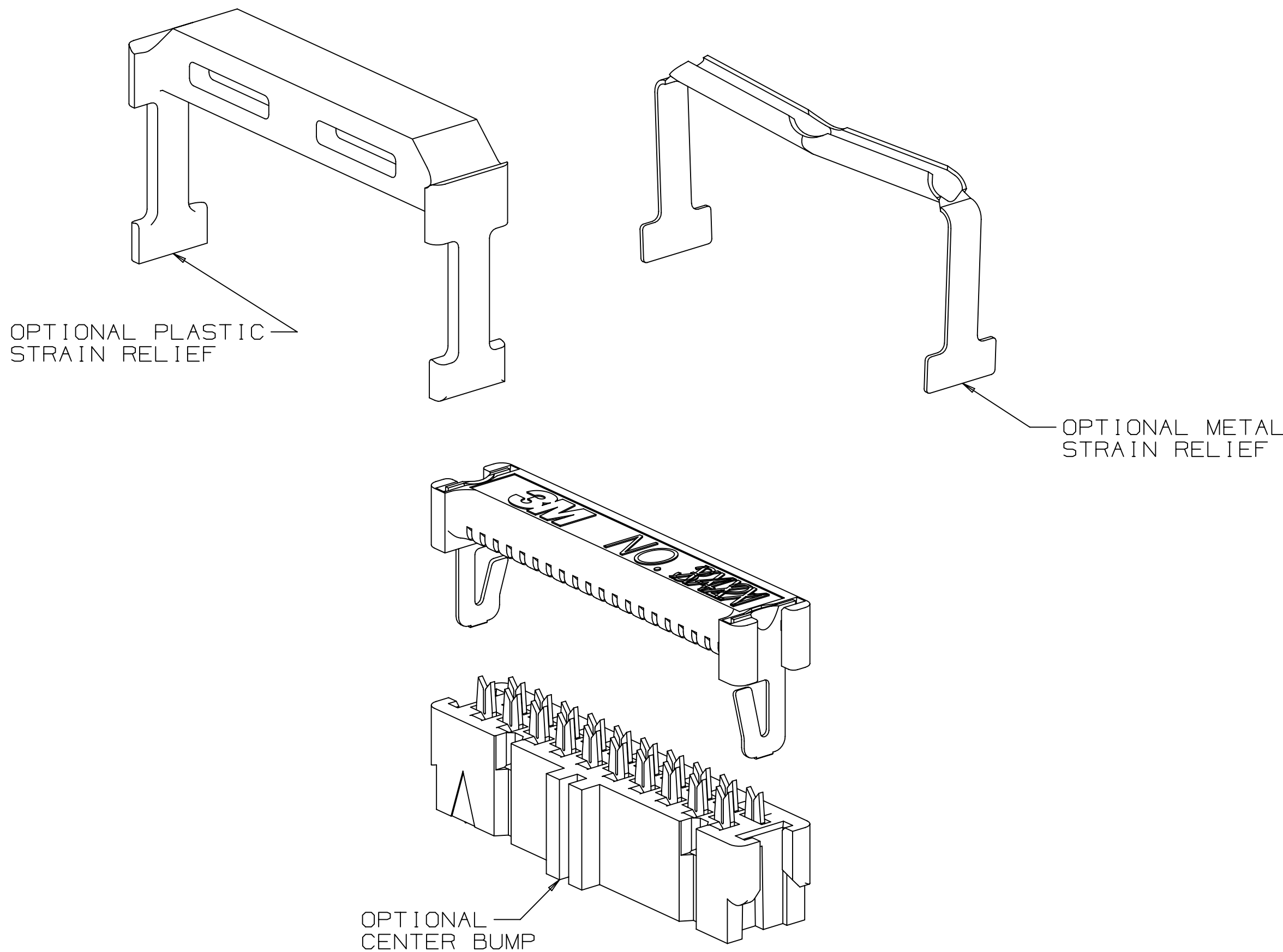


3M™ WIREMOUNT SOCKET, 3000 SERIES
.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



