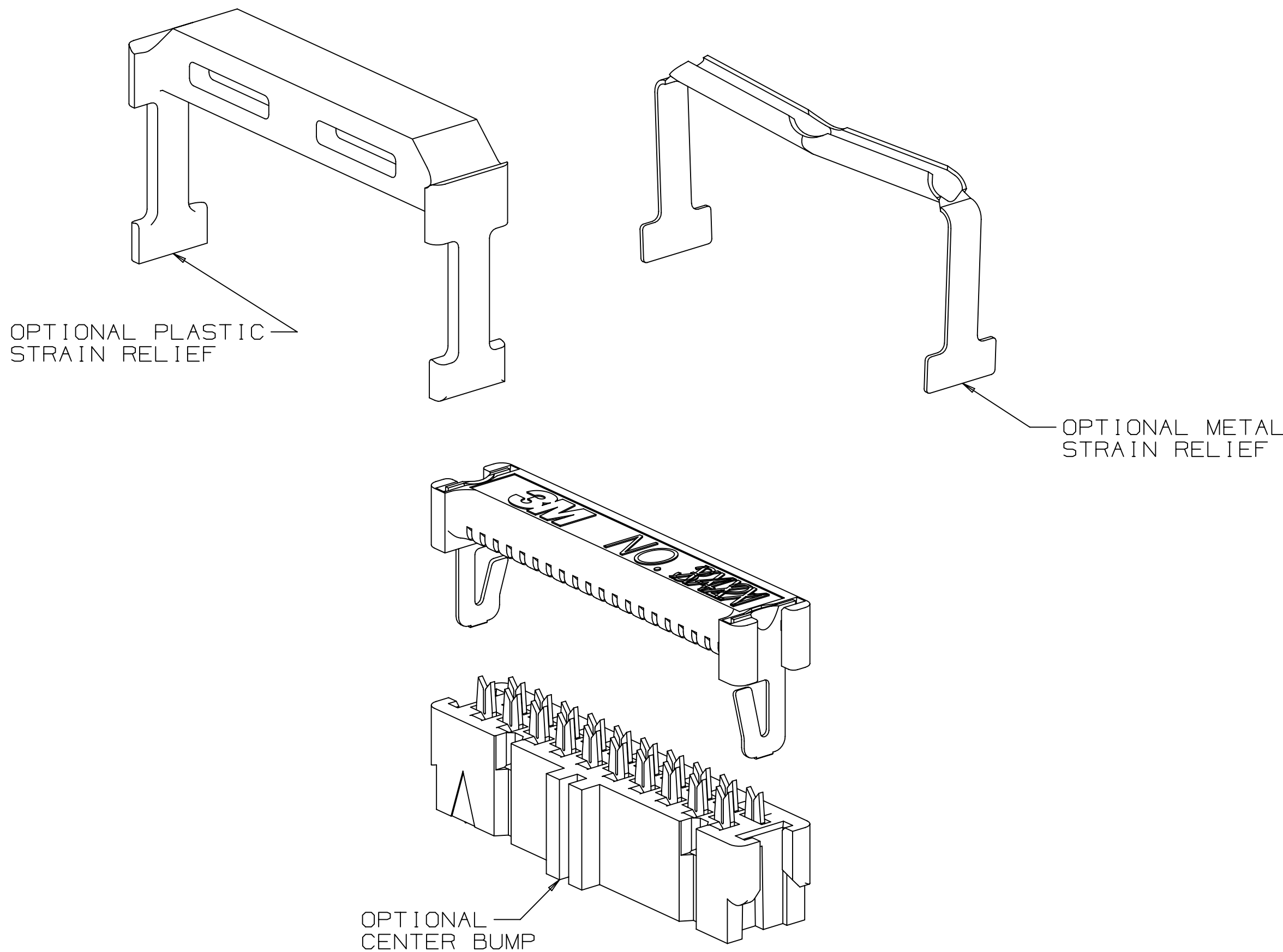


3M™ WIREMOUNT SOCKET, 3000 SERIES
.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



- * 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: GRAY
COLOR: COPPER ALLOY
CONTACT: 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

