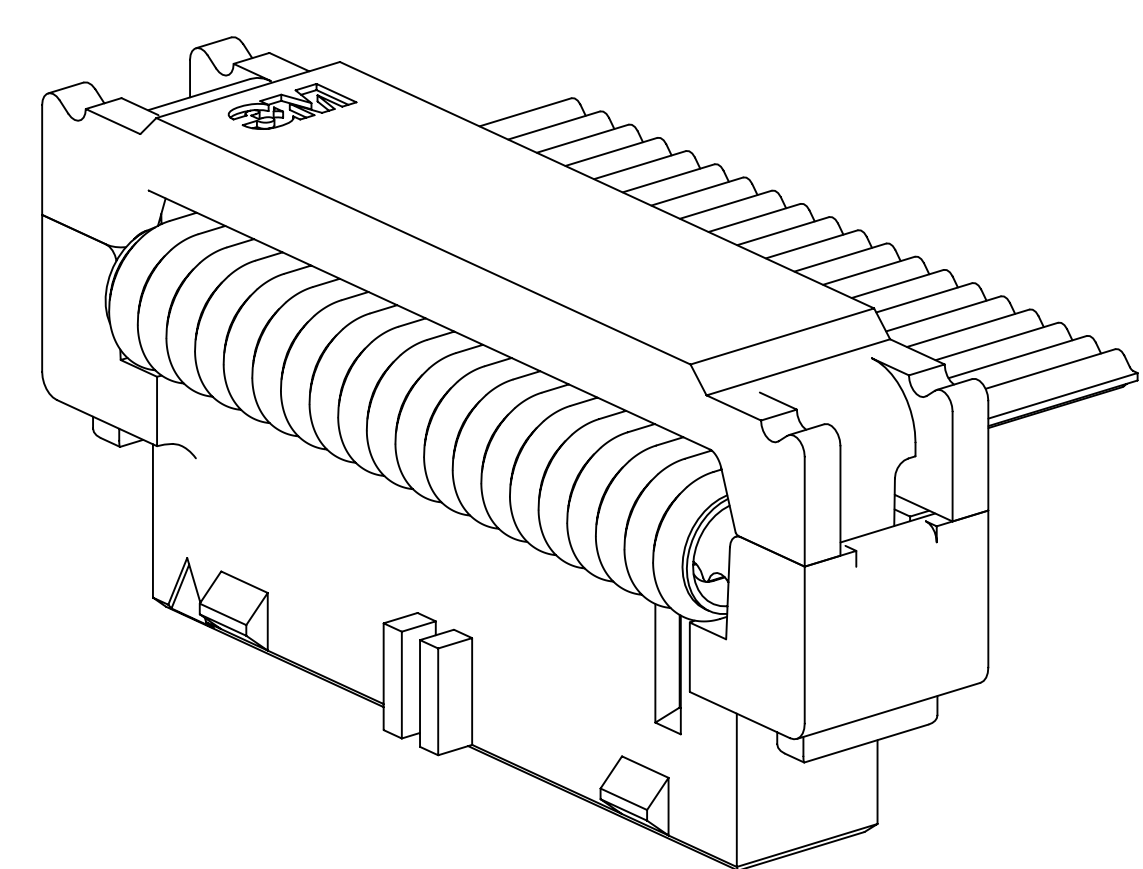