- * 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

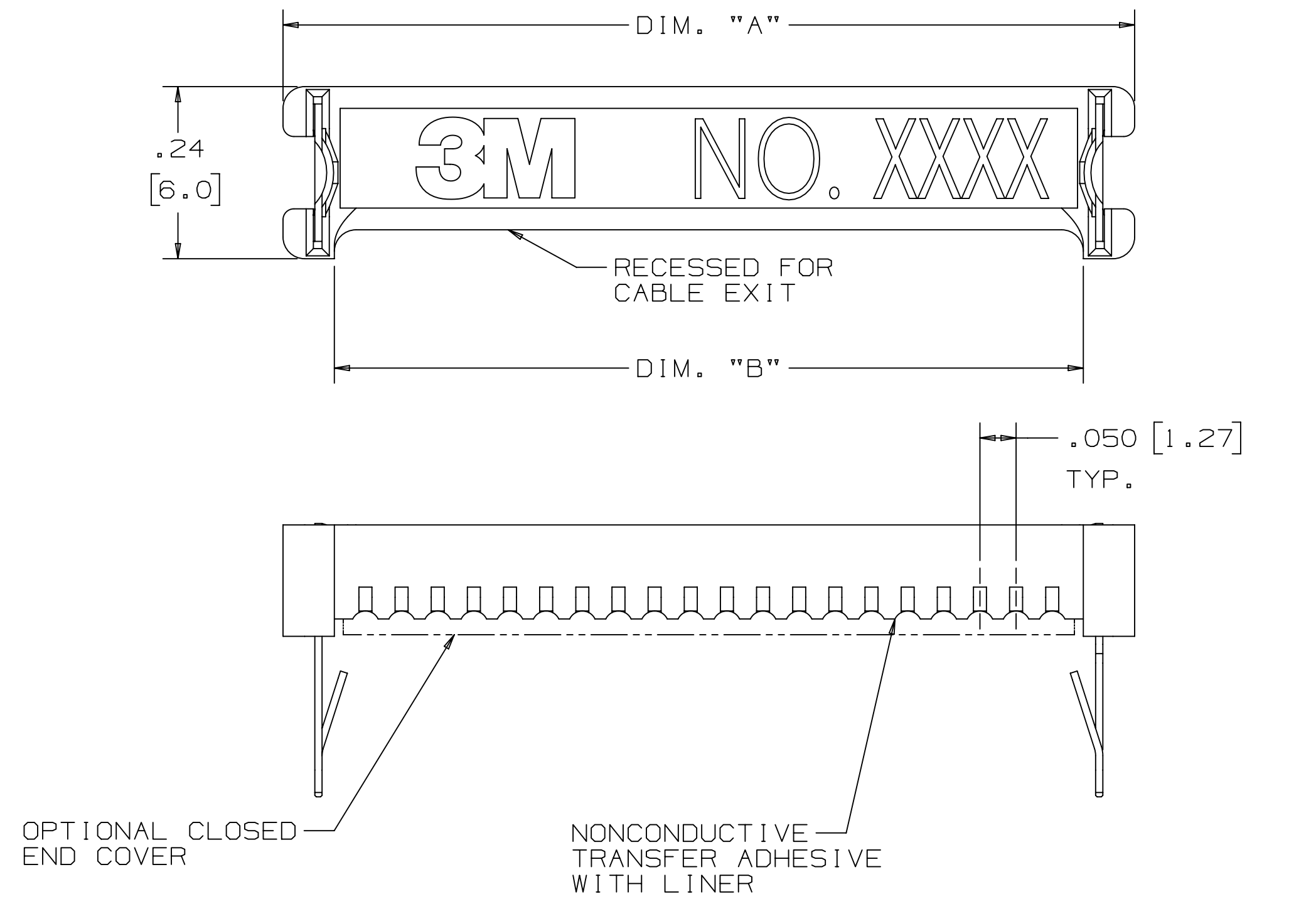
NOTE:
ASSEMBLY TOOLS:
3M PRESS (OR EQUIVALENT): 3640
3M LOCATOR PLATE: 3443-94
3M PLATTN: 3442-9

- 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	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DIVISION	DIVISION CODE	DATE	DATE	DATE	DATE	DATE
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	INCHES	0.00 ± .01	0.000 ± .005	0.0000 ± .0002
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MAX. SURFACE ROUGHNESS	0.00 ± .000	0.00 ± .000	0.00 ± .000	0.00 ± .000
MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY
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
MODEL	3000	SIZE	DRAWING NO.	REV.	78-5100-0718-6	G
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