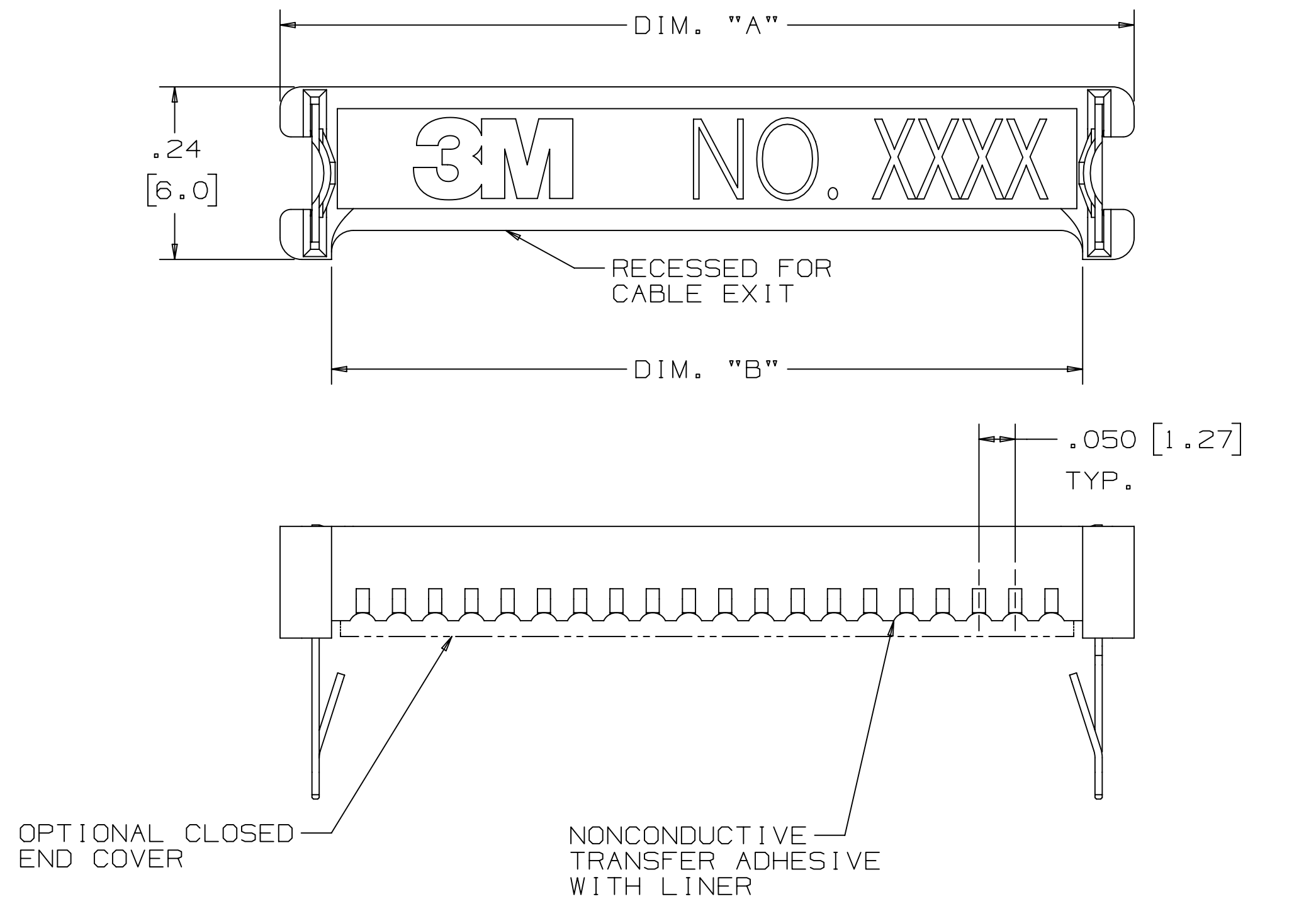
NOTE:
ASSEMBLY TOOLS:
3M PRESS (OR EQUIVALENT): 3640
3M LOCATOR PLATE: 3443-94
3M PLATTN: 3442-9

- 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.

