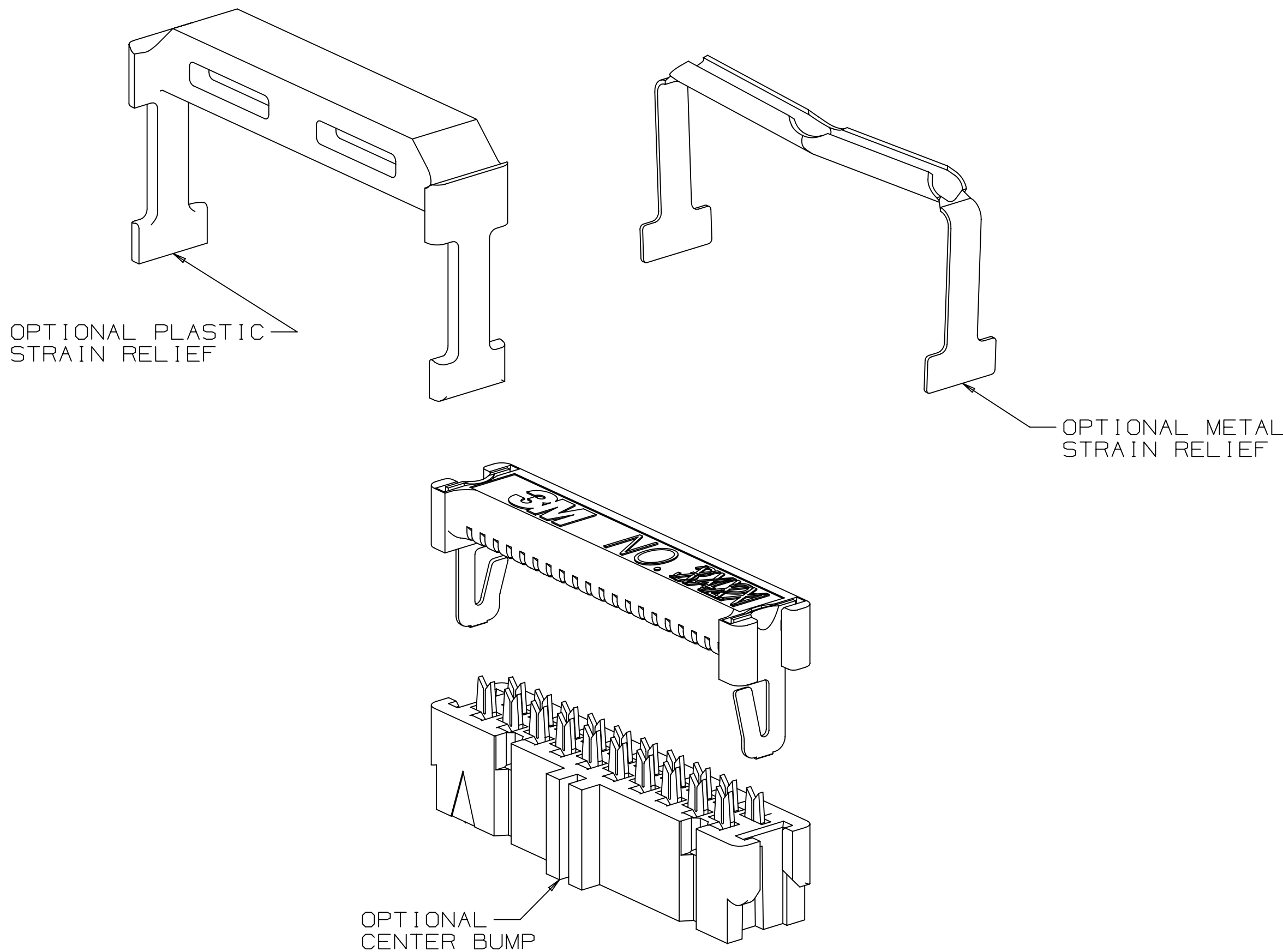


3M™ WIREMOUNT SOCKET, 3000 SERIES
.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



