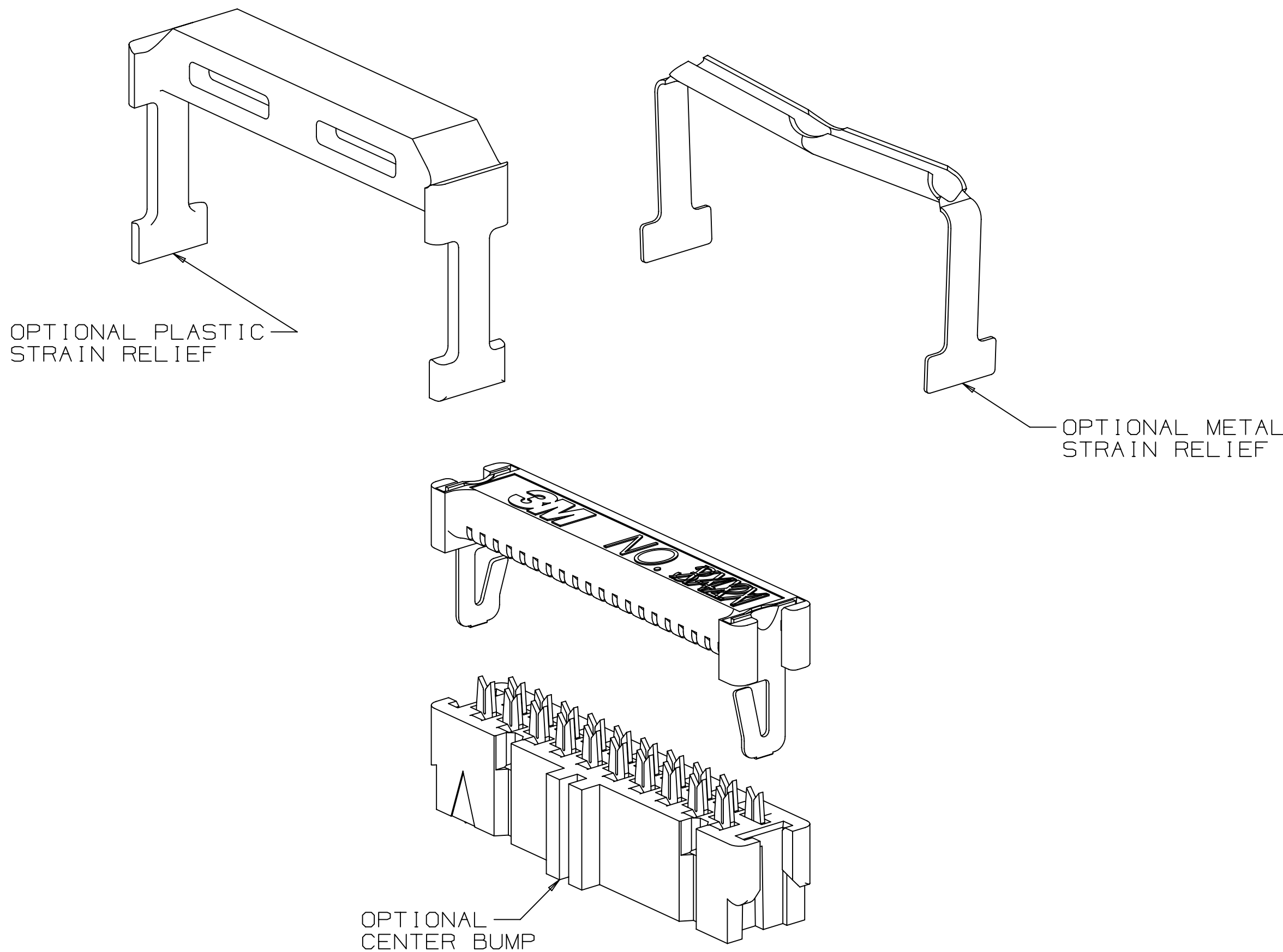


3M™ WIREMOUNT SOCKET, 3000 SERIES
.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