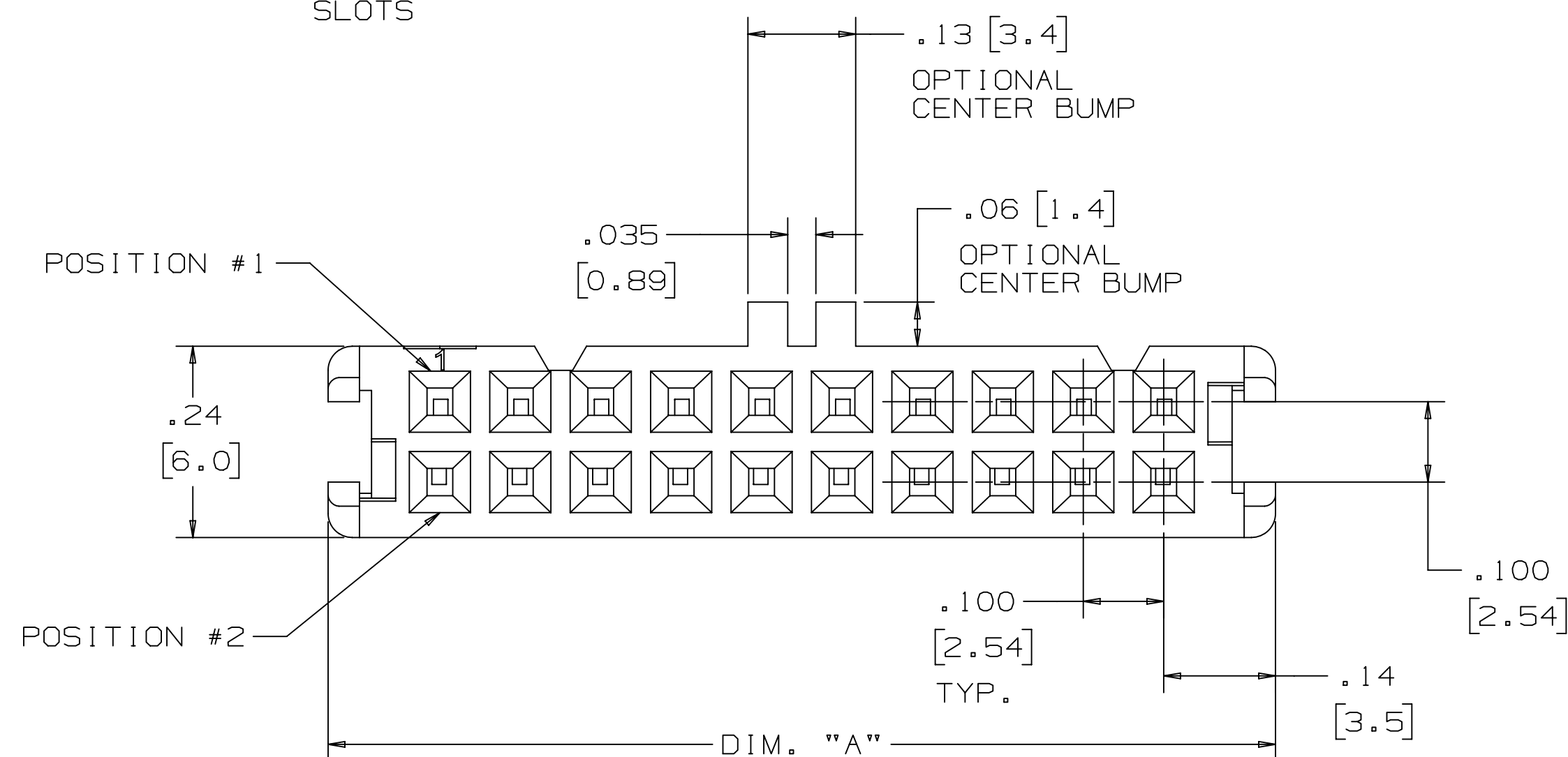
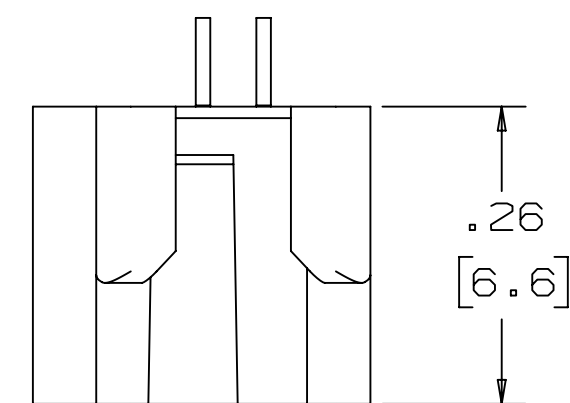
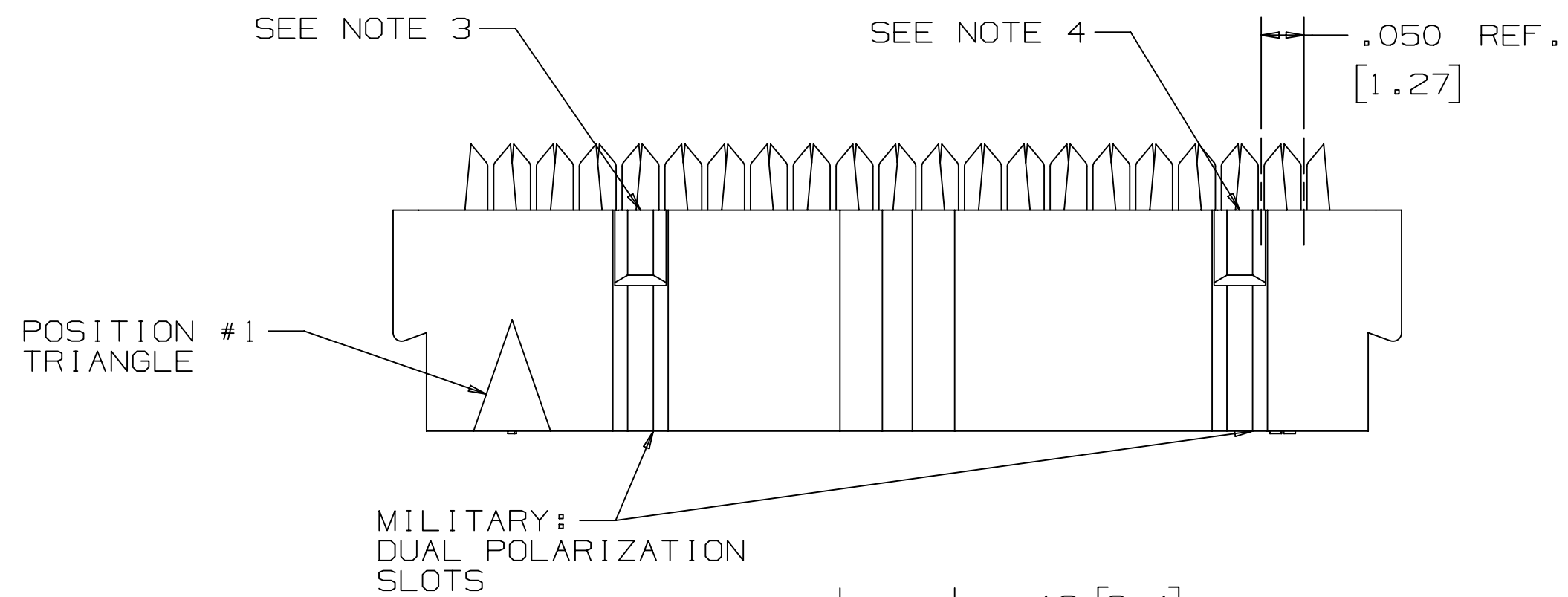
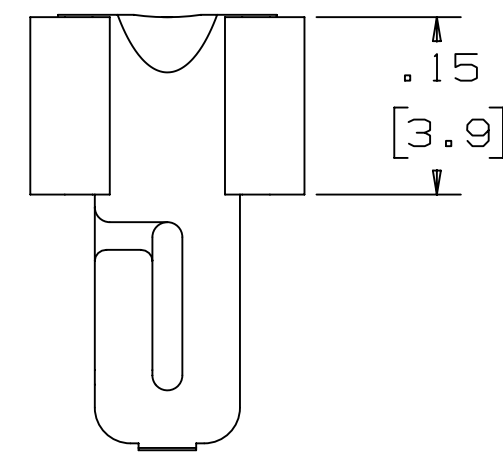