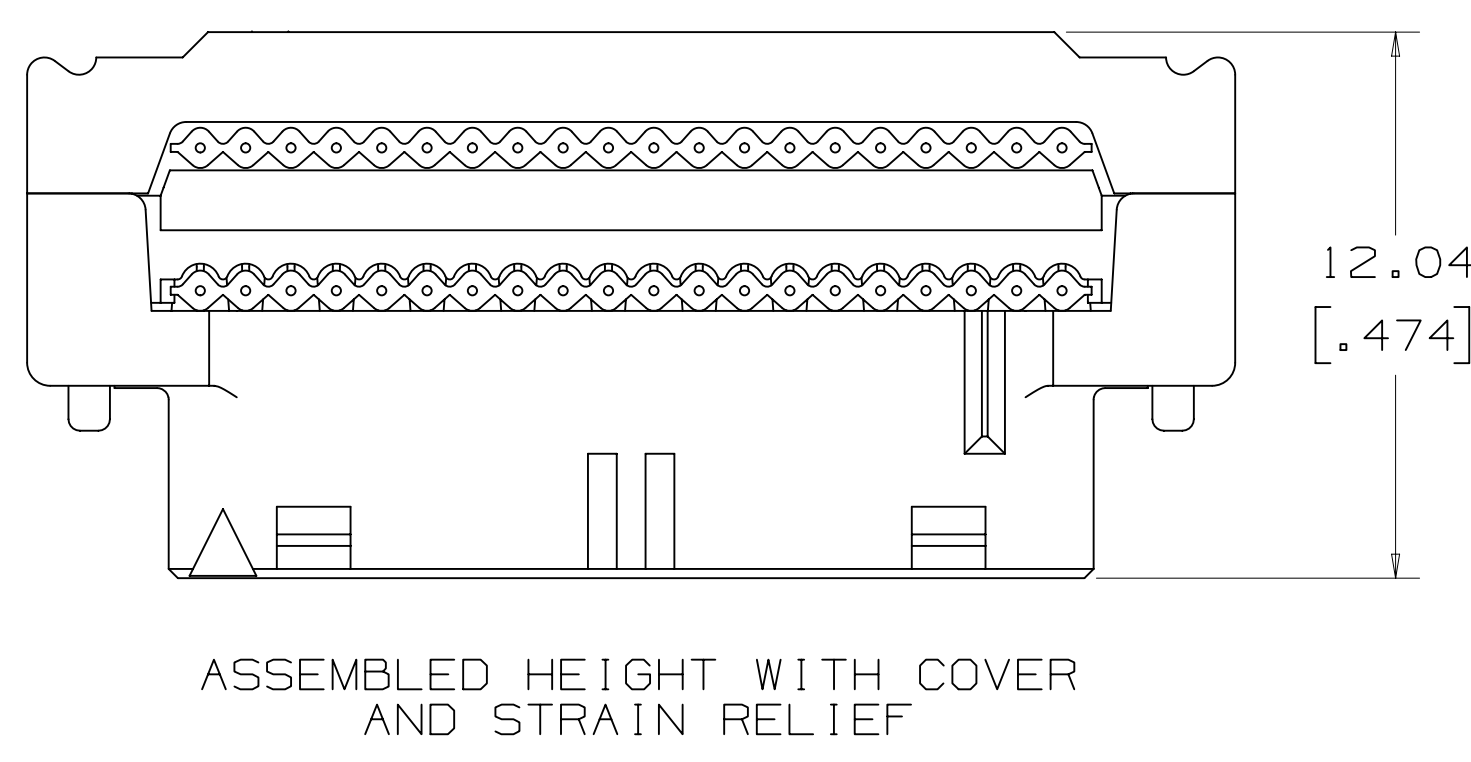
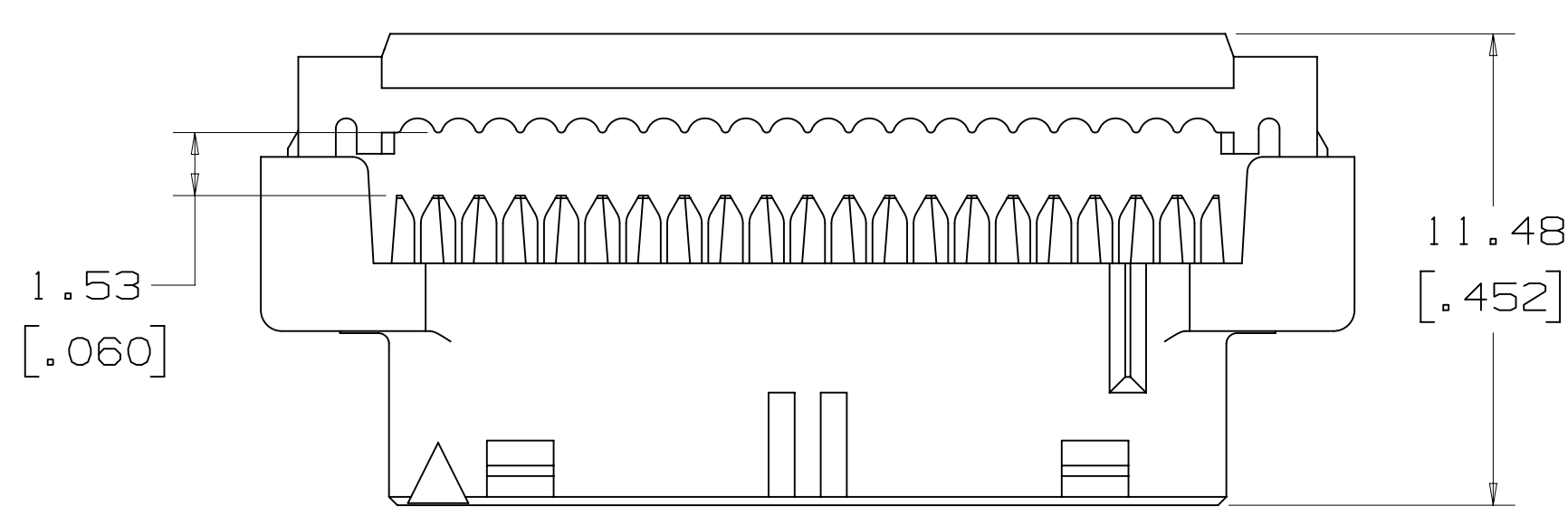
