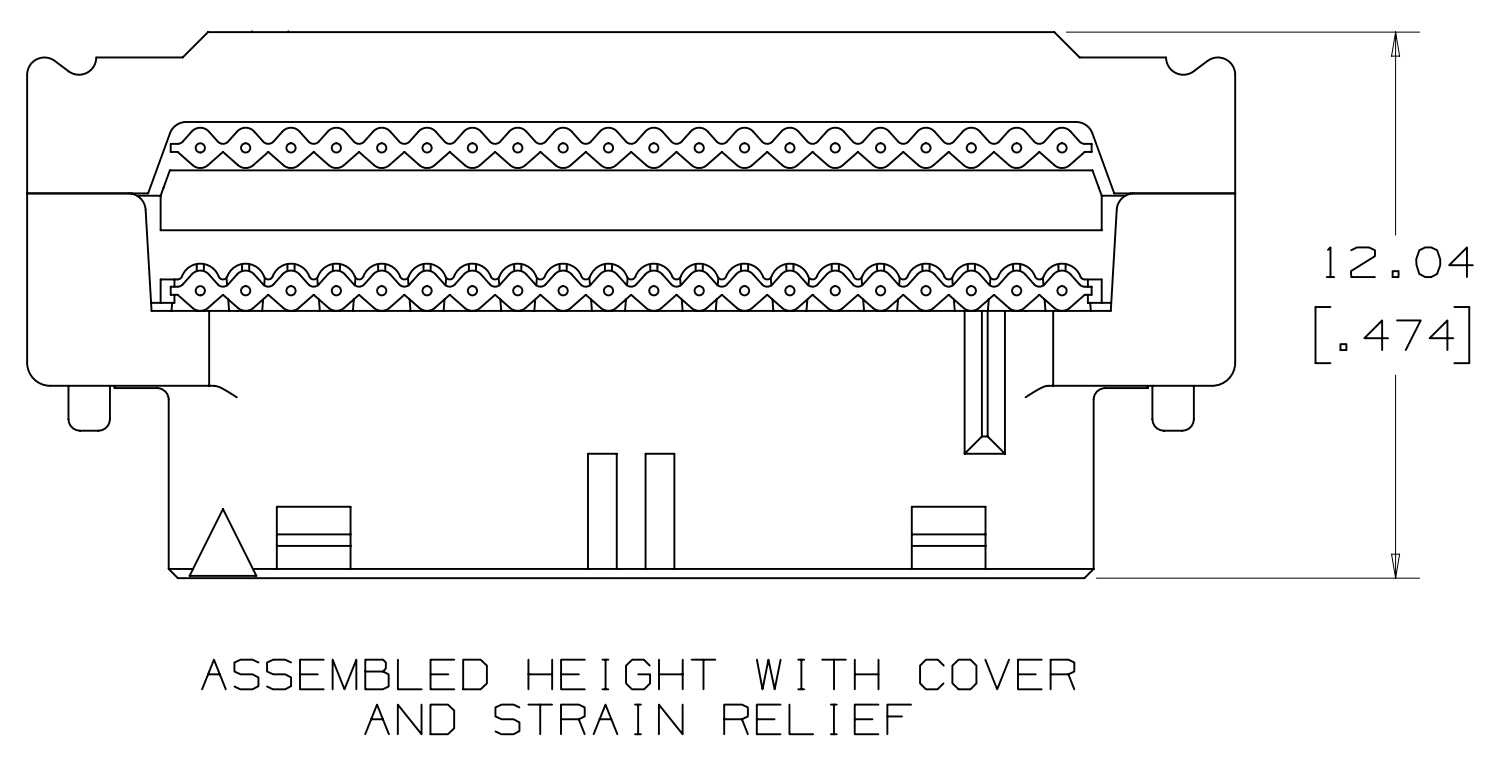