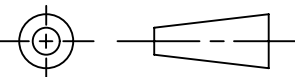
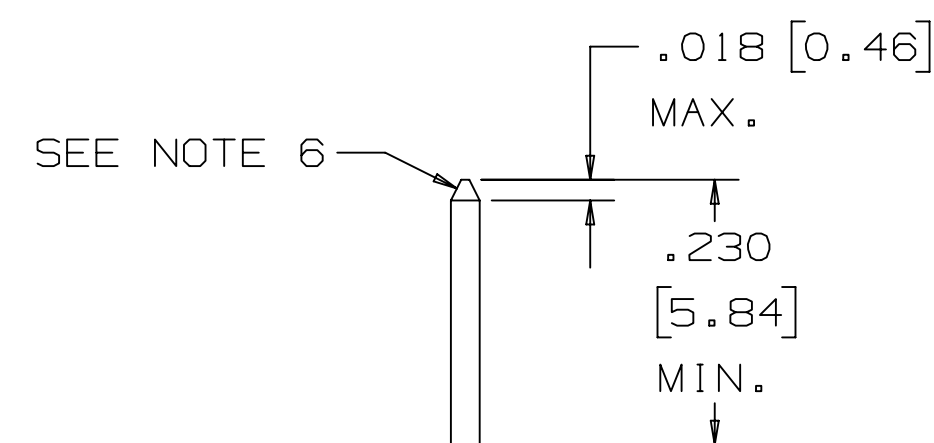
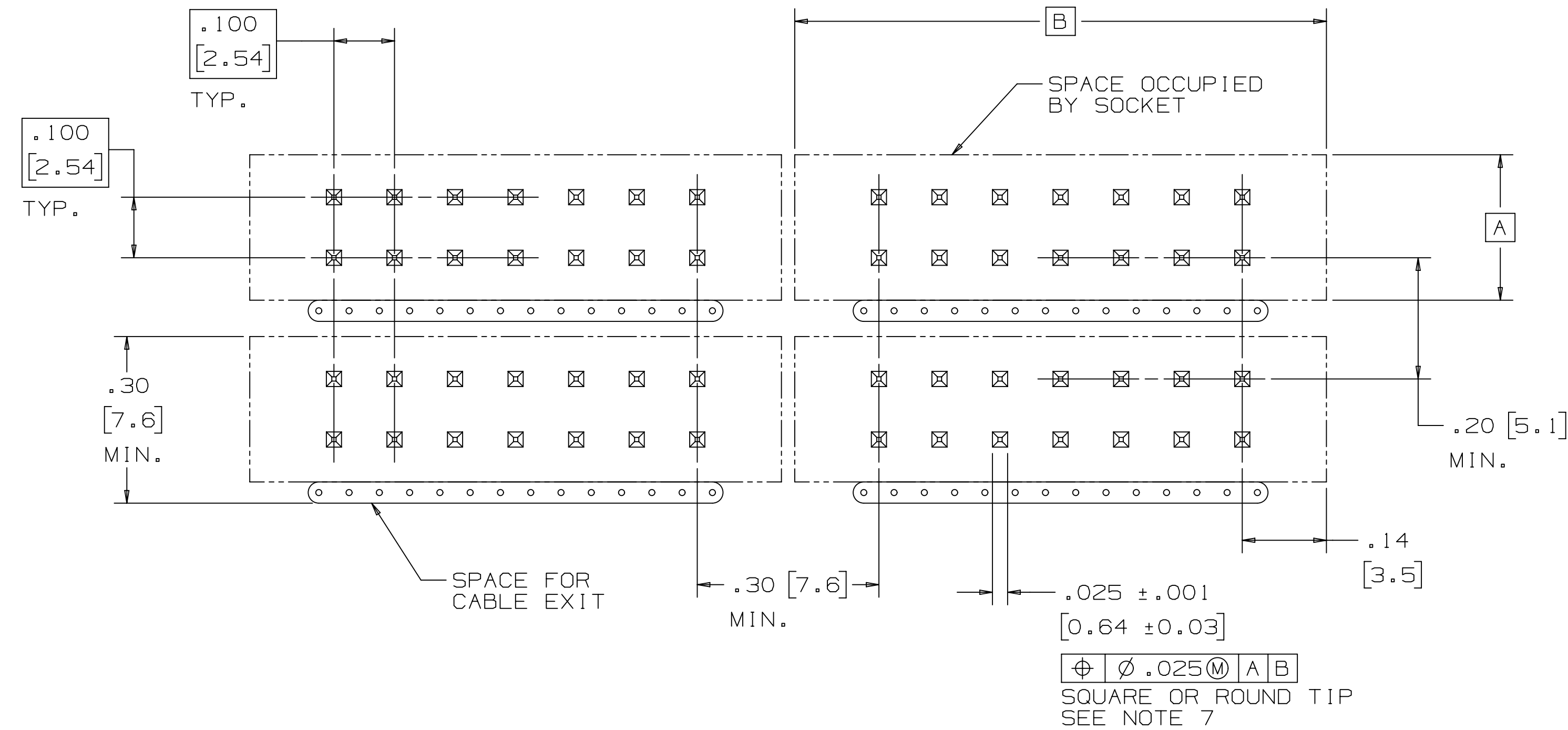