- * 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

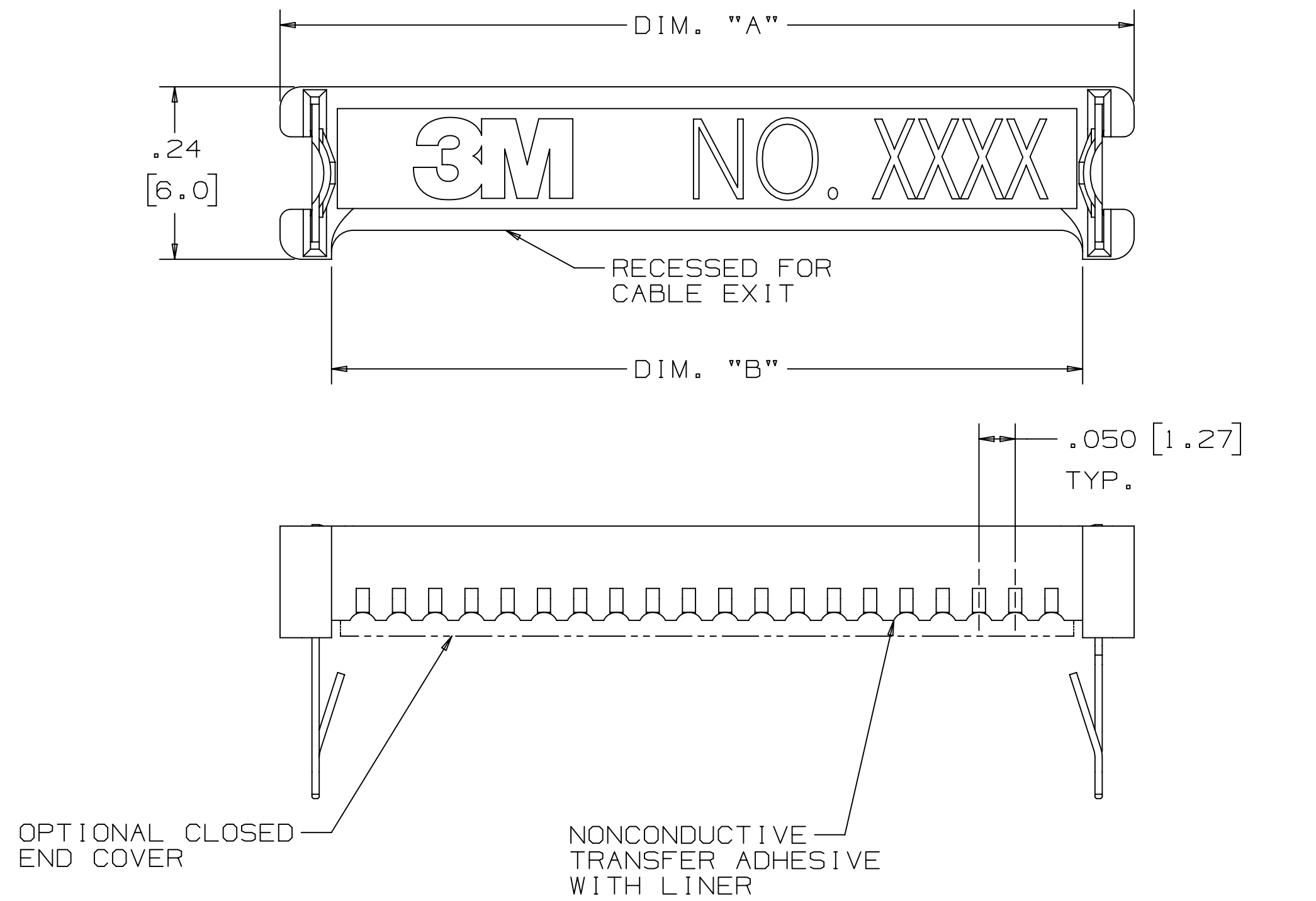
NOTE:
ASSEMBLY TOOLS:
3M PRESS (OR EQUIVALENT): 3640
3M LOCATOR PLATE: 3443-94
3M PLATTN: 3442-9

- 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.

