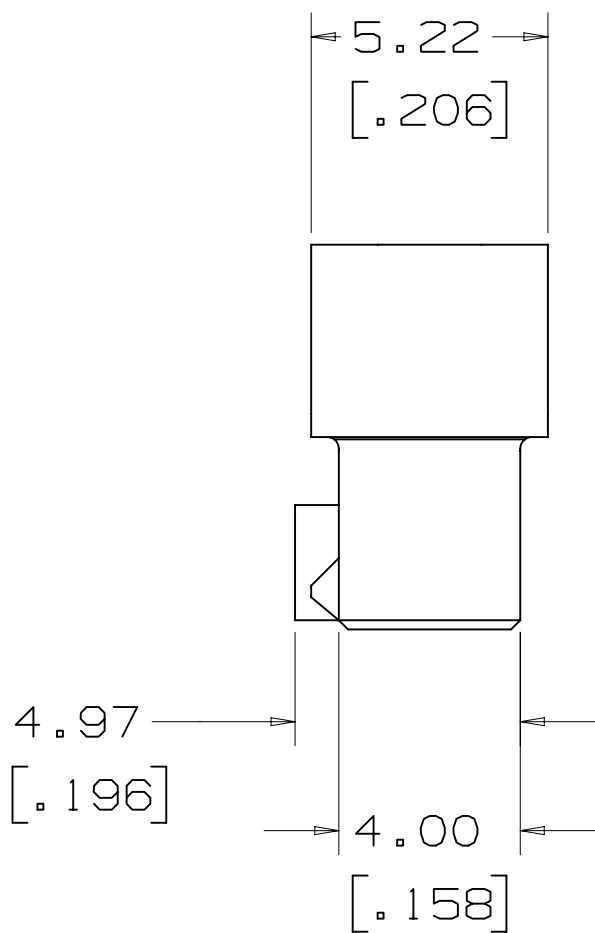
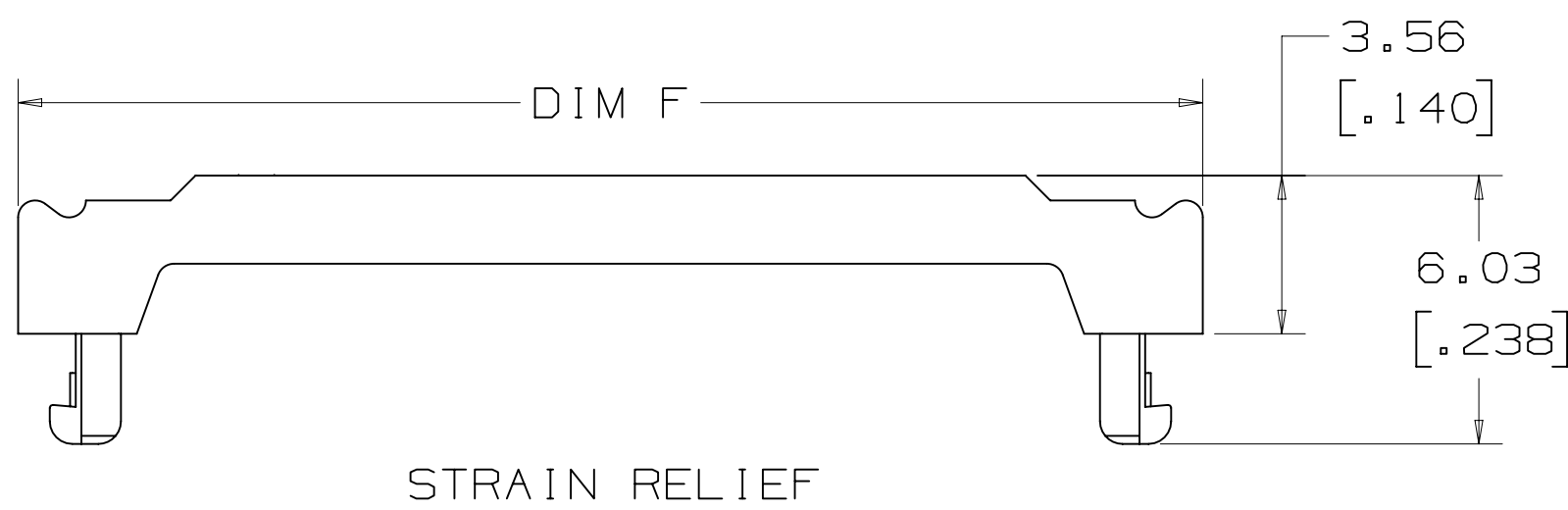