- * INDUSTRY STANDARD IDC SOCKET.
- * POSITIVE LOCKING METAL "J" CLIPS PROVIDE HIGH COVER RETENTION.
- * MATES WITH 3M HEADERS, PLUGS AND PIN STRIPS FOR QUICK CONNECT/DISCONNECT CAPABILITY.
- * OPEN OR CLOSED END COVERS AVAILABLE.
- * ACCEPTS FLAT CABLE OR DISCRETE WIRE.
- * MILITARY POLARIZATION, WITH OR WITHOUT CENTER BUMP.
- * TRANSFER ADHESIVE ON COVERS PROVIDES PRECISION ALIGNMENT BETWEEN CONNECTOR AND CABLES RESULTING IN HIGH YIELD TERMINATIONS.
- * AVAILABILITY OF PULL TAB TO FACILITATE PROPER UNPLUGGING.
- * AVAILABILITY OF 2 TYPES OF STRAIN RELIEF (STANDARD AND LOW PROFILE) TO ISOLATE THE IDC INTERFACE.
- * SET THE STANDARD FOR MIL SPEC AND IEC STANDARDIZATION.
- * AVAILABILITY OF MILITARY AND CENTER BUMP POLARIZATION.

2 PHYSICAL :

INSULATION: GLASS FILLED POLYESTER (PBT)
MATERIAL: UL94V-0
FLAMMABILITY: COLOR: GRAY
CONTACT: COPPER ALLOY
MATERIAL: J-CLIP: STAINLESS STEEL
PLATING: UNDER PLATING AND U-SLOT: 100μ" [2.54μm] AVG. NICKEL-OVERALL
WIPING AREA: 30μ" [0.76μm] AVG. GOLD
WIRE ACCOMMODATION: 26 AND 28 AWG SOLID AND STRANDED
MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER, ORIENTATION TRIANGLE

2 ELECTRICAL :

CURRENT RATING:

	1 LINE	6 ADJACENT LINES	ALL LINES
28 AWG	4.50	1.75	1.00
26 AWG	4.75	2.00	1.00

RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM TEMPERATURE RISE, 20% DERATED. REFERENCE APPROPRIATE 3M PRODUCT SPECIFICATION FOR CURRENT DERATING CURVES.

INSULATION RESISTANCE: >1 X 10⁹Ω AT 500 V_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} AT SEA LEVEL

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO +105°

ORDERING INFORMATION
SOCKETS

XXXX-XXXX

SOCKET SERIES:
(SEE TABLE 1)

STRAIN RELIEF:
00 = NO STRAIN RELIEF
XX = CONTACT QUANTITY FOR
PLASTIC STRAIN RELIEF
10 THRU 60 POSITION
(I.E. 50 FOR A 50 POS)
05 = PLASTIC STRAIN RELIEF
6 AND 8 POSITION
06 = METAL STRAIN RELIEF
10 THRU 60 POSITION

POLARIZATION:
0 = MILITARY (DUAL SLOT)
6 = CENTER BUMP AND MILITARY

COVER:
6 = OPEN END
(FOR DAISY CHANING OR BUSSING)
7 = CLOSED END
(FOR END CABLE TERMINATION)
(10 TO 60 POSITION ONLY)

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3M.com/interconnect>

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

UL
UL FILE NO: E68080

(ORDER SEPARATELY)
SEE TS-0720

ORDERING INFORMATION
STRAIN RELIEF

3448-X0XX

TYPE:
2 = METAL, LOW PROFILE
10 THRU 60 POSITION
(SEE NOTE 3)
3 = PLASTIC

XX = CONTACT QUANTITY
SEE TABLE 1
(I.E. 50 FOR A
50 POSITION STRAIN
RELIEF)