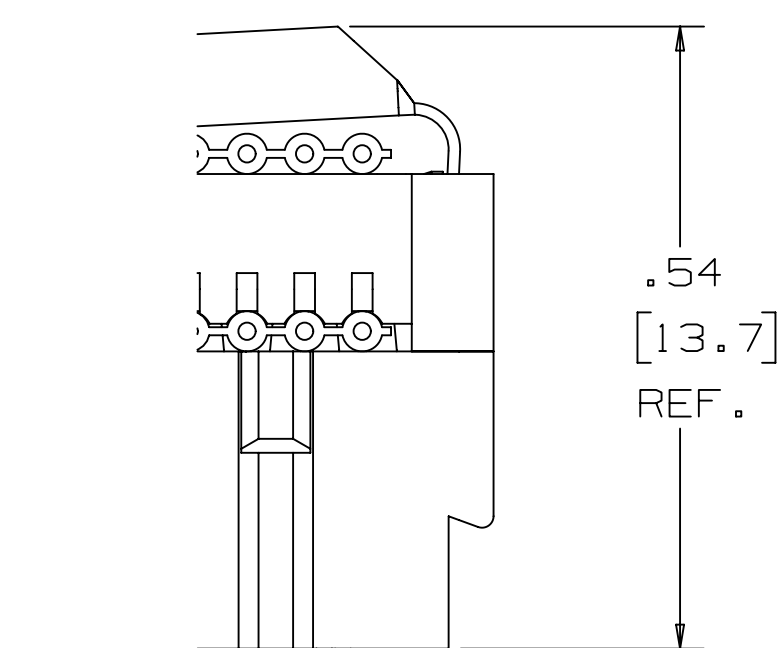
TABLE 1			
CONTACT QTY.	SOCKET SERIES	DIM. "A"	DIM. "B"
06	3863	0.48 [12.2]	0.34 [8.6]
08	3868	0.58 [14.7]	0.44 [11.2]
10	3473	0.68 [17.3]	0.54 [13.7]
14	3385	0.88 [22.4]	0.74 [18.8]
16	3452	0.98 [24.9]	0.84 [21.3]
20	3421	1.18 [30.0]	1.04 [26.4]
24	3626	1.38 [35.1]	1.24 [31.5]
26	3399	1.48 [37.6]	1.34 [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]