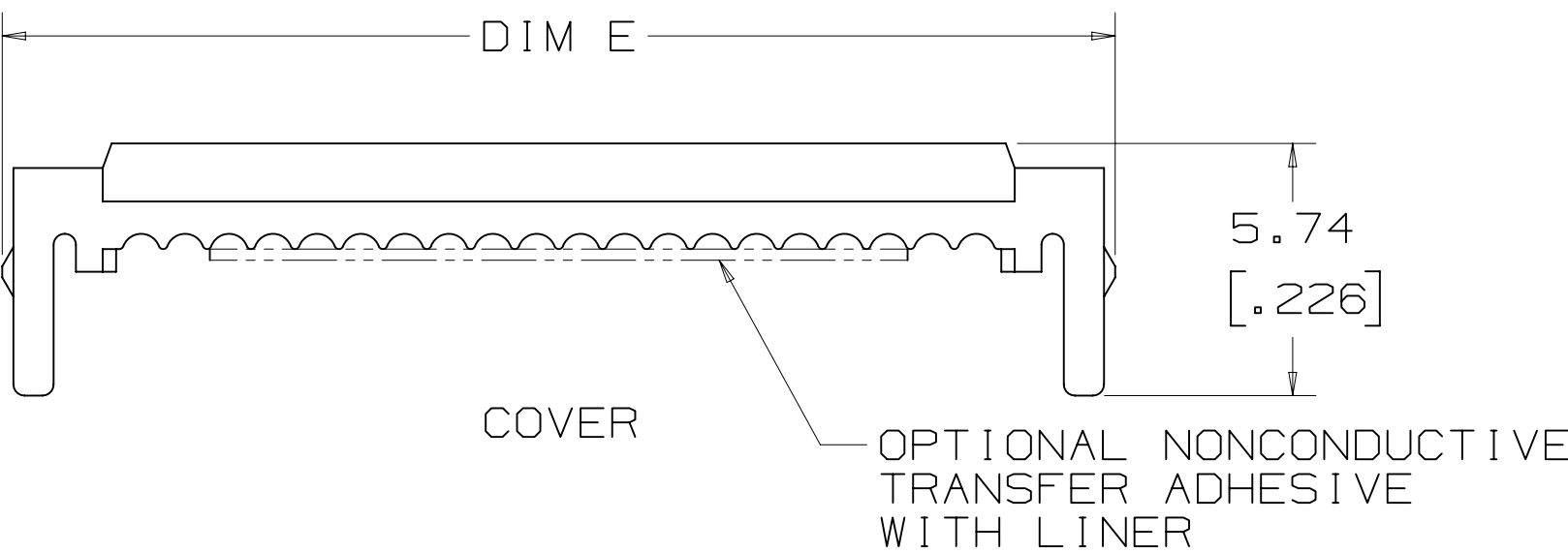
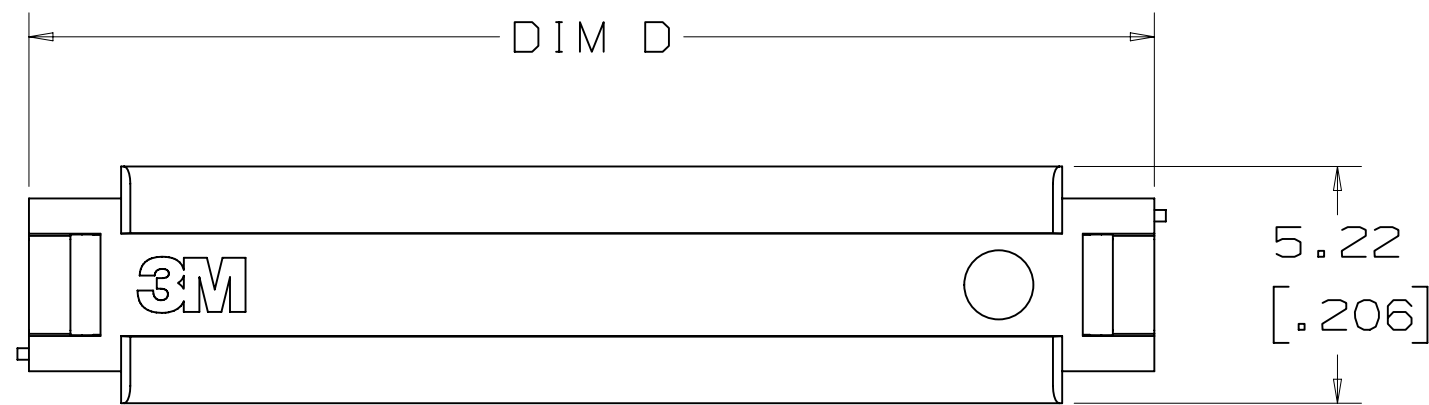