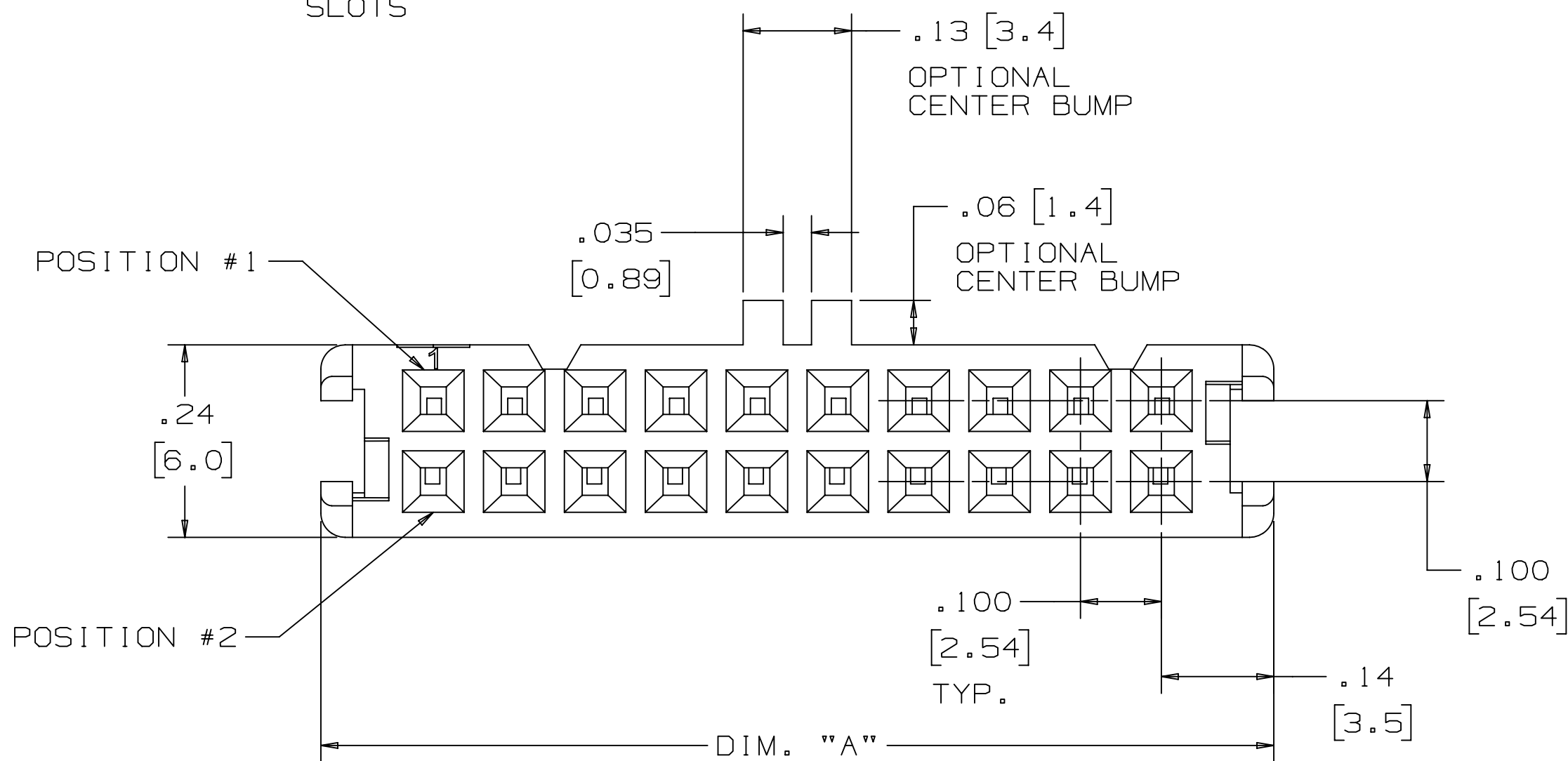
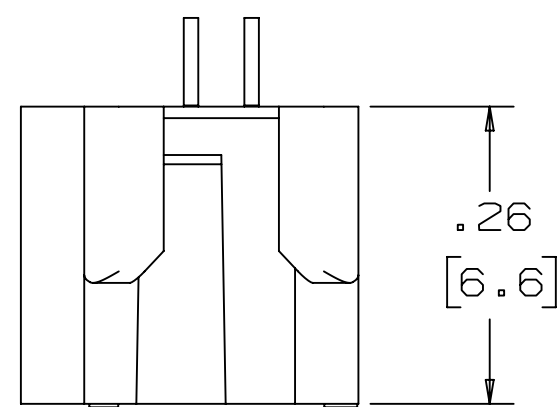
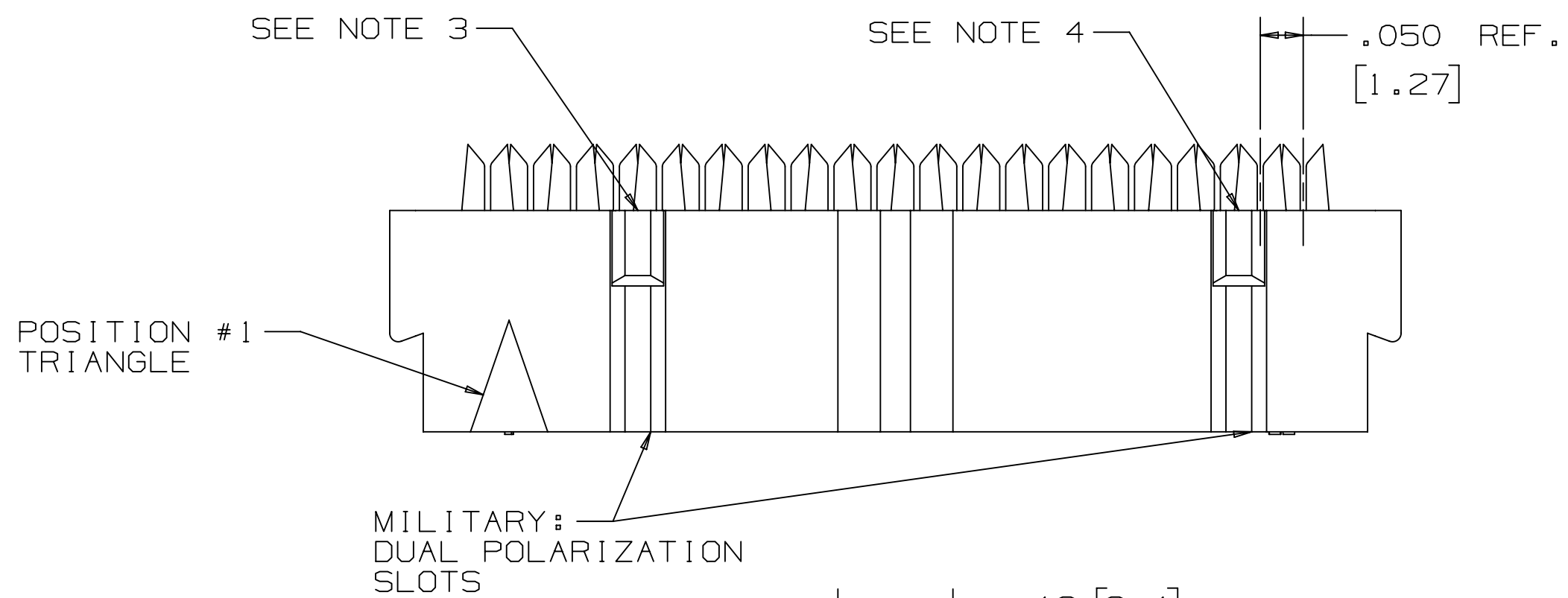
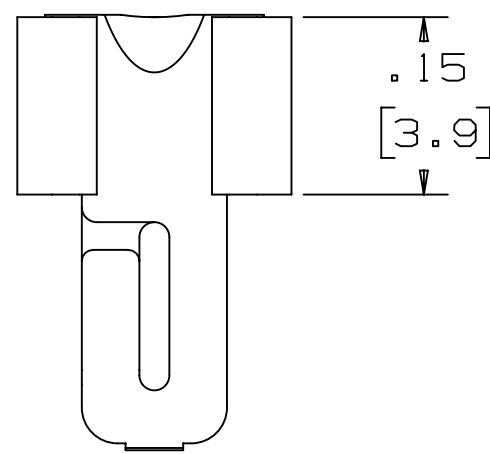
DIMENSIONS: INCHES [MM]
[MM] IS REF. ONLY