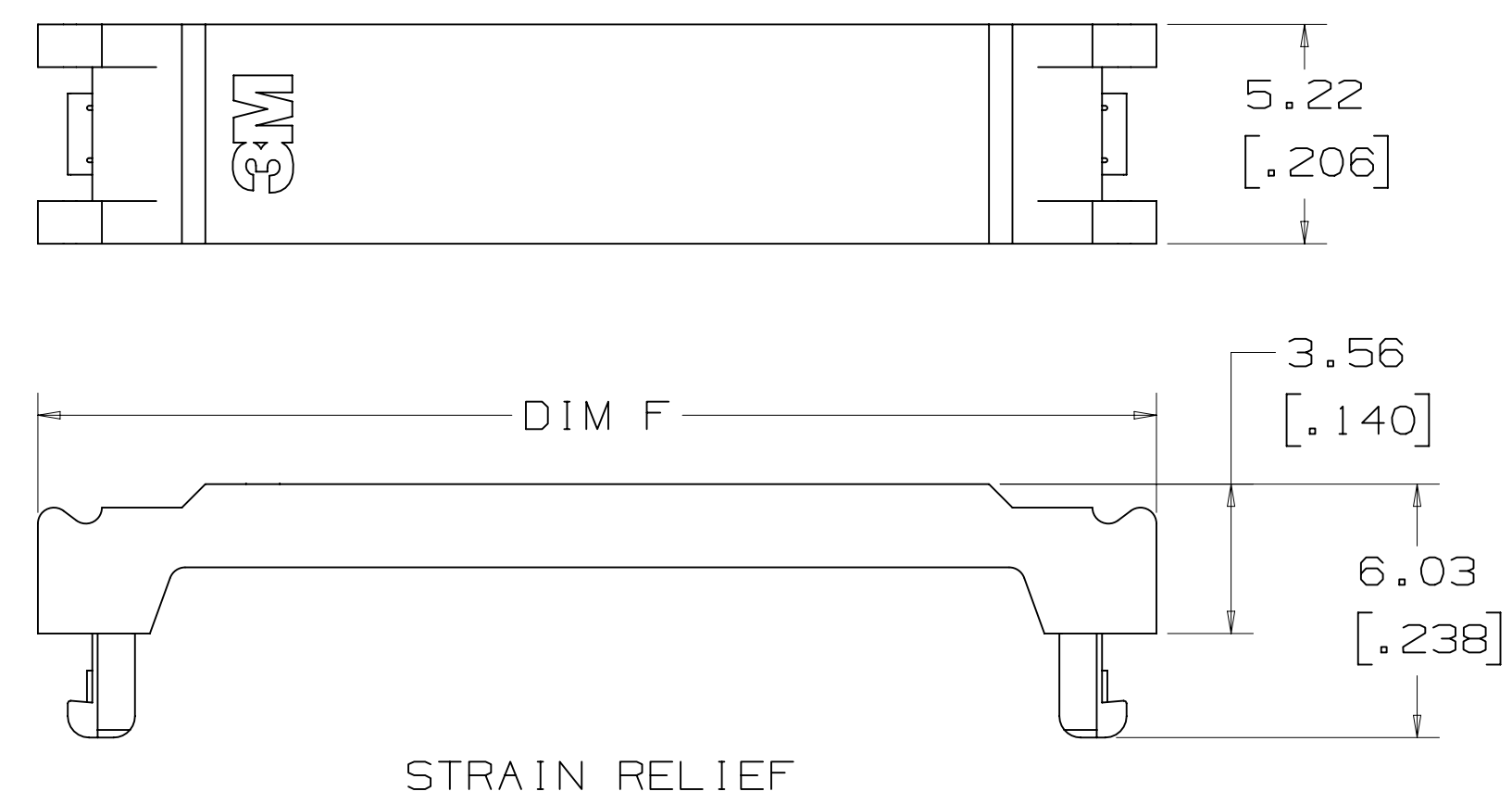