ORDERING INFORMATION
KEYING PLUG

3435-0000

ORDERING INFORMATION
PULL TABS

3490-X

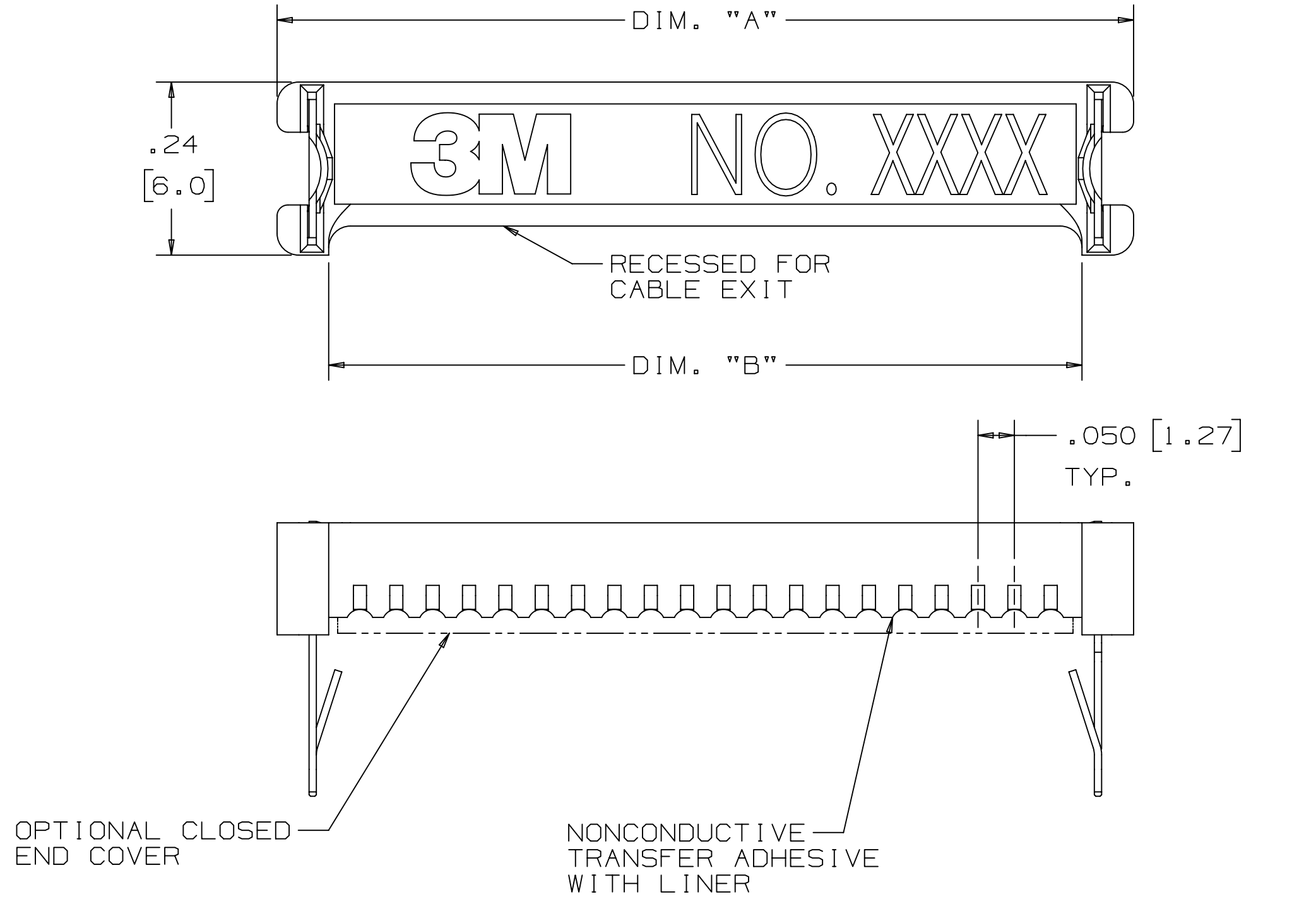
NOTE:
ASSEMBLY TOOLS:
3M PRESS (OR EQUIVALENT): 3640
3M LOCATOR PLATE: 3443-94
3M PLATTN: 3442-9

- NOTES
1. REGULATORY INFORMATION:
VISIT 3M.com/regs
 2. UNLESS OTHERWISE NOTED,
REFERENCES TO INDUSTRY
SPECIFICATIONS ARE INTENDED
TO INDICATE SUBSTANTIAL
COMPLIANCE TO THE MATERIAL
ELEMENTS OF THE SPECIFICATION.
SUCH REFERENCES SHOULD NOT BE
CONSTRUED AS A GUARANTEE OF
COMPLIANCE TO ALL REQUIREMENTS
IN A GIVEN SPECIFICATION.
 3. THIS POLARIZING GROOVE IS
NON-EXISTENT ON 3863, 3868,
3385 AND 3473 SERIES.
 4. THIS POLARIZING GROOVE IS
NON-EXISTENT ON 3863 SERIES
FOR POLARIZATION OPTION 6.
 5. THE LOW PROFILE STRAIN RELIEF
CAN BE USED WITH THE 4600 SERIES
PLUG AND .100 X .100 HEADERS
WITH EJECTOR LATCHES. THE LATCHES
WILL ONLY FUNCTION AS AN EJECTOR.
 6. TAPERED PIN TIP CONFIGURATION
RECOMMENDED.
 7. DIMENSION MEASURED AT TIP OF
PINS.