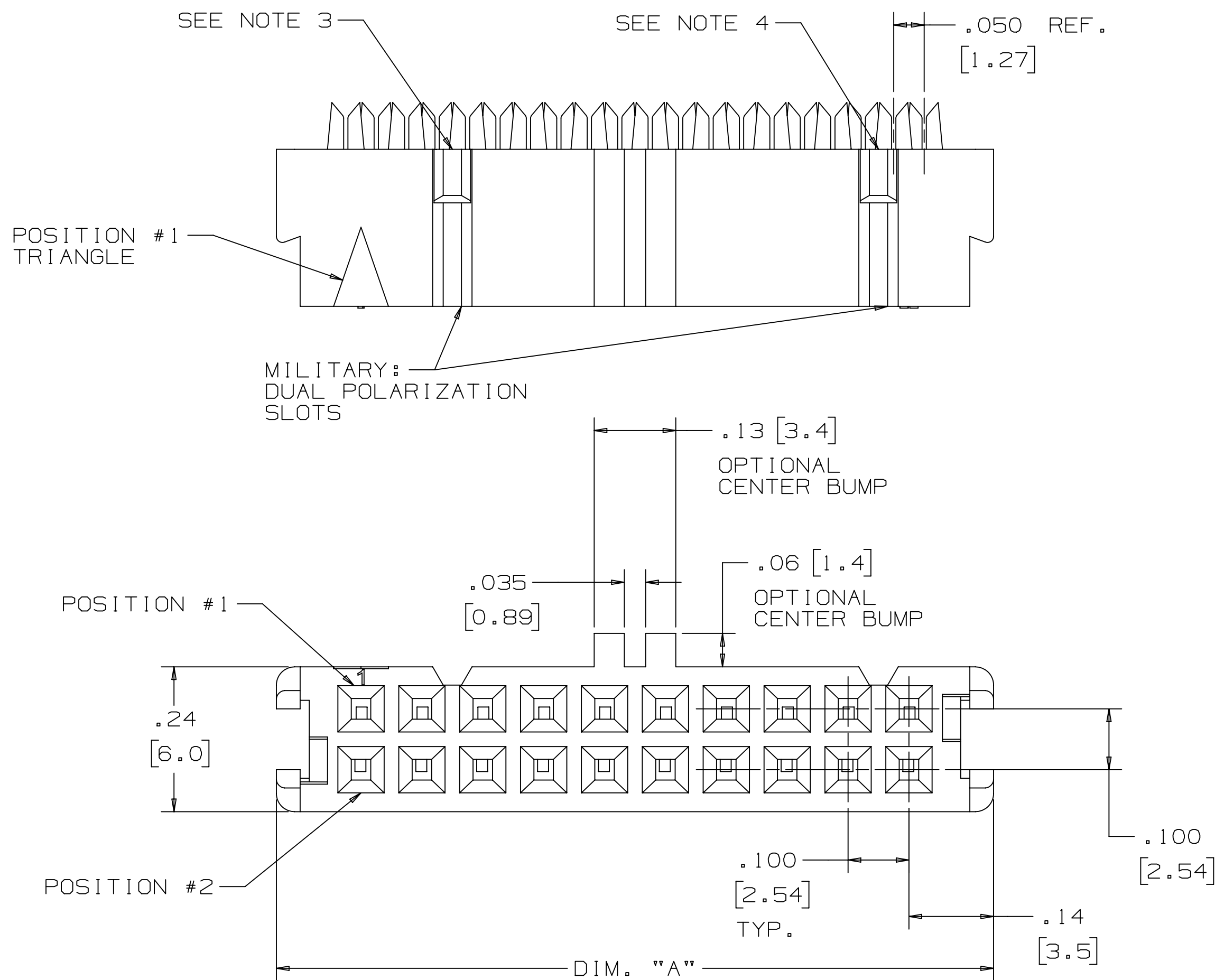
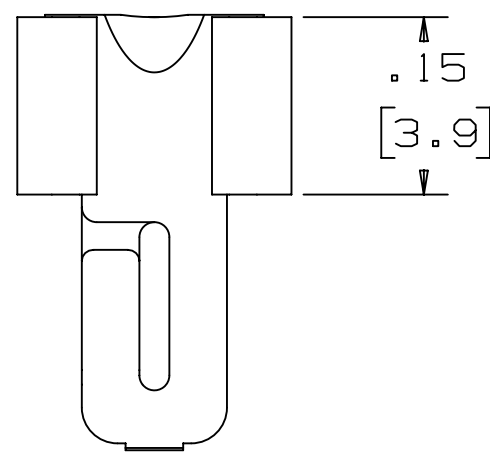
DIMENSIONS: INCHES [MM]
[MM] IS REF. ONLY

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 ±
3M	3M Center St. Paul, MN 55144	© 3M COPYRIGHT 2021	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	CAGE NUMBER D78-5100-0718-6
MODEL	3000	SIZE	DRAWING NO.	REV.	LISTS	YES NO SHT 1 OF 4