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				REVISED AND REDRAWN					
ISSUE DATE AND DESCRIPTION		DRFT		DATE		MFG		DATE	
ECO		CASTIGLIONE		JUN 21, 2021					
CHKD				DATE		APPRV. S NEU		DATE JUN 22, 2021	
DIVISION		DIVISION CODE EMSD		© 3M COPYRIGHT 2021					
DO NOT SCALE DRAWING		SCALE $\frac{6}{1}$		TOLERANCES EXCEPT AS NOTED		 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.			
 THIRD ANGLE PROJECTION		INCHES .00 ± .01 .000 ± .005 .0000 ± .0002		TITLE WIREMOUNT SOCKET, .100" X .100", .050" PITCH CABLE					
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± .0 .00 ± .003 .000 ± .0002		CAGE NUMBER		SIZE		DRAWING NO.	
MAX SURFACE ROUGHNESS ✓ ☐ MARKED SURFACES ✓ ☐ MARKED ONLY		ANGLES ±		D		578-5100-0718-6		REV. G	
				MODEL		3000		DET. LISTS ☐ YES ☒ NO SHT 2 OF 4	

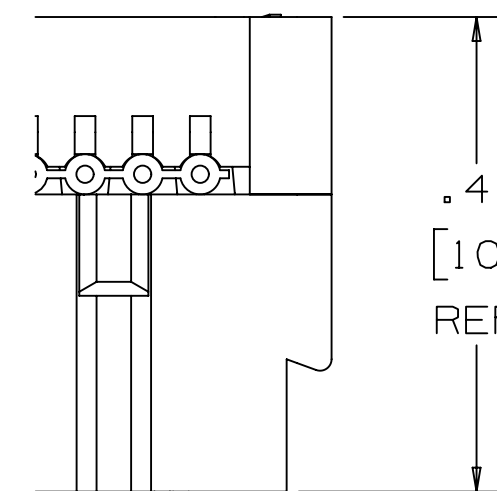
3M™ WIREMOUNT SOCKET, 3000 SERIES
.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