DIMENSIONS: INCHES [MM]
[MM] IS REF. ONLY

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXX	XXXX	ECO	ECO	DATE JUN 21, 2021	DATE	DATE
DIVISION	DIVISION CODE	DRFT	CHKD	DATE JUN 21, 2021	DATE	DATE
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED	INCHES .00 ± .01 .000 ± .005 .0000 ± .0002	MILLIMETERS 0 ± .00 ± .000 ± .000	MARKED ONLY	ANGLES ±
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MAX SURFACE ROUGHNESS	0 ± .00 ± .000	MARKED ONLY	ANGLES ±	ANGLES ±
CAGE NUMBER	SIZE	DRAWING NO.	REV.	MODEL	3000	1
78-5100-0718-6	D	78-5100-0718-6	G	1	1	1

3M™ WIREMOUNT SOCKET, 3000 SERIES
.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



COVER ASSEMBLY

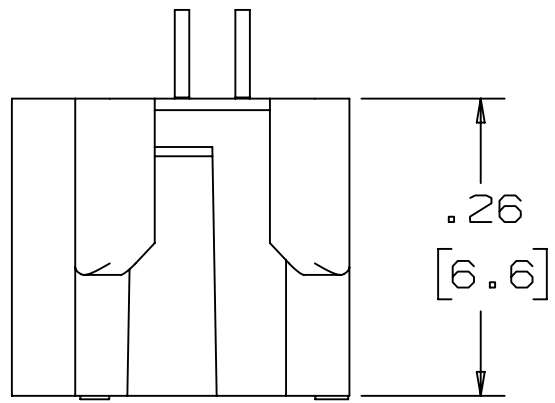
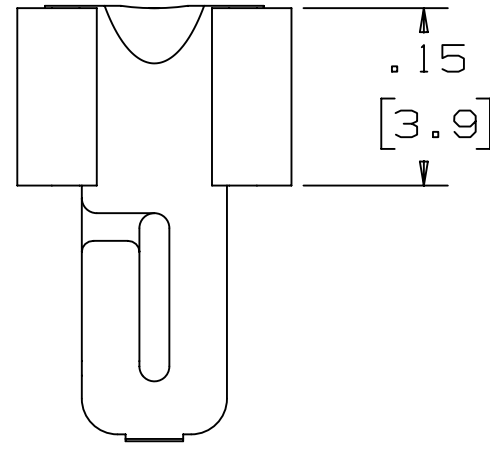
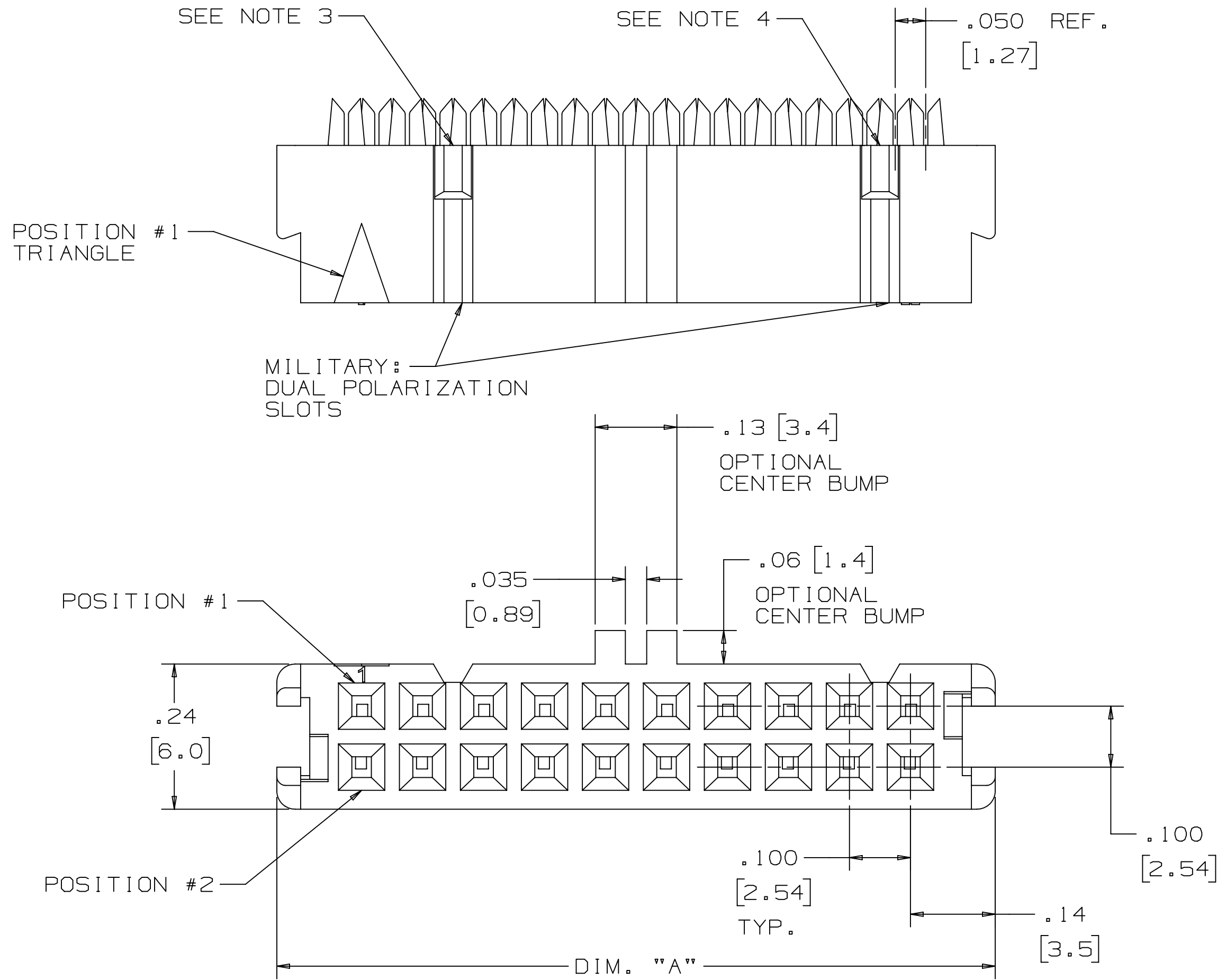
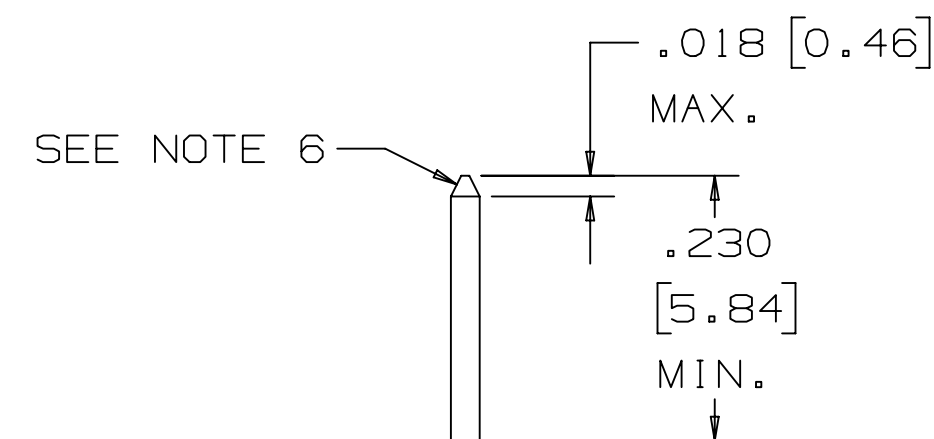