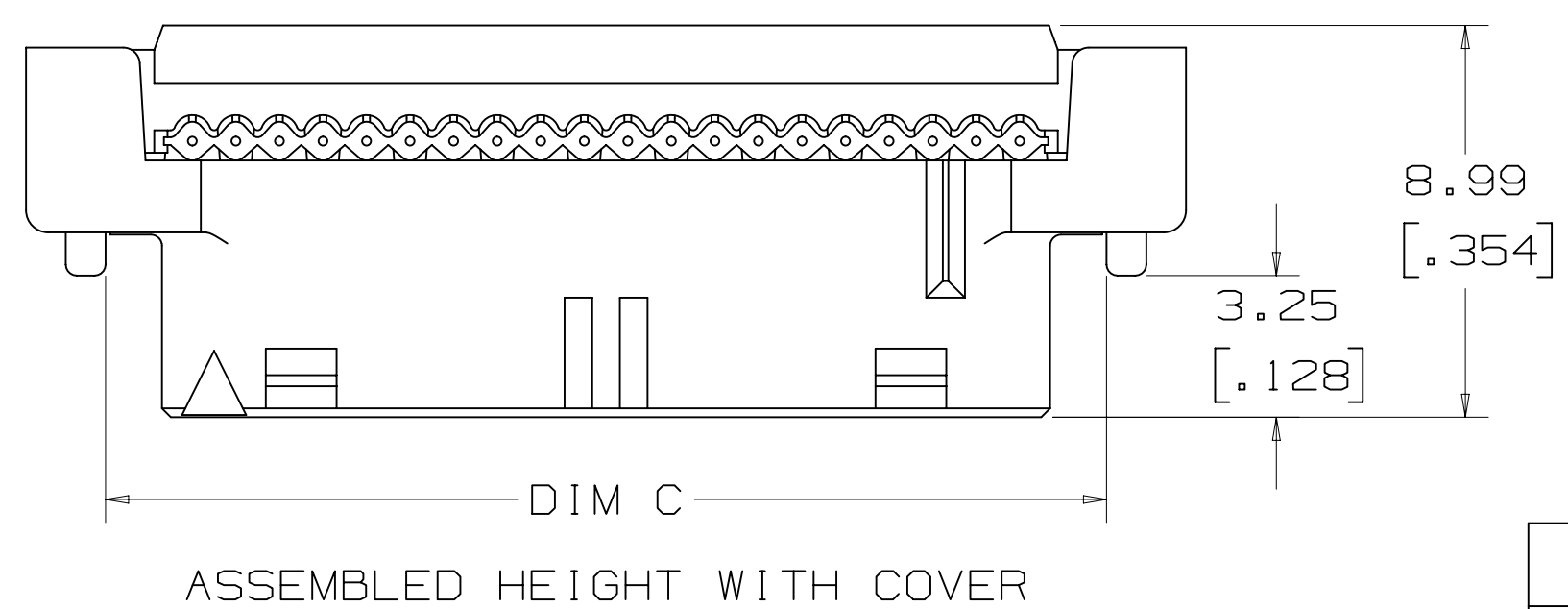
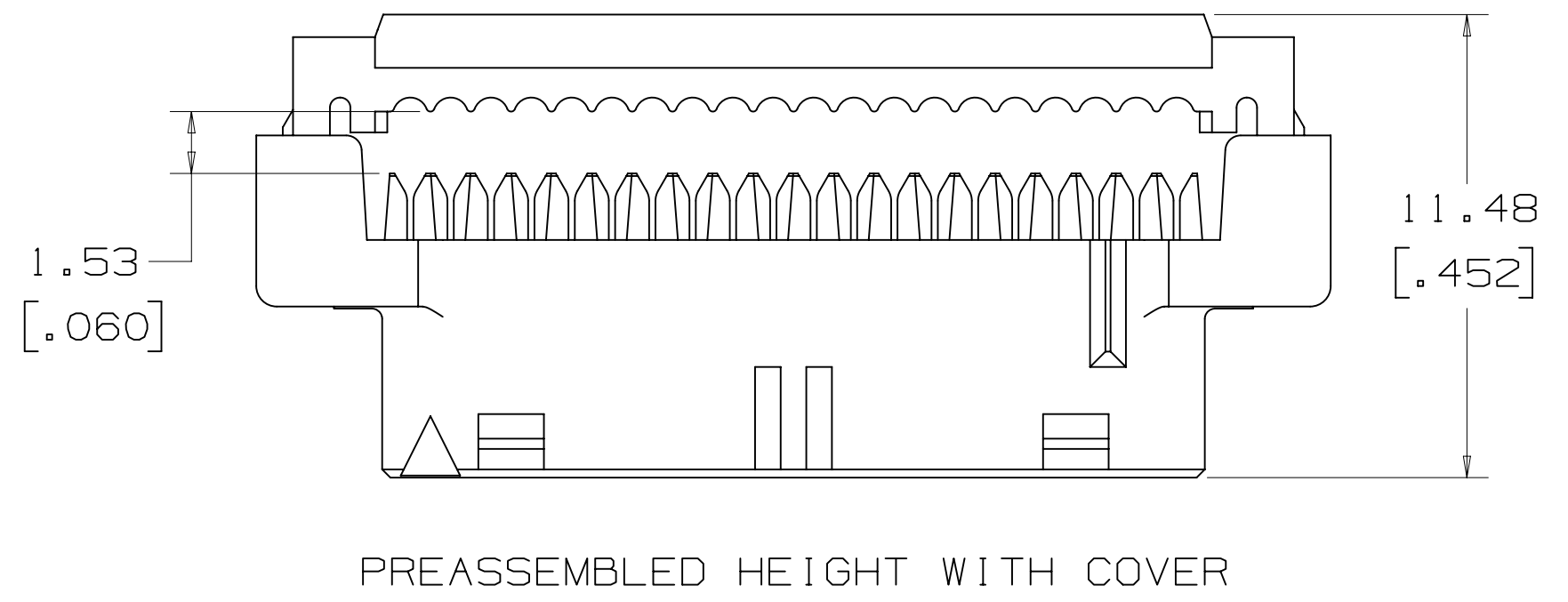