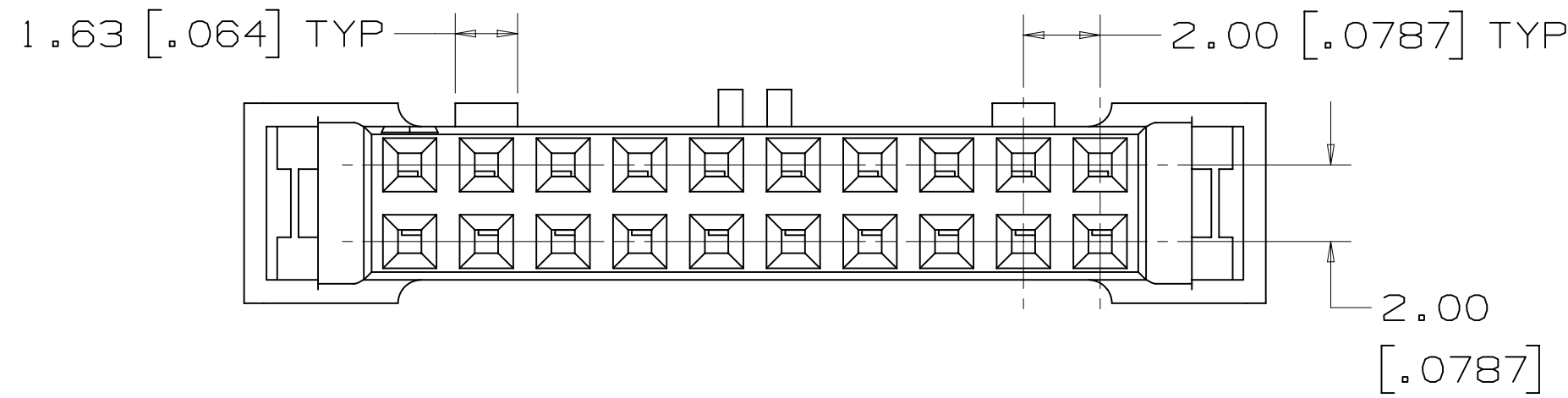
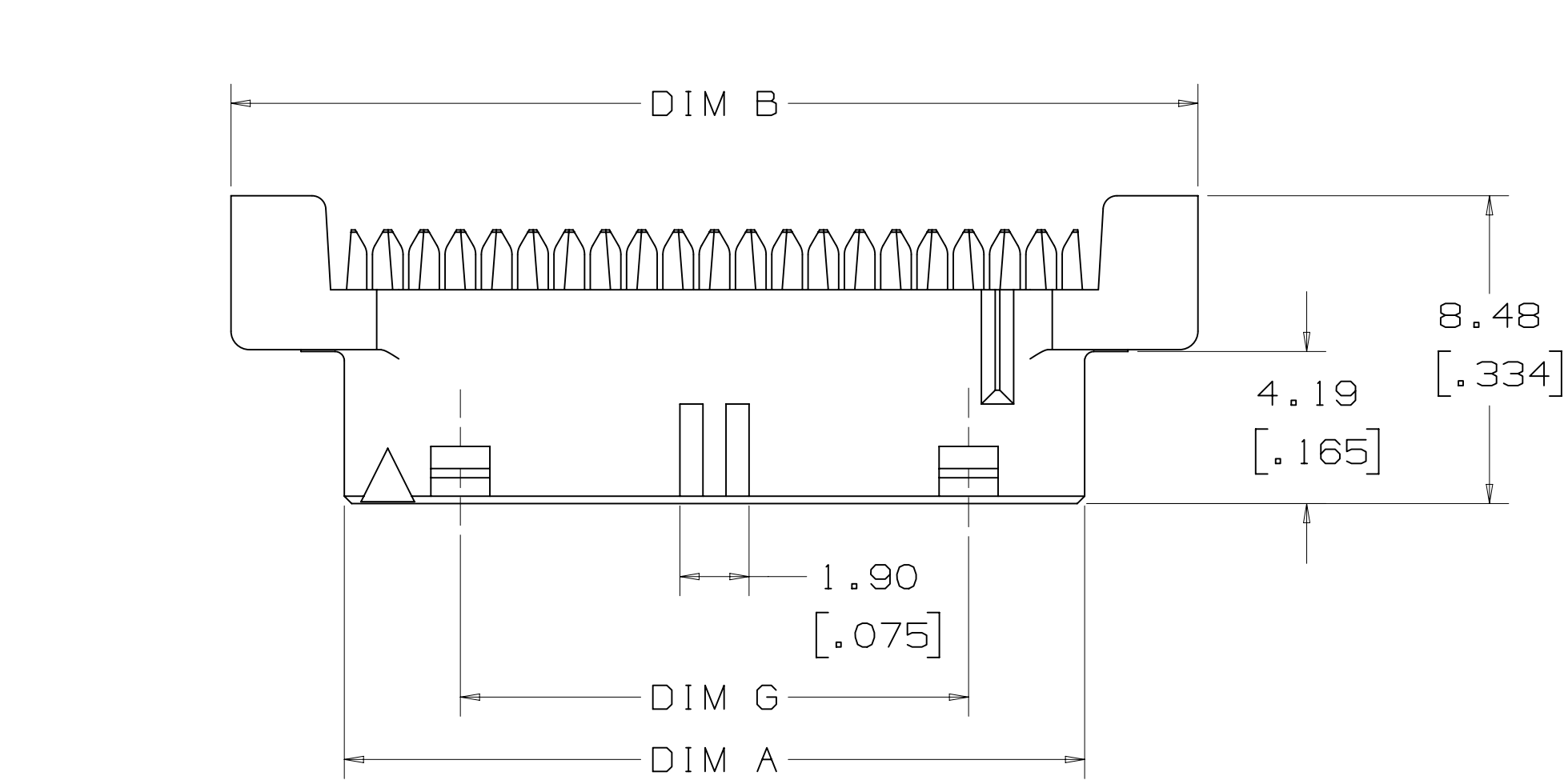