TABLE 1			
CONTACT QTY.	SOCKET SERIES	DIM. "A"	DIM. "B"
06	3863	0.48 [12.2]	0.34 [8.6]
08	3868	0.58 [14.7]	0.44 [11.2]
10	3473	0.68 [17.3]	0.54 [13.7]
14	3385	0.88 [22.4]	0.74 [18.8]
16	3452	0.98 [24.9]	0.84 [21.3]
20	3421	1.18 [30.0]	1.04 [26.4]
24	3626	1.38 [35.1]	1.24 [31.5]
26	3399	1.48 [37.6]	1.34 [34.0]
30	3419	1.68 [42.7]	1.54 [39.1]
34	3414	1.88 [47.8]	1.74 [44.2]
36	9436	1.98 [50.3]	1.84 [46.7]
40	3417	2.18 [55.4]	2.04 [51.8]
44	9444	2.38 [60.5]	2.24 [56.9]
50	3425	2.68 [68.1]	2.54 [64.5]
60	3334	3.18 [80.8]	3.04 [77.2]

DESIGN REFERENCE		NEXT ASSEMBLY		G 97305		JUN 21, 2021		JNC		SAN	
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD			
DRFT		CASTIGLIONE		DATE JUN 21, 2021		MFS		DATE			
CHKD				DATE		APPRV		DATE JUN 22, 2021			
DIVISION		DIVISION CODE		EMSD		3M		3M Center		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 6 1		TOLERANCES EXCEPT AS NOTED		INCHES .0 .00 .000 .0000 .00000 .00000		MILLIMETERS 0 .0 .00 .000 .0000 .00000		TITLE WIREMOUNT SOCKET, .100" X .100", .050" PITCH CABLE	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		MAX. SURFACE ROUGHNESS		MARKED ONLY		CAGE NUMBER		DRAWING NO. 78-5100-0718-6	
								MODEL 3000		REV. G	

.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



Technical drawing of a mechanical part showing dimensions and tolerances. The drawing includes a cross-section of a component with a flange and a central shaft. The dimensions and tolerances are as follows:

- Overall height: $.64$ [16.2] REF.
- Height of the central shaft: $.566$ [14.38] REF.

Technical drawing of a mechanical part showing a side view. The part features a top flange with three circular features and a bottom flange with three rectangular features. A dimension line on the right indicates a height of 54 mm from the bottom flange to the top flange, with a tolerance of +0.54 and a reference dimension of 13.7 mm.

Technical drawing of a mechanical part showing a cross-section. The part has a central vertical section with a semi-circular top and a horizontal section with three circular features. Dimensions include a total height of 41, a width of 10.5, and a reference line labeled REF.

G		97305		JUN 21, 2021		JNC		SAN	
DESIGN REFERENCE				NEXT ASSEMBLY		REVISED AND REDRAWN			
ACCORD		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT CHKD	
✓		✓		✓		DATE JUN 21, 2021		DATE	
✓		✓		✓		DATE		DATE JUN 22, 2021	
DIVISION		DIVISION CODE		3M CENTER		APPROVAL		DATE	
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THIRD ANGLE PROJECTION		INCHES 0.0 ± .1, 0.000 ± .005, 0.000 ± .0002		MILLIMETERS 0 ± .1, 0.00 ± .005, 0.00 ± .0002		TITLE WIREMOUNT SOCKET, 100 ^W X 100 ^W , .050 ^W PITCH CABLE		REV. G	
MAX. SURFACE ROUGHNESS		INTERPRET PER ASME Y14.5 - 2018		CAGE NUMBER		SIZE		DRAWING NO.	
✓		✓		D		578-5100-0718-6		G	
MARKED ONLY		ANGLES ±		MODEL		3000		DET. LISTS	
✓		✓		✓		✓		YES NO SHT 3 OF 4	

3M™ WIREMOUNT SOCKET, 3000 SERIES

.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)

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						REVISED AND REDRAWN									
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DIVISION				CHGD		APPRV. S. NEU									
DIVISION CODE EMSD				© 3M COPYRIGHT 2021											
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		INCHES .0 ± .01 .000 ± .005 .0000 ± .0002		TITLE WIREMOUNT SOCKET, 100'' X 100'', .050'' PITCH CABLE											
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ±											
MAX SURFACE ROUGHNESS ALL SURFACES MARKED ONLY		ANGLES ±		CASE NUMBER SIZE DRAWING NO. D 78-5100-0718-6		REV. G									
				MODEL 3000		DET. YES NO SHT 4 OF 6									