Technical drawing of a mechanical part showing dimensions in inches and millimeters. The drawing includes the following dimensions:

- DIM B**: Overall width dimension.
- 8.48** [215.87]: Overall height dimension.
- 4.19** [106.67]: Dimension from the bottom surface to the top of the central feature.
- 1.90** [48.26]: Dimension of the central feature.
- DIM G**: Dimension of the central feature.
- DIM A**: Overall width dimension.

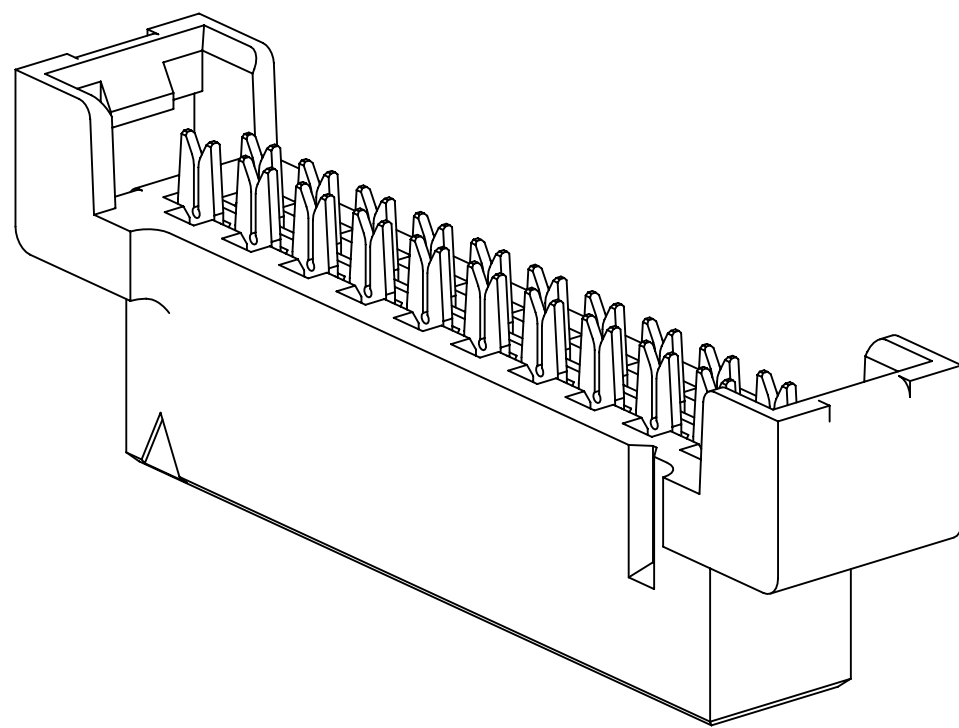


DESIGN REFERENCE		NEXT ASSEMBLY		REV		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ADDRES CODES				DRFT L. SCHMIDT		DATE JUL 23, 2010		MFG		DATE	
				CHKD		DATE		APPRV. S. FELDMAN		DATE JUL 30, 2010	
DIVISION				DIVISION CODE							
DO NOT SCALE DRAWING				SCALE $\frac{1}{1}$				TOLERANCES EXCEPT AS NOTED			
				INCHES				© 2010 COPYRIGHT 2017 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.			
				THIRD ANGLE PROJECTION							
INTERPRET PER ASME Y14.5 - 2009				MILLIMETERS				3M 3M Center St. Paul, MN 55144			
MAX SURFACE ROUGHNESS 125				☐ ALL SURFACES ☒ MARKED ONLY				TITLE 3M RIBBON CABLE SOCKET 2 MM x 2 MM PITCH 158 SERIES			
				ANGLES $\pm .1^\circ$				CAGE NUMBER SIZE DRAWING NO. D 78-5100-2358-9			
				MODEL				REV. G			