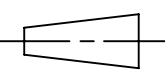
3M™ WIREMOUNT SOCKET, 3000 SERIES
.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



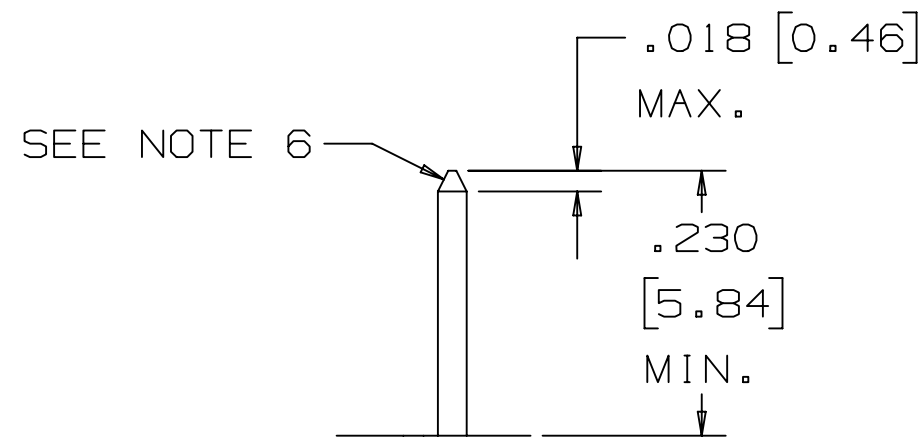
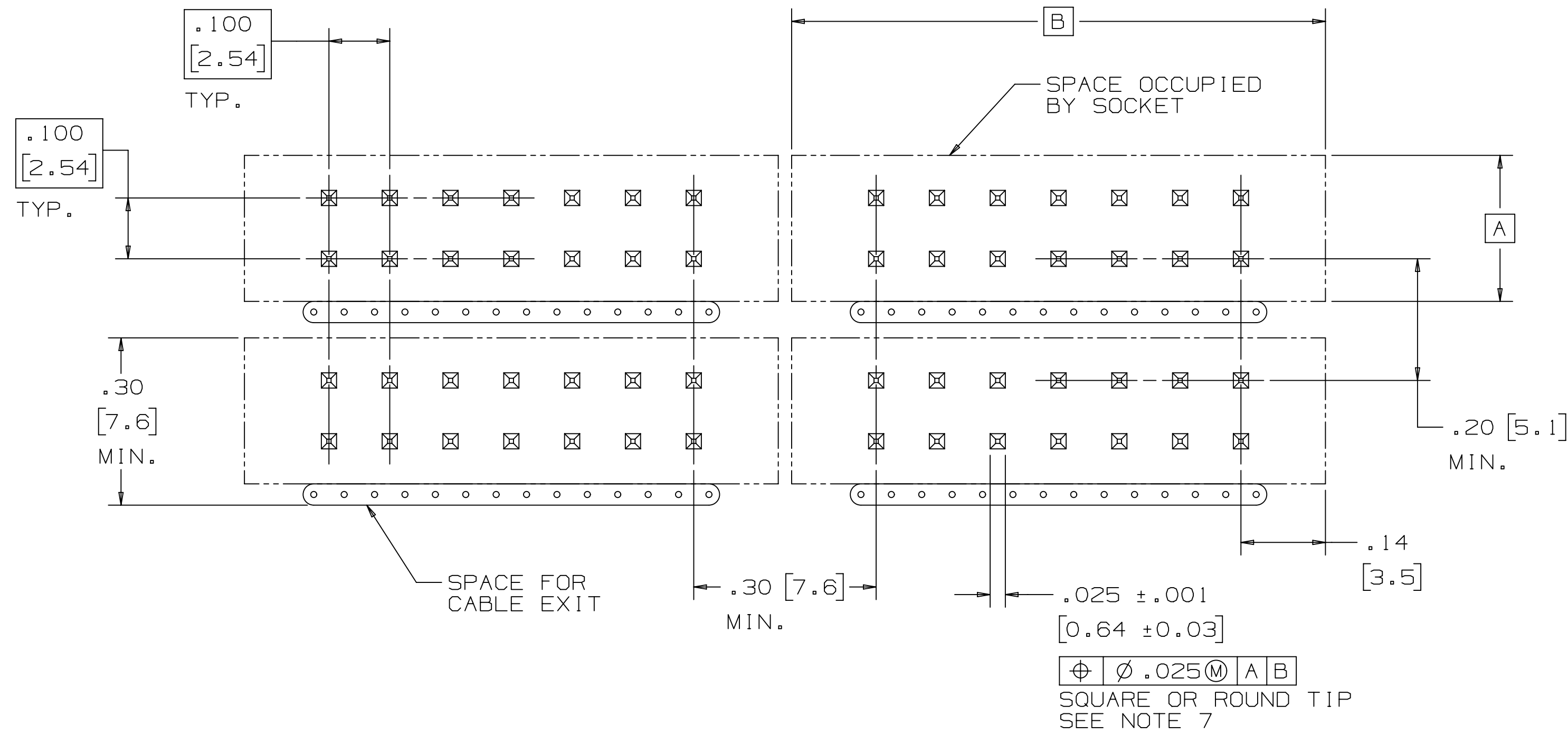
COVER ASSEMBLY