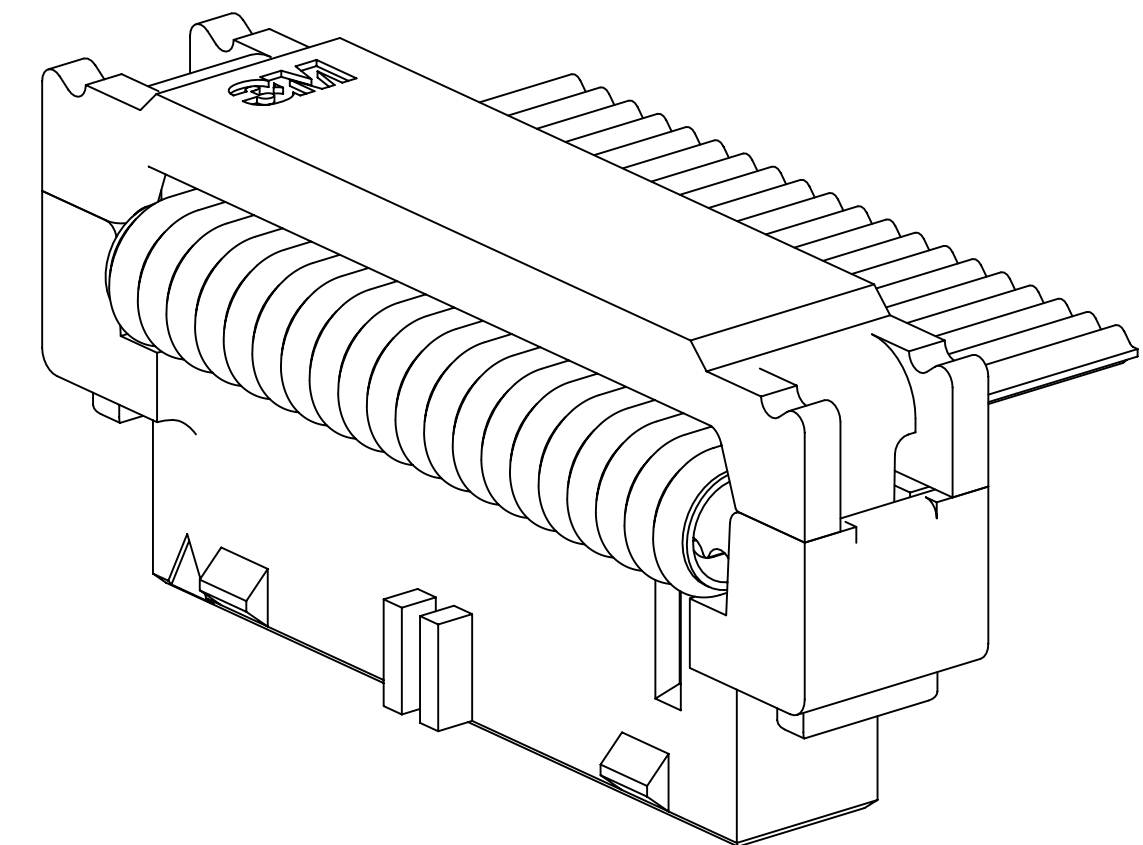