3M™ Ribbon Cable Socket 2 mm X 2 mm Pitch 158 Series



PERFORMANCE [7][8]	
CURRENT:	1.25 A, ALL LINES ENERGIZED 2.75 A, 6 LINES ENERGIZED 4.75 A, 1 LINE ENERGIZED
INSULATION RESISTANCE:	>1X10 ⁹ OHMS AT 500 VDC
WITHSTANDING VOLTAGE:	500 VACrms AT SEA LEVEL
TEMPERATURE RATING:	-55°C TO +105°C

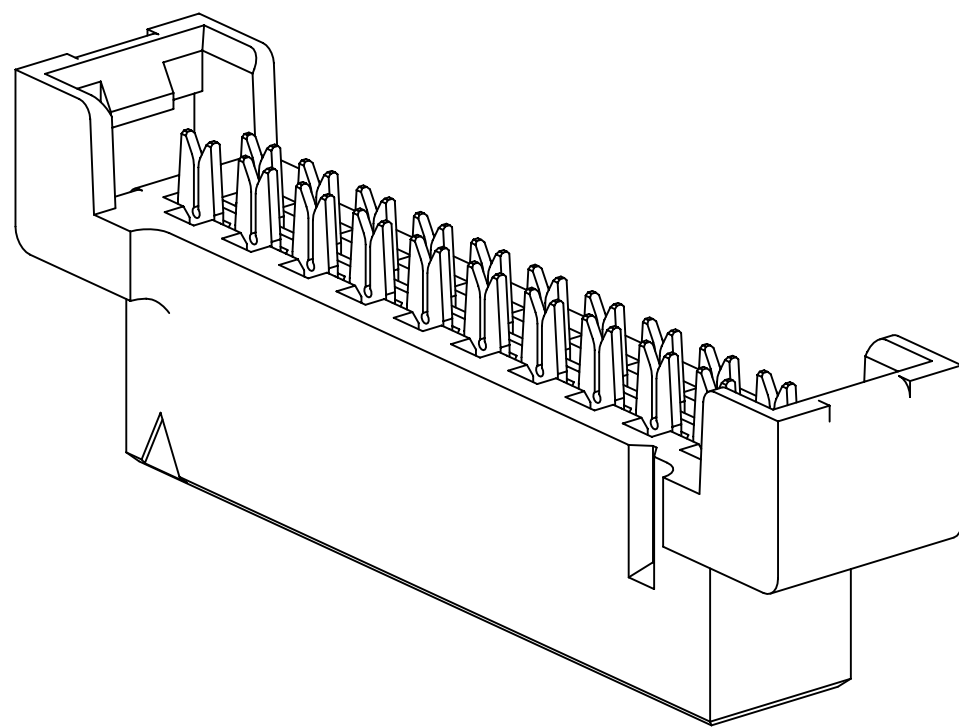
- NOTES
- MATERIAL:
BODY: HIGH TEMP GLASS
FILLED POLYESTER,
GRAY UL94V-0
CONTACTS: COPPER ALLOY
 - PLATING:
2.03-3.81 μ m [80-150 μ in]
NICKEL UNDERPLATE
0.38 μ m [15 μ in] OR
0.76 μ m [30 μ in] AVG
GOLD ON WIPING AREA.
 - RIBBON CABLE:
RECOMMENDED: 3M™ 3625
(28 AWG, 7 STRAND).
 - APPLICATION TOOLS:
3460 PRESS (OR EQUIVALENT)
3443-119 LOCATOR PLATE,
3442-9 PLATEN
SEE 3M INSTRUCTION SHEET
78-9101-2810-3.
 - MATES WITH 3M™ HEADERS
159 SERIES (REFERENCE 3M
DRAWING 78-5100-2359-7).
(0.51 mm [.020 in] SQ,
CROWNED PINS).
 - SEE THE REGULATORY
INFORMATION APPENDIX (RIA)
IN THE "RoHS COMPLIANCE"
SECTION OF
WWW.3MCONNECTOR.COM FOR
COMPLIANCE INFORMATION
(RIA E1 & C1 APPLY).
 - FOR PRODUCT SPECIFICATIONS
AND WARRANTY INFORMATION
SEE 3M 78-5102-0078-1.
 - IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND
THAT CONTAINED IN THE
PRODUCT SPECIFICATION,
THE PRODUCT SPECIFICATION
TAKES PRECEDENT.