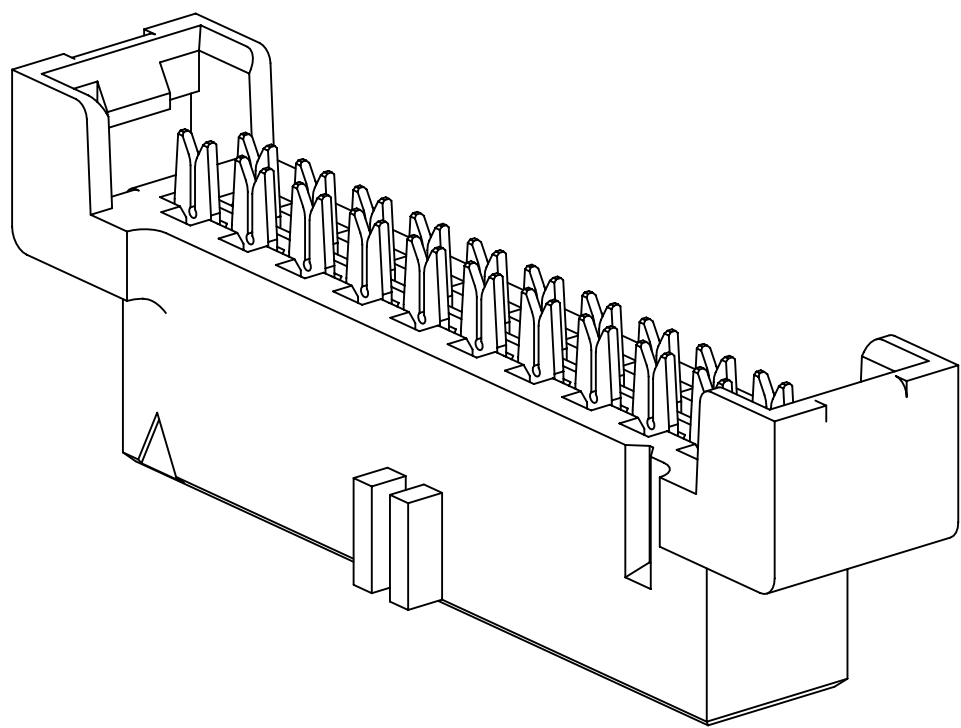
G	73037	OCT 27, 2017	SBC	SAN
UPDATED PERFORMANCE TABLE REMOVED REV D,E,F HISTORY				
A	30741	OCT 28, 2010	LDS	SF
INITIAL RELEASE				
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	L SCHMIDT		DATE	DATE
CHKD	JUL 23, 2010		APPROV	DATE
		S. FELDMAN	JUL 30, 2010	
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TITLE				
3M RIBBON CABLE SOCKET 2 MM x 2 MM PITCH 158 SERIES				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
	D	78-5100-2358-9	G	
MODEL	DET		SHT 1 OF	
	LISTS DYES NO			

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

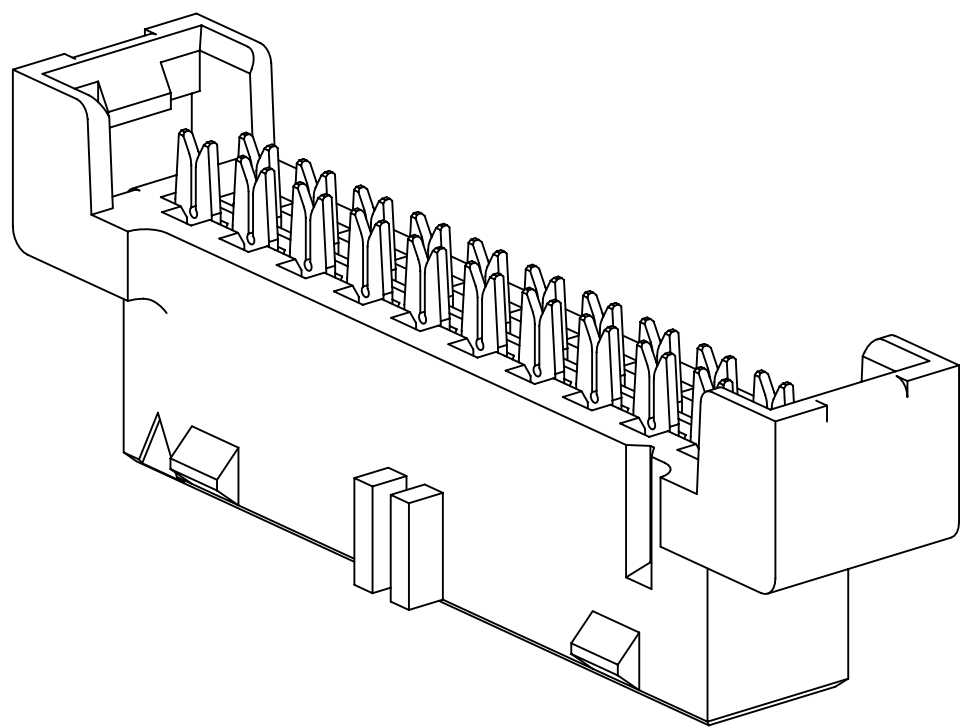
NUMBER OF POSITIONS	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G
6	6.39 [.252]	12.64 [.497]	8.98 [.354]	10.81 [.426]	11.32 [.446]	12.64 [.497]	N/A
8	8.39 [.330]	14.64 [.576]	10.98 [.432]	12.81 [.504]	13.32 [.524]	14.64 [.576]	N/A
10	10.39 [.409]	16.64 [.655]	12.98 [.511]	14.81 [.583]	15.32 [.603]	16.64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