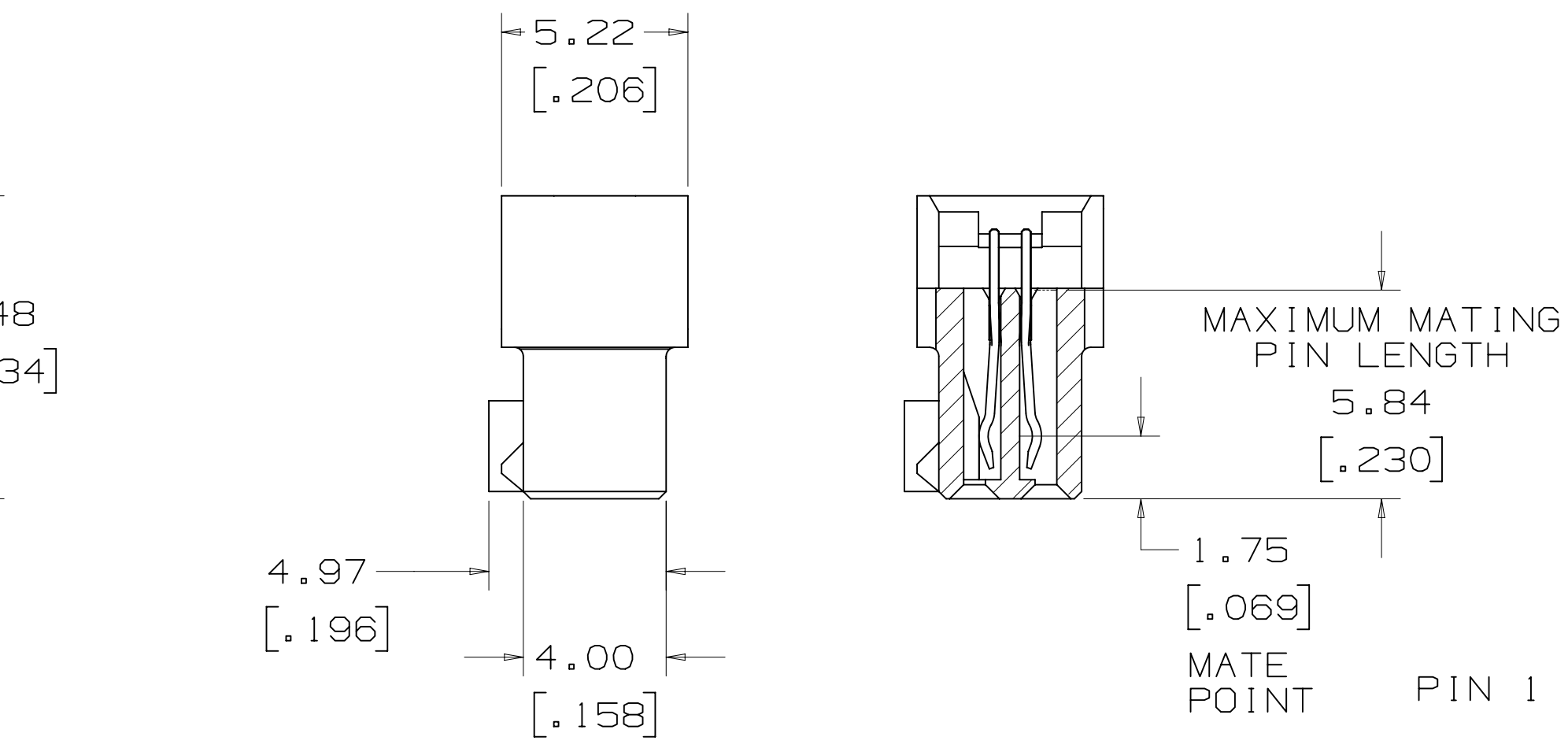