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DIST. REF. CODES		DATE		DATE	DATE	DATE	DATE	DATE	DATE
DIVISION		DIVISION CODE		DATE	DATE	DATE	DATE	DATE	DATE
DO NOT SCALE DRAWING		SCALE 6-1		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°	
CAGE NUMBER		SIZE		DRAWING NO.		REV.		MODEL	
125		D		78-5100-2358-9		E		SHT 1 OF 3	

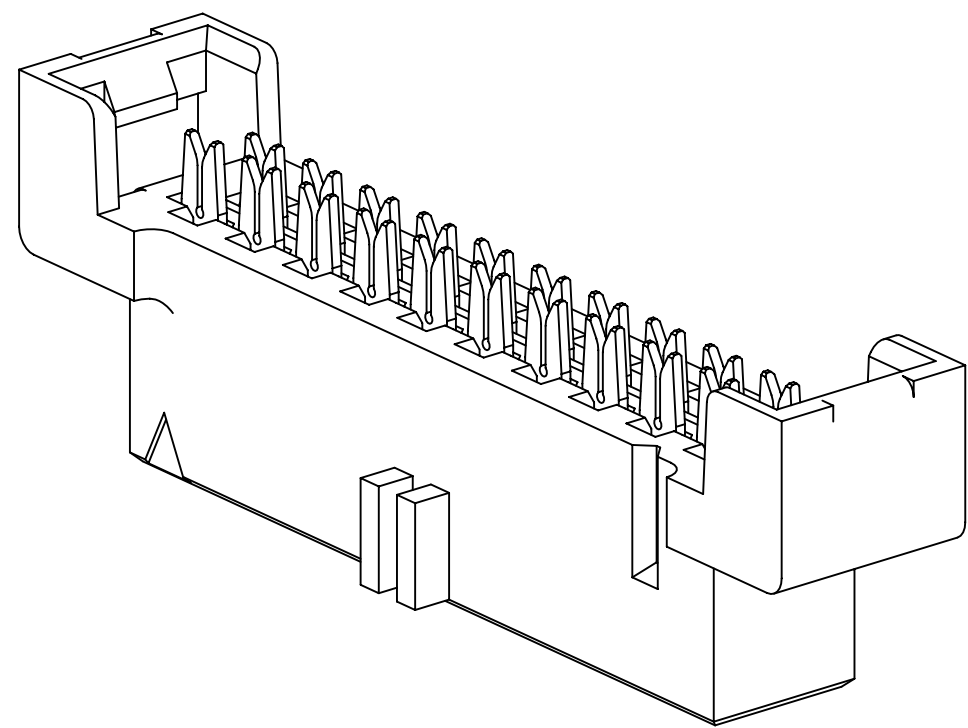
3M RIBBON CABLE
SOCKET 2 MM x 2 MM
PITCH 158 SERIES

3M™ Ribbon Cable Socket 2 mm X 2 mm Pitch 158 Series

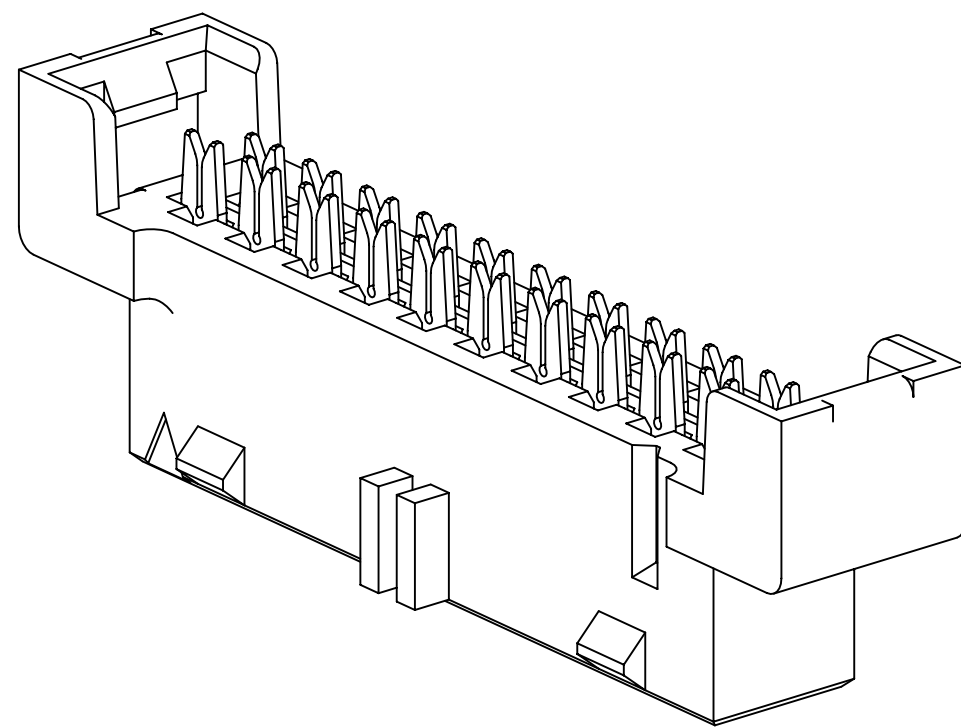
NUMBER OF POSITIONS	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G
6	6.39 [.252]	12.64 [.497]	8.98 [.354]	10.81 [.426]	11.32 [.446]	12.64 [.497]	N/A
8	8.39 [.330]	14.64 [.576]	10.98 [.432]	12.81 [.504]	13.32 [.524]	14.64 [.576]	N/A
10	10.39 [.409]	16.64 [.655]	12.98 [.511]	14.81 [.583]	15.32 [.603]	16.64 [.655]	N/A
12	12.39 [.488]	18.64 [.734]	14.98 [.590]	16.81 [.662]	17.32 [.682]	18.64 [.734]	N/A
14	14.39 [.567]	20.64 [.812]	16.98 [.669]	18.81 [.741]	19.32 [.761]	20.64 [.812]	8.00 [.315]
16	16.39 [.645]	22.64 [.891]	18.98 [.747]	20.81 [.819]	21.32 [.839]	22.64 [.891]	10.00 [.394]
20	20.39 [.803]	26.64 [1.049]	22.98 [.905]	24.81 [.977]	25.32 [.997]	26.64 [1.049]	14.00 [.551]
22	22.39 [.882]	28.64 [1.127]	24.98 [.984]	26.81 [1.056]	27.32 [1.076]	28.64 [1.127]	16.00 [.630]
24	24.39 [.960]	30.64 [1.206]	26.98 [1.062]	28.81 [1.134]	29.32 [1.154]	30.64 [1.206]	18.00 [.709]
26	26.39 [1.039]	32.64 [1.285]	28.98 [1.141]	30.81 [1.213]	31.32 [1.233]	32.64 [1.285]	20.00 [.787]
30	30.39 [1.197]	36.64 [1.442]	32.98 [1.299]	34.81 [1.371]	35.32 [1.391]	36.64 [1.442]	24.00 [.945]
34	34.39 [1.354]	40.64 [1.600]	36.98 [1.456]	38.81 [1.528]	39.32 [1.548]	40.64 [1.600]	28.00 [1.102]
40	40.39 [1.590]	46.64 [1.836]	42.98 [1.692]	44.81 [1.764]	45.32 [1.784]	46.64 [1.836]	34.00 [1.339]
44	44.39 [1.748]	50.64 [1.994]	46.98 [1.850]	48.81 [1.922]	49.32 [1.942]	50.64 [1.994]	38.00 [1.496]
50	50.39 [1.984]	56.64 [2.230]	52.98 [2.086]	54.81 [2.158]	55.32 [2.178]	56.64 [2.230]	44.00 [1.732]