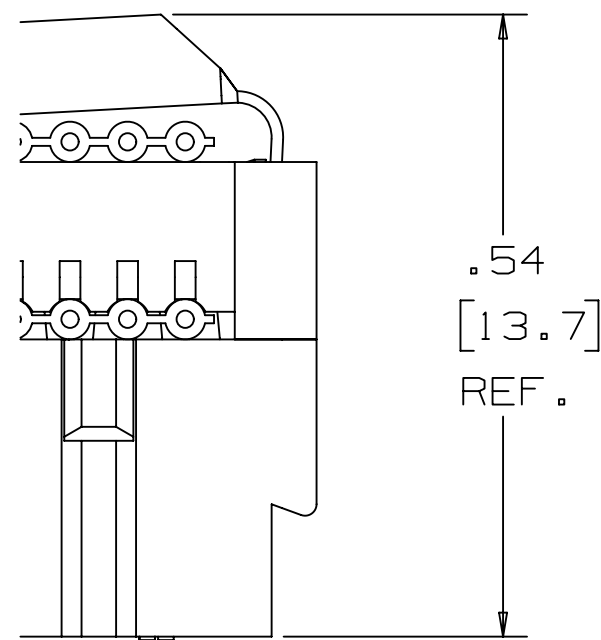
CONTACT QTY.	SOCKET SERIES	DIM. "A"	DIM. "B"
06	3863	0.48 [12.2]	0.34 [8.6]
08	3868	0.58 [14.7]	0.44 [11.2]
10	3473	0.68 [17.3]	0.54 [13.7]
14	3385	0.88 [22.4]	0.74 [18.8]
16	3452	0.98 [24.9]	0.84 [21.3]
20	3421	1.18 [30.0]	1.04 [26.4]
24	3626	1.38 [35.1]	1.24 [31.5]
26	3399	1.48 [37.6]	1.34 [34.0]
30	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]

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REVISED AND REDRAWN															
DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION				DRFT		CHKD	
ACROSS				REV		ECO		DATE				APPRO		DATE	
				CHGD		CASTIGLIONE		DATE				MFG		DATE	
								DATE				S. NEU		JUN 22, 2021	
DIVISION		DIVISION CODE		EMSD		 3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2021 This drawing and the information it contains are 3M property and may not be reproduced or further distributed without the 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		TITLE		WIRE MOUNT SOCKET, .100" X .100", .050" PITCH CABLE							
				INCHES .00 ±.01 .00 ±.005 .0000 ±.0002		MILLIMETERS 0 ± .00 ± .00 ±		CAGE NUMBER		SIZE		DRAWING NO.		REV.	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 2018		MAX. SURFACE ROUGHNESS ☐ ALL SURFACES ☒ MARKED ONLY		ANGLES ±		5100-0718-6		G					
								MODEL		3000		DET.		LSTS	
												YES ☒ NO		SHT 2 OF 4	

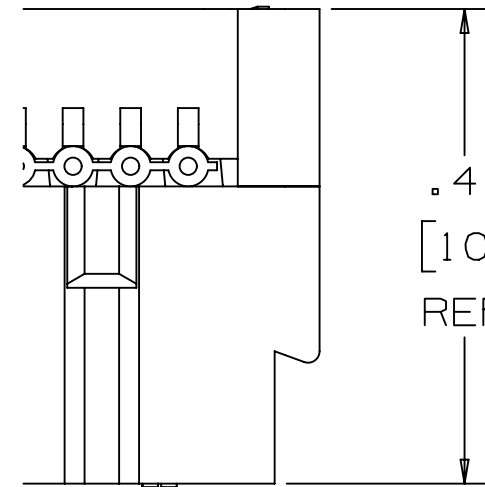
3M™ WIREMOUNT SOCKET, 3000 SERIES
.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