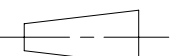
Technical drawing of a cross-section of a multi-toothed mechanical part. The drawing shows a top view with a series of teeth and a bottom view with a series of slots. Dimensions are given in inches and millimeters.

Dimensions:

- DIM B**: Total width of the part.
- DIM G**: Width of the central slot.
- DIM A**: Total width of the base.
- 8.49** [0.334]: Height of the teeth.
- 4.19** [0.165]: Height of the base.
- 1.90** [0.075]: Width of the central slot.



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 VAC _{rms} AT SEA LEVEL
TEMPERATURE RATING:	-55°C TO +105°C

DESIGN REFERENCE		NEXT ASSEMBLY		REV.		ISSUE DATE		DESCRIPTION		DRFT		CHKD			
ADDRESS CODES				DRFT L. SCHMIDT		DATE JUL 23, 2010		MFG		DATE					
				CHKD		DATE		APPRV. S. FELDMAN		DATE JUL 30, 2010					
DIVISION				DIVISION CODE				© 3M COPYRIGHT 2010 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or released other than for 3M authorized purposes. All rights reserved.							
DO NOT SCALE DRAWING				SCALE 1 1				TOLERANCES EXCEPT AS NOTED				3M 3M Center St. Paul, MN 55144			
								INCHES .01 .001 .0000 ±				TITLE 3M RIBBON CABLE SOCKET 2 MM x 2 MM PITCH 158 SERIES			
THIRD ANGLE PROJECTION				MILLIMETERS 0 .01 .00 ± .13 .000 ±				CASE NUMBER D 78-5100-2358-9				REV. F			
INTERPRET PER ASME Y14.5 - 1994				MAX SURFACE ROUGHNESS 125 ☒ ALL SURFACES ☐ MARKED ONLY				SIZE DRAWING NO.				DET. TESTS YES ☒ NO ☐			
ANGLES ± 1°								SHT 1 OF 1							

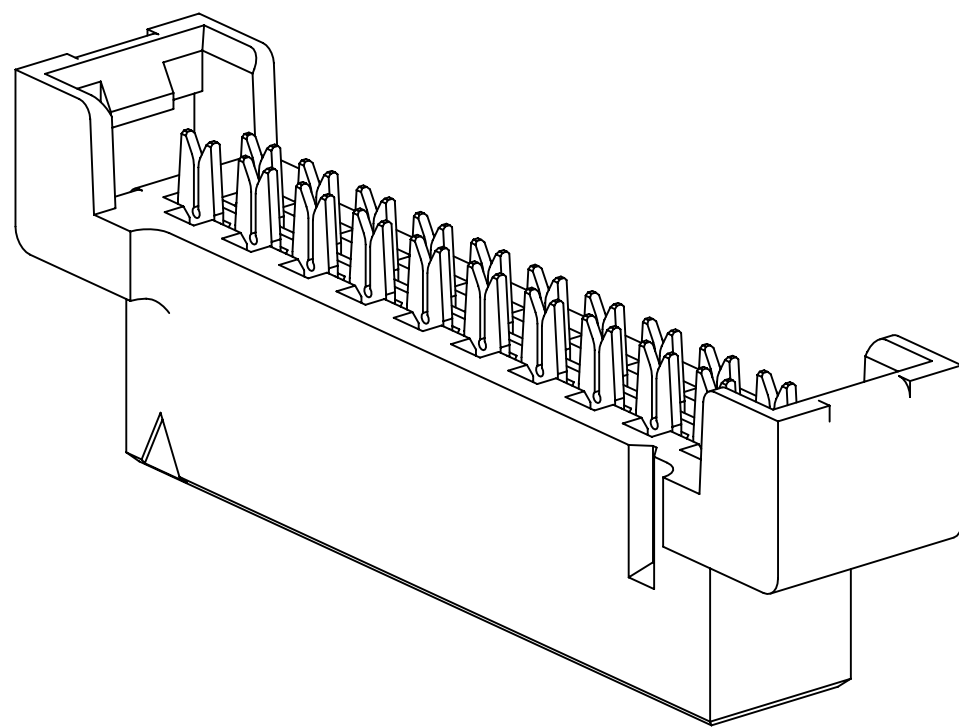
METRIC [ENGLISH]