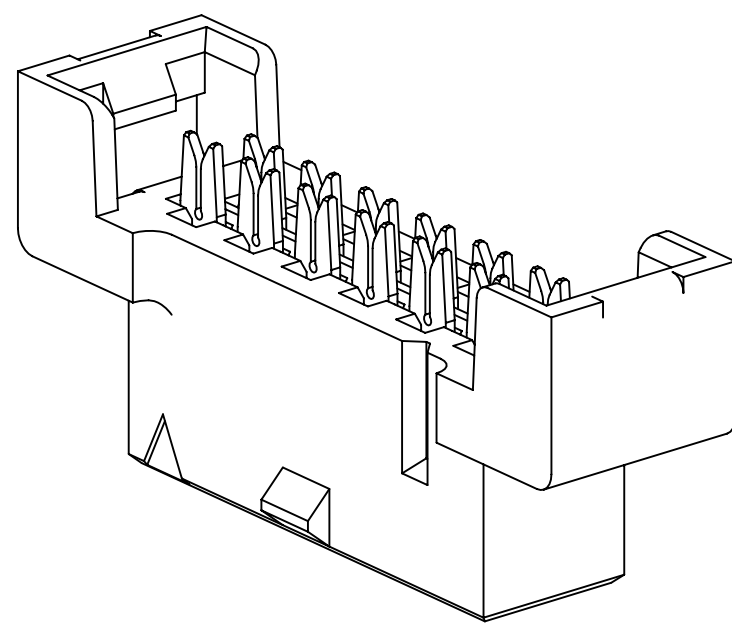
SOCKET WITHOUT OPTIONS
ALL POSITIONS



CENTER BUMP OPTION
ALL POSITIONS



CENTER BUMP WITH
FRICTION BUMP OPTION
14-50 POSITIONS



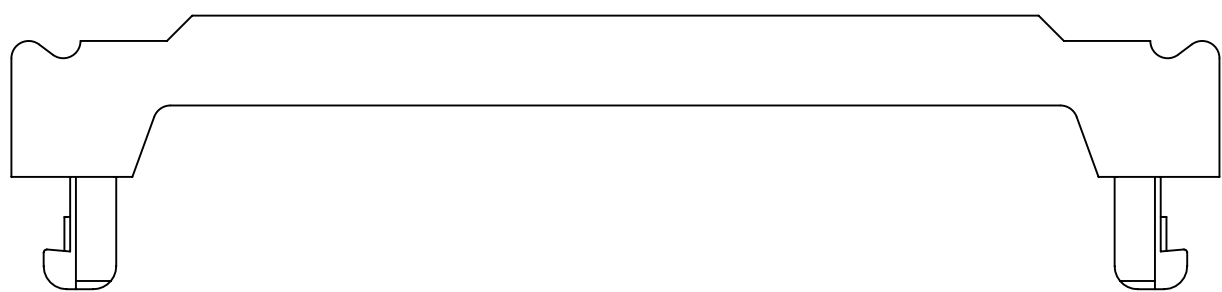
CENTER FRICTION BUMP OPTION
6-12 POSITIONS ONLY