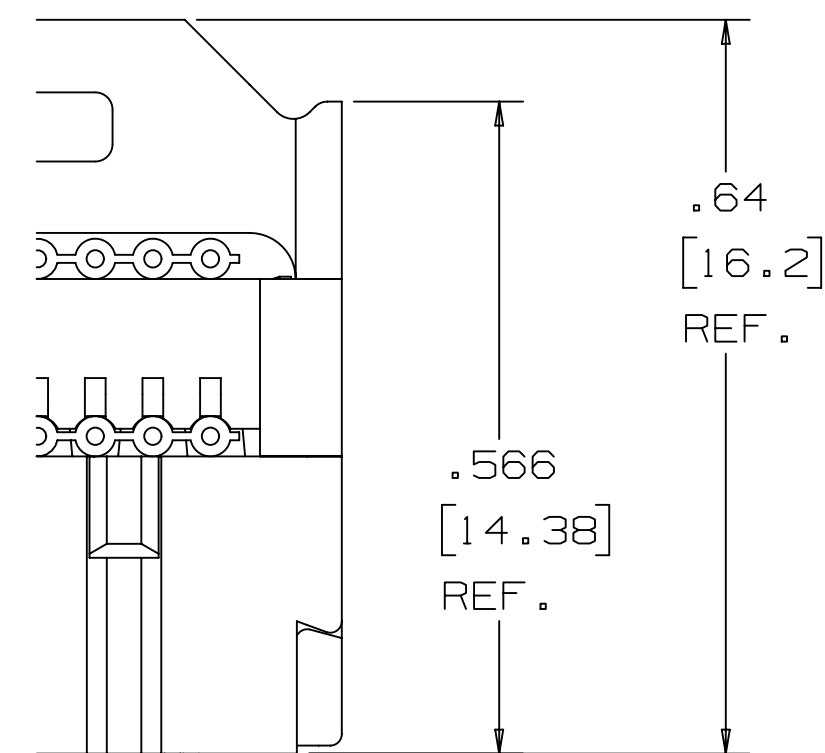
RECOMMENDED PIN PATTERN FOR STACKED CONFIGURATIONS



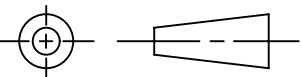
ASSEMBLED HEIGHT
WITH METAL PROFILE
STRAIN RELIEF



ASSEMBLED HEIGHT
WITHOUT STRAIN RELIEF



ASSEMBLED HEIGHT
WITH PLASTIC
STRAIN RELIEF

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 THIRD ANGLE PROJECTION		INCHES .0 ± .01 .00 ± .005 .0000 ± .0002		TITLE WIREMOUNT SOCKET, .100" X .100", .050" PITCH CABLE					
INTERPRET PER ASME Y14.5 - 2018 MAX. SURFACE ROUGHNESS ALL SURFACES ✓ MARKED ONLY		MILLIMETERS 0 ± .0 ± .00 ± .000 ±		CAGE NUMBER SIZE D DRAWING NO. 578-5100-0718-6		REV. G		MODEL 3000	
		ANGLES ±		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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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 ±					
MAX SURFACE ROUGHNESS		ALL SURFACES		CASE NUMBER		SIZE		DRAWING NO.	
		MARKED ONLY		D 78-5100-0718-6		REV. 6			
		ANGLES ±		MODEL 3000		DET. YES NO		SHT 4 OF 6	