cALUS

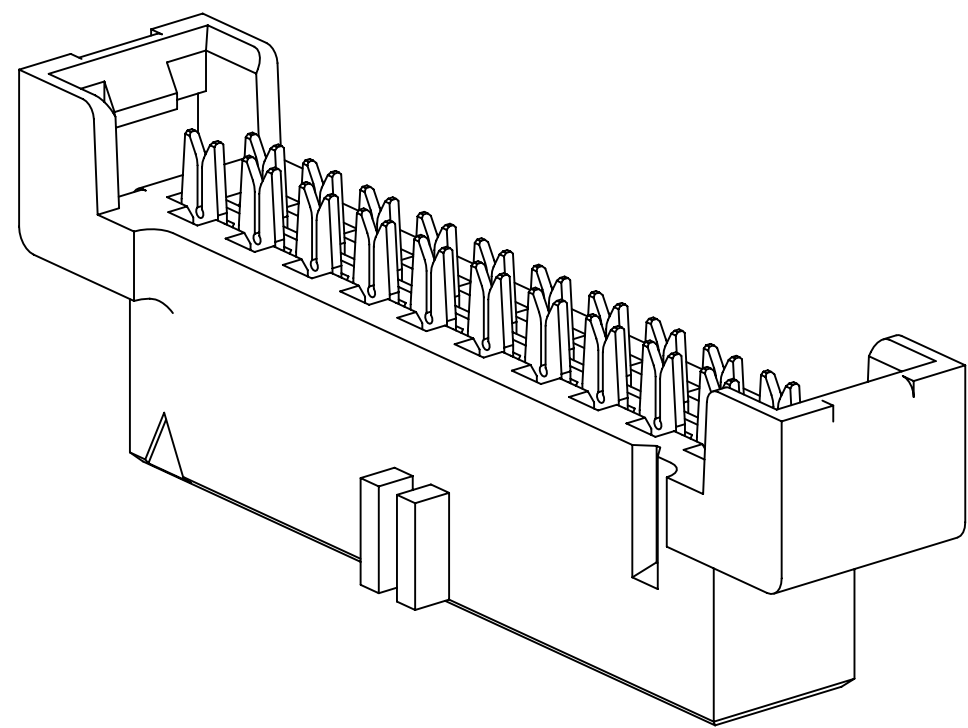
UL FILE NO: E68080

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

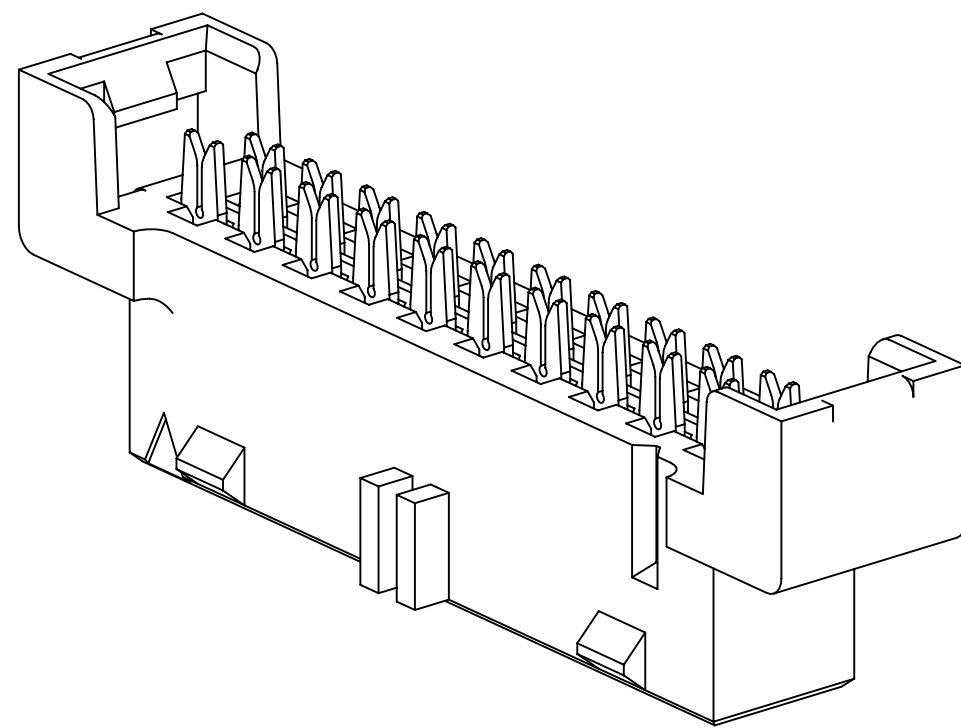
NUMBER OF POSITIONS	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G
6	6.39 [.252]	12.64 [.497]	8.98 [.354]	10.81 [.426]	11.32 [.446]	12.64 [.497]	N/A
8	8.39 [.330]	14.64 [.576]	10.98 [.432]	12.81 [.504]	13.32 [.524]	14.64 [.576]	N/A
10	10.39 [.409]	16.64 [.655]	12.98 [.511]	14.81 [.583]	15.32 [.603]	16.64 [.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]