ORDERING INFORMATION

TIER 1 - BEST
1581XX-1X00
TIER 1 = BEST
POSITION COUNT (SEE TABLE)
PART CONFIGURATION 1 = ADHESIVE COVER
POLARIZATION/LATCHING
1 = WITH CENTER BUMP,
NO FRICTION BUMPS (6-50 POS)
PLATING BLANK = 0.76 μ m [30 μ in] GOLD
PACKAGING 0 = TRAY

TIER 2 - BETTER
1582XX-0X20XX
TIER 2 = BETTER
POSITION COUNT (SEE TABLE)
PART CONFIGURATION 0 = PREASSEMBLED COVER
POLARIZATION/LATCHING
0 = NO CENTER BUMP,
NO FRICTION BUMPS (6-50 POS)
1 = WITH CENTER BUMP,
NO FRICTION BUMPS, (6-50 POS)
2 = WITH CENTER BUMP AND DUAL
FRICTION BUMPS (14-50 POS ONLY)
3 = WITH CENTRAL FRICTION BUMP,
NO CENTER BUMP (6-12 POS ONLY)
PLATING BLANK = 0.76 μ m [30 μ in] GOLD
15 = 0.38 μ m [15 μ in] GOLD
PACKAGING 2 = SWORDS

TIER 3 - VALUE
1583XX-211015
TIER 3 = VALUE
POSITION COUNT (SEE TABLE)
PART CONFIGURATION 2 = SEPARATE COVER
POLARIZATION/LATCHING
1 = WITH CENTER BUMP,
NO FRICTION BUMPS (6-50 POS)
PLATING 15 = 0.38 μ m [15 μ in] GOLD
PACKAGING 1 = BULK PACK

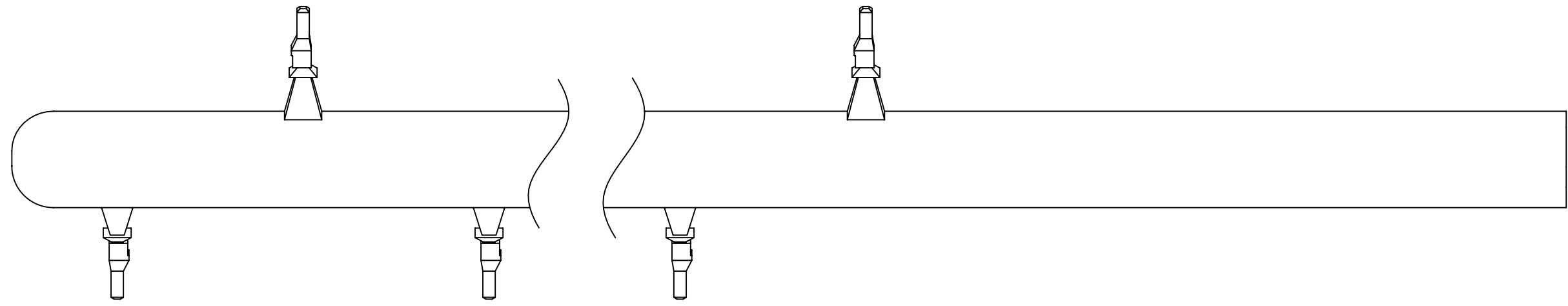


STRAIN RELIEF
3448-158XX
POSITION COUNT
(SEE TABLE)