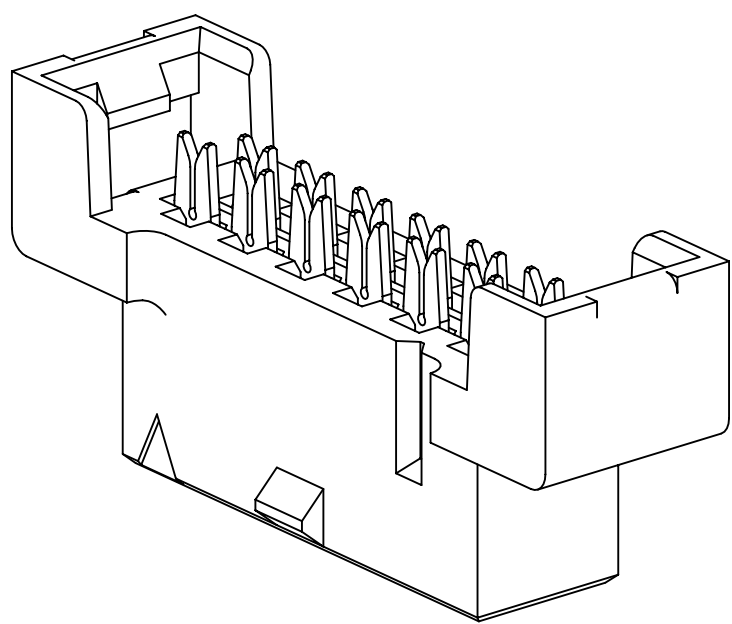
SOCKET WITHOUT OPTIONS
ALL POSITIONS



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)

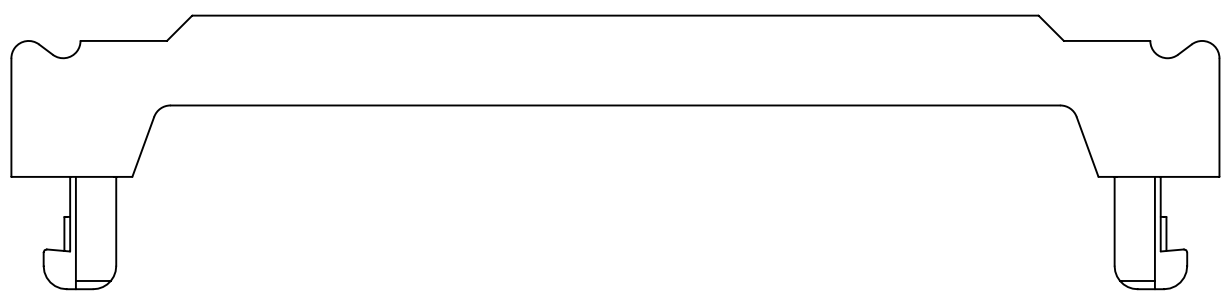
PLATING
BLANK = 0.76 μ m
[30 μ in] GOLD
PACKAGING
0 = TRAY

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



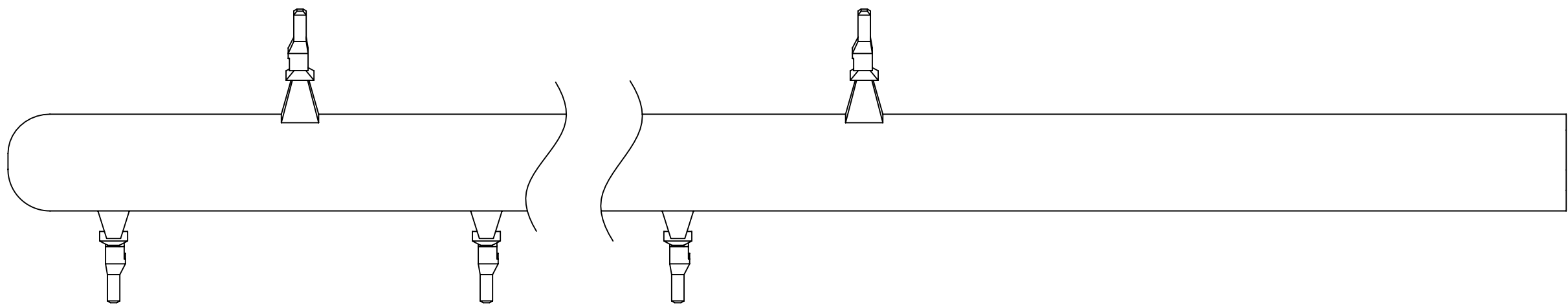
STRAIN RELIEF
3448-158XX
POSITION COUNT
(SEE TABLE)

METRIC [ENGLISH]