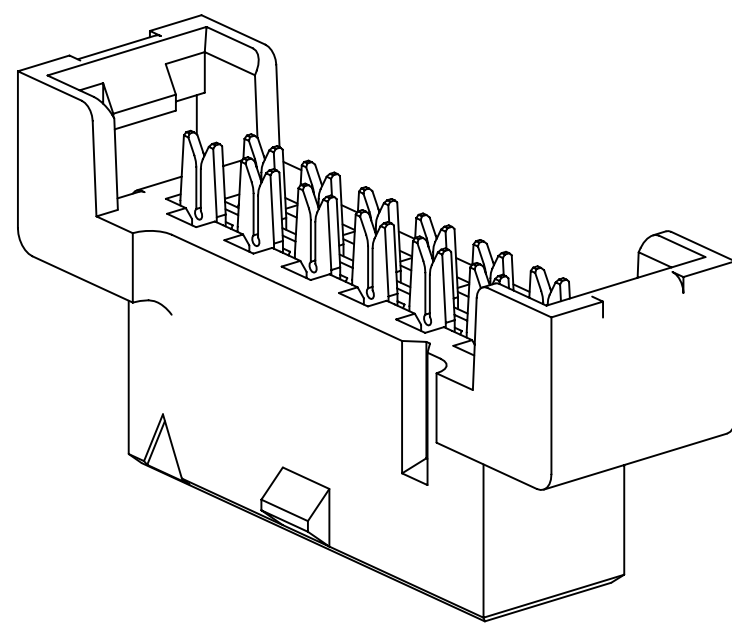
SOCKET WITHOUT OPTIONS
ALL POSITIONS



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)

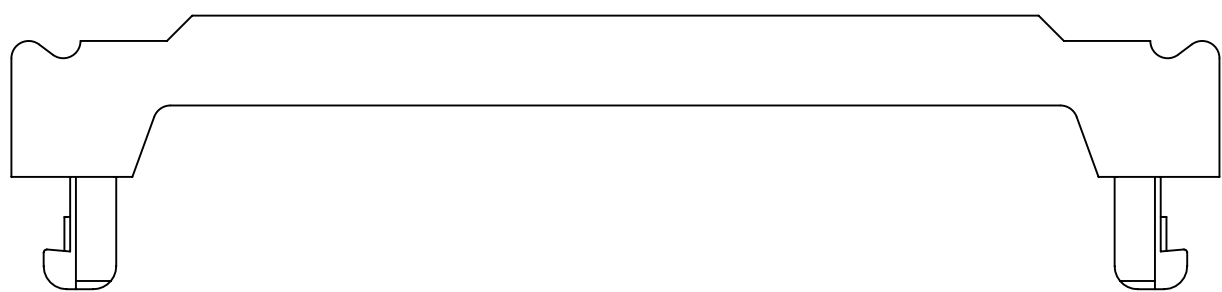
PLATING
BLANK = 0.76 μ m
[30 μ in] GOLD
PACKAGING
0 = TRAY

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

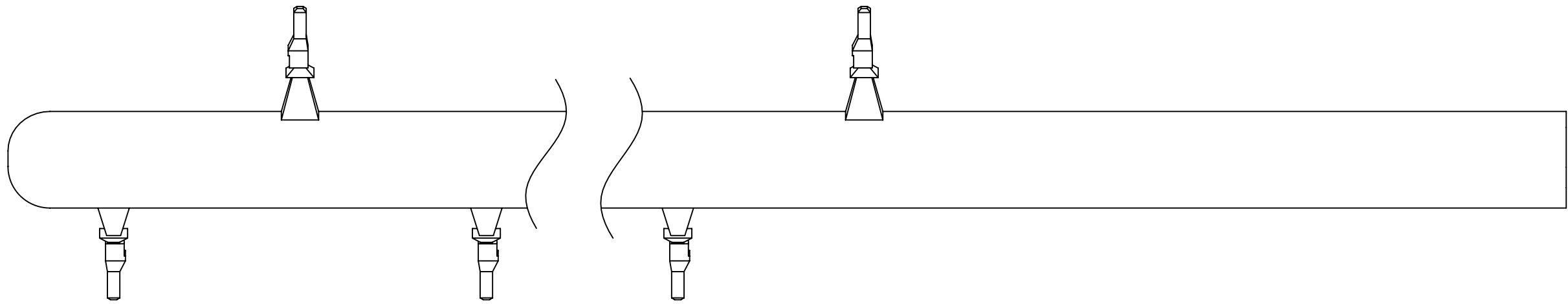


STRAIN RELIEF
3448-158XX
POSITION COUNT
(SEE TABLE)