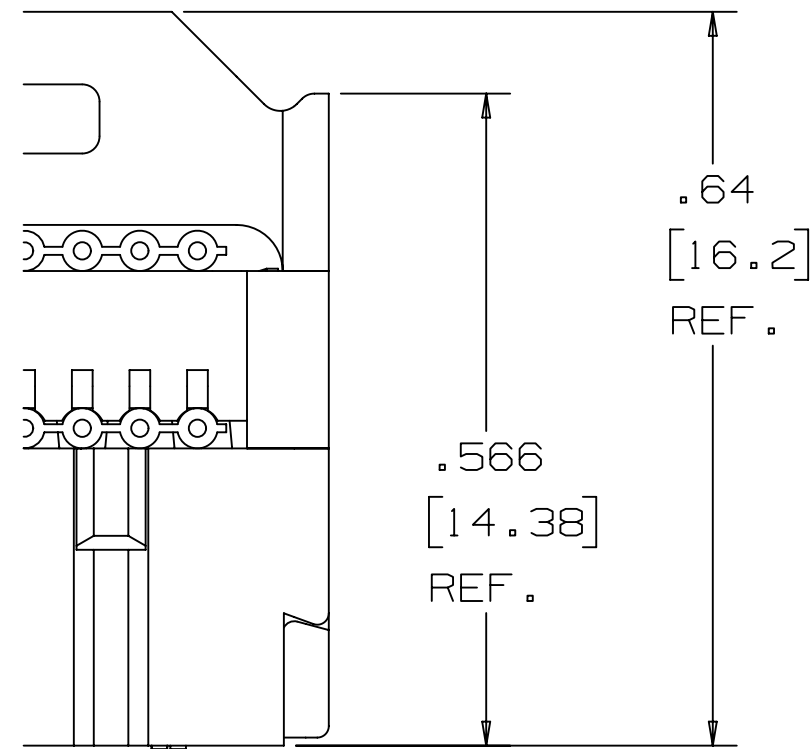
RECOMMENDED PIN PATTERN
FOR STACKED CONFIGURATIONS



ASSEMBLED HEIGHT
WITH METAL PROFILE
STRAIN RELIEF



ASSEMBLED HEIGHT
WITHOUT STRAIN RELIEF



ASSEMBLED HEIGHT
WITH PLASTIC
STRAIN RELIEF

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
XREFS		CODES		DRFT		CAST		GLONE		DATE		DATE	
DIVISION		DIVISION CODE		CHKD		DATE		APPR		DATE		DATE	
DO NOT SCALE DRAWING		SCALE 6/1		TOLERANCES EXCEPT AS NOTED		INCHES		MILLIMETERS		ANGLES		MAX. SURFACE ROUGHNESS	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		ALL SURFACES MARKED ONLY		.00 ± .01		.000 ± .005		.0000 ± .0002		.00 ± .000	
CAGE NUMBER		SIZE		DRAWING NO.		REV.		DET		YES		NO	
MODEL		3000		D78-5100-0718-6		G		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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ISSUE DATE AND DESCRIPTION		DRFT		CHKD					
CAST		TIG LONE		MFG		DATE		DATE	
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DIVISION		DIVISION CODE							
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DO NOT SCALE DRAWING		SCALE B 1		TOLERANCES EXCEPT AS NOTED					
		INCHES .0 .00 ± .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 .00 ± .00 ± .000 ±					
MAX SURFACE ROUGHNESS 1. ALL SURFACES 2. MARKED ONLY		1. ALL SURFACES 2. MARKED ONLY		CASE NUMBER 578-5100-0718-6		SIZE 3000		DRAWING NO. 6	
1. ALL SURFACES 2. MARKED ONLY		1. ALL SURFACES 2. MARKED ONLY		1. ALL SURFACES 2. MARKED ONLY		1. ALL SURFACES 2. MARKED ONLY		1. ALL SURFACES 2. MARKED ONLY	
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