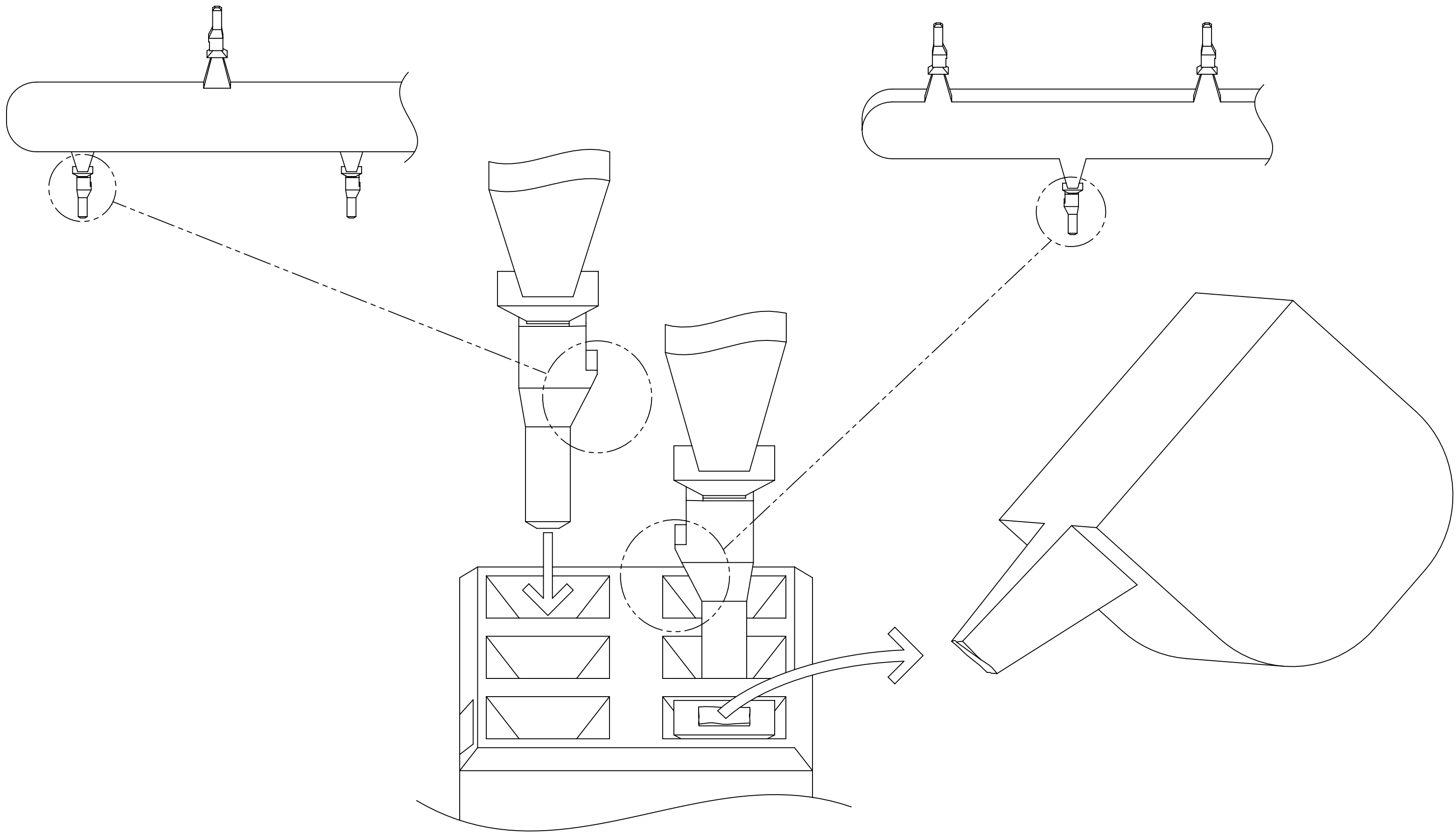
METRIC [ENGLISH]

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
1581XX-1X00		L. SCHMIDT		JUL 23, 2010		
DIVISION	DIVISION CODE	DATE	DATE	DATE	DATE	DATE
		JUL 23, 2010	JUL 23, 2010	JUL 23, 2010	JUL 23, 2010	JUL 23, 2010
DO NOT SCALE DRAWING	SCALE 6-1	TOLERANCES EXCEPT AS NOTED	INCHES			
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 1994	MAX SURFACE ROUGHNESS 125	MILLIMETERS			
		ALL SURFACES MARKED ONLY	ANGLES $\pm$ 1°			
TITLE		3M RIBBON CABLE SOCKET 2 MM x 2 MM PITCH 158 SERIES				
CAGE NUMBER		SIZE	DRAWING NO.	REV.		
D			78-5100-2358-9	E		
MODEL		LISTS YES NO SHT 2 OF 3				

3M™ Ribbon Cable Socket 2 mm X 2 mm Pitch 158 Series



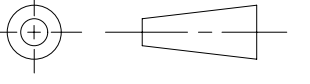
POLARIZING KEY
3435-152200



POLARIZING KEY ORIENTATION AND INSTALLATION

RIBBON CABLE SOCKET ACCESSORIES

METRIC [ENGLISH]

E		41488	JUN 21, 2012		LDS	SF
			REVISED CURRENT RATING IN PERFORMANCE TABLE			
D		37252	NOV 04, 2011		LDS	SF
			REVISED ORDERING INFORMATION			
			REV C HISTORY REMOVED			
A		30741	OCT 28, 2010		LDS	SF
			INITIAL RELEASE			
REV		ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DIST		L. SCHMIDT		DATE	MFG	DATE
				JUL 23, 2010		
CHKD		DATE		APPR		DATE
				S. FELDMAN		JUL 30, 2010
DIVISION		DIVISION CODE				
DO NOT SCALE DRAWING		SCALE 1/1		TOLERANCES EXCEPT AS NOTED		
		INCHES		MILLIMETERS		
THIRD ANGLE PROJECTION		0 ±		0 ±		
		.00 ±		.00 ±		
		.000 ±		.000 ±		
		.0000 ±		.0000 ±		
INTERPRET PER ASME Y14.5 - 1994		0 ±		0 ±		
		.00 ±		.00 ±		
MAX SURFACE ROUGHNESS		.00 ± .13		.000 ±		
125 ✓		□ ALL SURFACES		.000 ±		
X MARKED ONLY		ANGLES ± 1°				