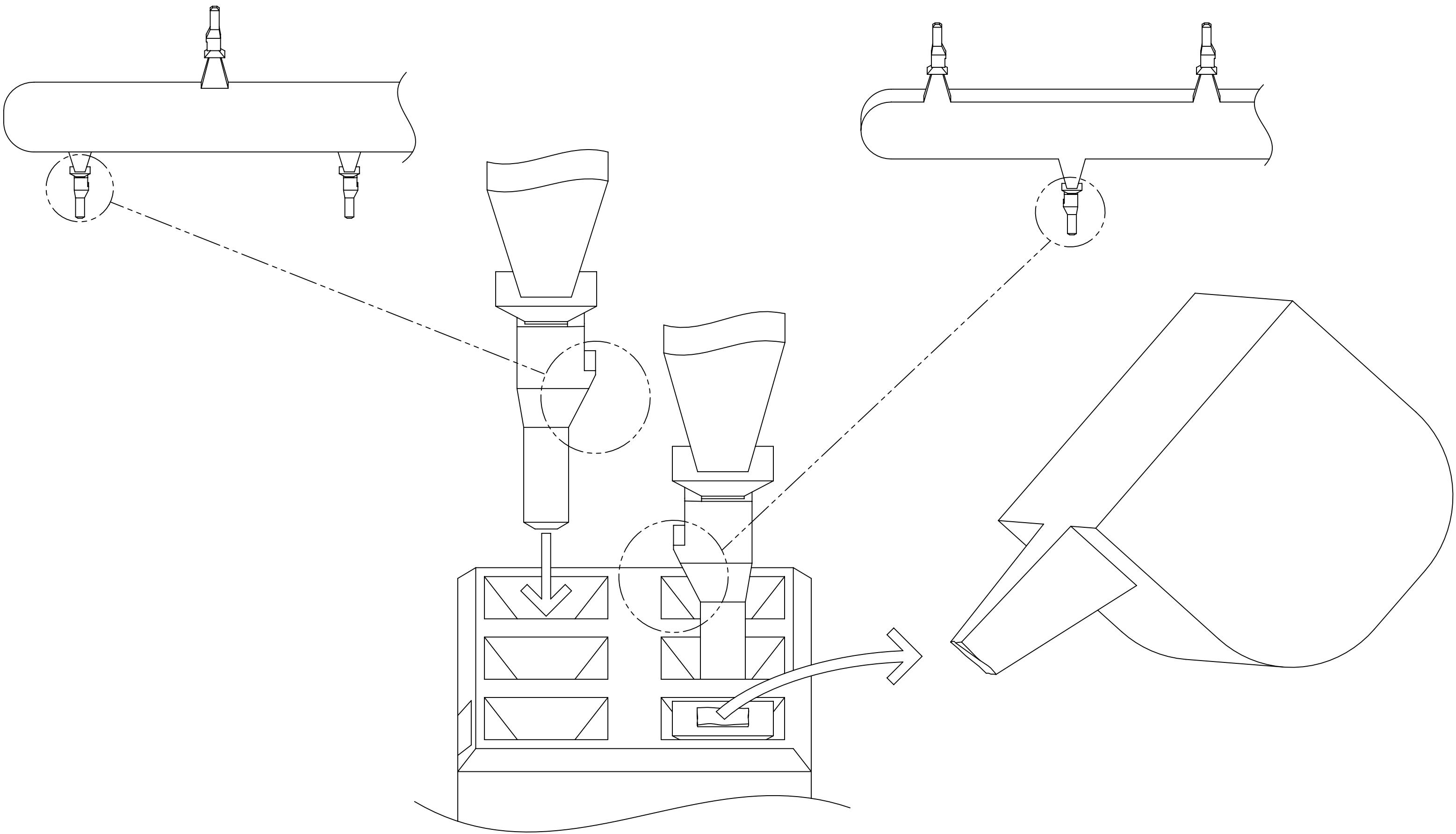
METRIC [ENGLISH]

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
3448-158XX		L. SCHMIDT		JUL 23, 2010		
DIVISION	DIVISION CODE	CHKD		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 $\pm$ 1°			
		CAGE NUMBER		SIZE	DRAWING NO.	REV.
		D		78-5100-2358-9	F	
		MODEL		DET	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]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES		DIV CODE		DRFT	CHKD	DATE	DATE	DATE	DATE
				L. SCHMIDT		JUL 23, 2010	MFG		
							S. FELDMAN	JUL 30, 2010	
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2010					
DO NOT SCALE DRAWING		SCALE 1/1		TOLERANCES EXCEPT AS NOTED		3M Center St. Paul, MN 55144			
THIRD ANGLE PROJECTION		INCHES		MILLIMETERS		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.			
INTERPRET PER ASME Y14.5 - 1994		.00 ± .000 ± .0000 ±		0 ± .00 ± .000 ±		TITLE			
MAX SURFACE ROUGHNESS 125/		ALL SURFACES		ANGLES ±1°		3M RIBBON CABLE SOCKET 2 MM x 2 MM PITCH 158 SERIES			
✓ MARKED ONLY						CAGE NUMBER		DRAWING NO.	
						D 78-5100-2358-9		REV.	
						MODEL		DET. YES NO SHT 3 OF 3	

Authorized Distribution Brand :



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