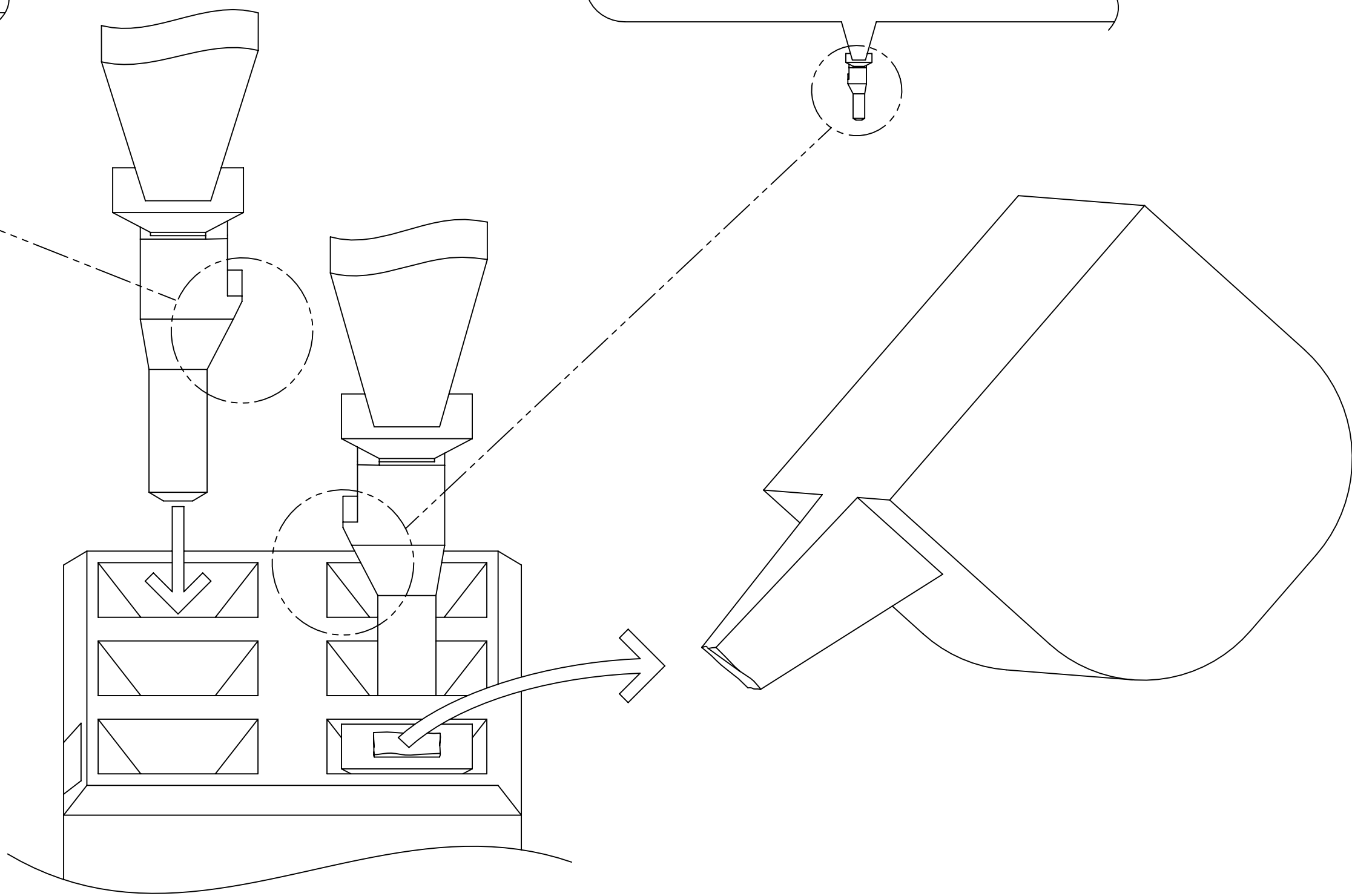
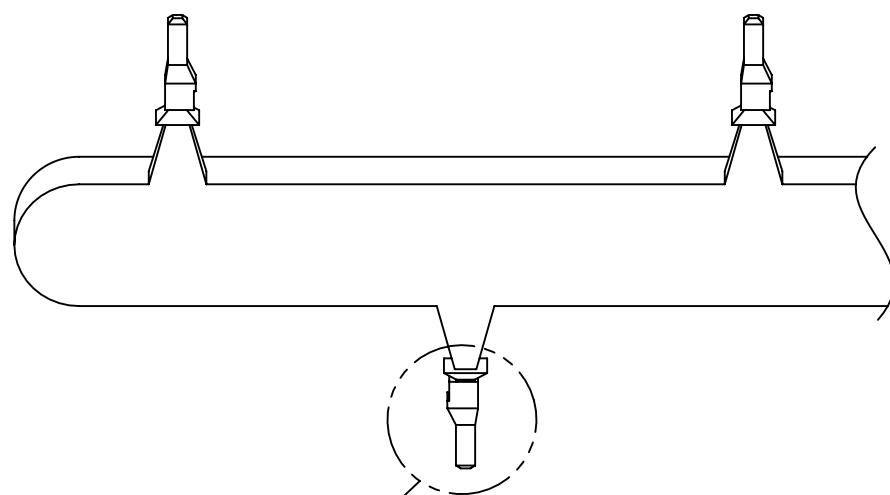
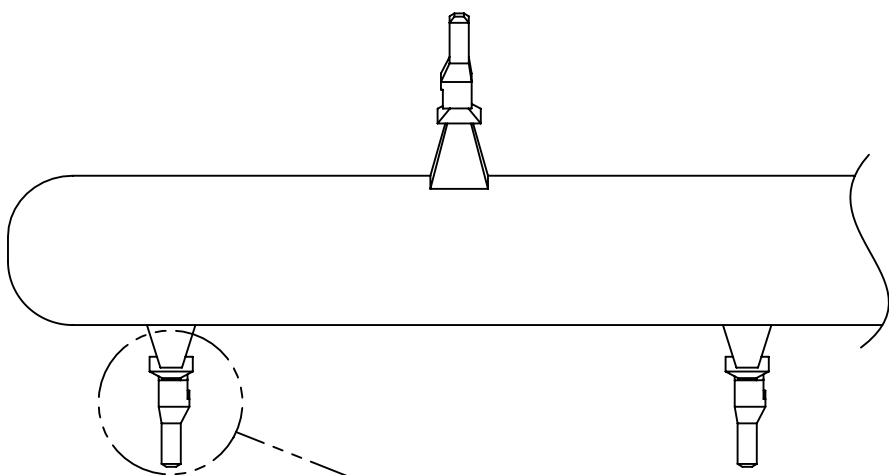
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
CODES	CODES	L. SCHMIDT	CHKD	DATE JUL 23, 2010	DATE JUL 30, 2010	DATE JUL 30, 2010
DIVISION	DIVISION CODE	3M				
DO NOT SCALE DRAWING	SCALE 6 1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MILLIMETERS 0 ± 2 ± 5 ± 13 ± .005				
MAX SURFACE ROUGHNESS 125 ✓	ALL SURFACES MARKED ONLY	ANGLES ± 1°				
CAGE NUMBER D78-5100-2358-9		SIZE G		DRAWING NO. 78-5100-2358-9		
MODEL		DET		LISTS		
YES		NO		SHT 2 OF 3		