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

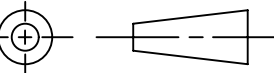
3M™ WIREMOUNT SOCKET, 3000 SERIES
.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



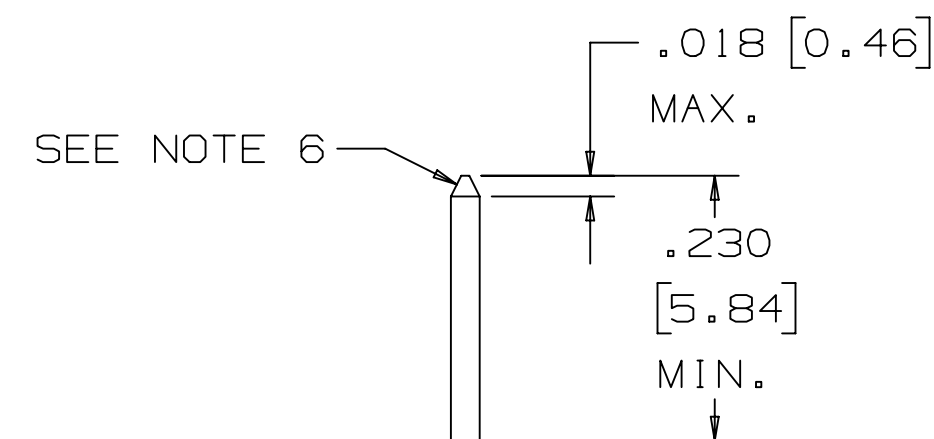
COVER ASSEMBLY



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]

		G	97305	JUN 21, 2021	JNC	SAN
DESIGN REFERENCE		NEXT ASSEMBLY		REVISED AND REDRAWN		
REV		ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD	
ADDRESS CODES		CSTIGLLIONE		DATE JUL 21, 2021	MFG	DATE JUN 22, 2021
		CHKD		APPROV S. NEU		
DIVISION	DIVISION CODE EMSD		© 3M COPYRIGHT 2021			
DO NOT SCALE DRAWING	SCALE 6 I	TOLERANCES EXCEPT AS NOTED	3M 3M Center St. Paul, MN 55144	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.		
		TITLE WIREMOUNT SOCKET, .100" X .100", .050" PITCH CABLE				
THIRD ANGLE PROJECTION		INCHES .00 ±.01 .00 ±.005 -0.0000 ±.0002 MILLIMETERS 0 .00 ± 0 ±.005 0 ±.0002				
INTERPRET PER ASME Y14.5 2018		CAGE NUMBER SIZE DRAWING NO. D 78-5100-0718-6 G				
MAX SURFACE ROUGHNESS ✓ ALL SURFACES ✓ MARKED ONLY		MODEL 3000 DET LISTS DYES ☐ NO SHT 2 OF 4				

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



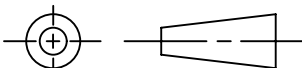
Technical drawing of a mechanical part showing dimensions and tolerances:

- Dimension $.64$ with tolerance $[16.2]$ and reference marker REF.
- Dimension $.566$ with tolerance $[14.38]$ and reference marker REF.

54

[13.7]

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	
✓		✓		✓		MFG		DATE	
✓		✓		✓		APPR. S. NEU		DATE JUN 22, 2021	
DIVISION		DIVISION CODE		EMSD		© 3M COPYRIGHT 2021			
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 THIRD ANGLE PROJECTION		INCHES .00 ± .01 .000 ± .005 .0000 ± .0002		TITLE WIREMOUNT SOCKET, 100^W X 100^W, .050^W PITCH CABLE		3M Center St. Paul, MN 55144			
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± .01 .00 ± .005 .000 ± .002		CAGE NUMBER D		SIZE 5100-0718-6		REV. G	
MAX. SURFACE ROUGHNESS ✓ ☐ ALL SURFACES ✓ ☐ 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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		G	97305	JUN 21,2021		JNC	SAN
		REV	ECO	REVISED AND REDRAWN		DRFT	CHKD
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		CHKD		DATE		APPRV	
						S. NEU	
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DO NOT SCALE DRAWING		SCALE B 1		TOLERANCES EXCEPT AS NOTED		TITLE	
				INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002		WIREMOUNT SOCKET, .100" X .100", .050" PITCH CABLE	
THIRD ANGLE PROJECTION				MILLIMETERS 0 ± .0 ± .00 ± .000 ±		CAGE NUMBER	
INTERPRET PER ASME Y14.5 - 2018				X ALL SURFACES		SIZE	
MAX SURFACE ROUGHNESS				MARKED ONLY		DRAWING NO.	
						D78-5100-0718-6	
						REV.	
						G	
				MODEL		DET	
				3000		LISTS	
						YES	
						NO	
						SHT 4 OF 4	