G	73037	OCT 27, 2017	SBC	SAN	
A		30741	OCT 28, 2010	LDS	
REV		ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
L. SCHMIDT		CHKD	DATE JUL 23, 2010	DATE JUL 30, 2010	DATE JUL 30, 2010
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3M RIBBON CABLE SOCKET 2 MM x 2 MM PITCH 158 SERIES		REV.			
CAGE NUMBER D78-5100-2358-9		SIZE G		DRAWING NO. 78-5100-2358-9	
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	
DIVISION		DIVISION CODE		L. SCHMIDT		JUL 23, 2010		MFG		DATE		JUL 30, 2010	
DO NOT SCALE DRAWING		SCALE 1/1		TOLERANCES EXCEPT AS NOTED		INCHES		MILLIMETERS		0 ± .005		0 ± .13	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS 125/		ALL SURFACES		MARKED ONLY		ANGLES ± 1°		CAGE NUMBER D78-5100-2358-9	
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G 73037		OCT 27, 2017		UPDATED PERFORMANCE TABLE		REMOVED REV D,E,F HISTORY		INITIAL RELEASE		LDS SF		G	
A 30741		OCT 28, 2010		INITIAL RELEASE		LDS SF		SBC SAN		SHT 3 OF 3		REV. G	

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

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XREF CODES		XREF CODES		DWT L. SCHMIDT		DATE JUL 23, 2010		MFG DATE	
DIVISION		DIVISION CODE		CHKD		DATE		APPRV S. FELDMAN	DATE JUL 30, 2010
DO NOT SCALE DRAWING		SCALE 1 1		TOLERANCES EXCEPT AS NOTED		3M 3M Center St. Paul, MN 55144			
THIRD ANGLE PROJECTION		INCHES .00 ± .000 ± .0000 ±		MILLIMETERS 0 ± 2 .0 ± .13 .000 ± .005		© 3M COPYRIGHT 2017 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 - 2009		MAX SURFACE ROUGHNESS 125 / 1000		CAGE NUMBER D		SIZE 78-5100-2358-9		DRAWING NO. 78-5100-2358-9	
ALL SURFACES MARKED ONLY		ANGLES ± 1 °		MODEL		DET LISTS		YES NO SHT 3 OF 3	

G	73037	OCT 27, 2017 UPDATED PERFORMANCE TABLE REMOVED REV D,E,F HISTORY	SBC	SAN
A	30741	OCT 28, 2010 INITIAL RELEASE	LDS	SF