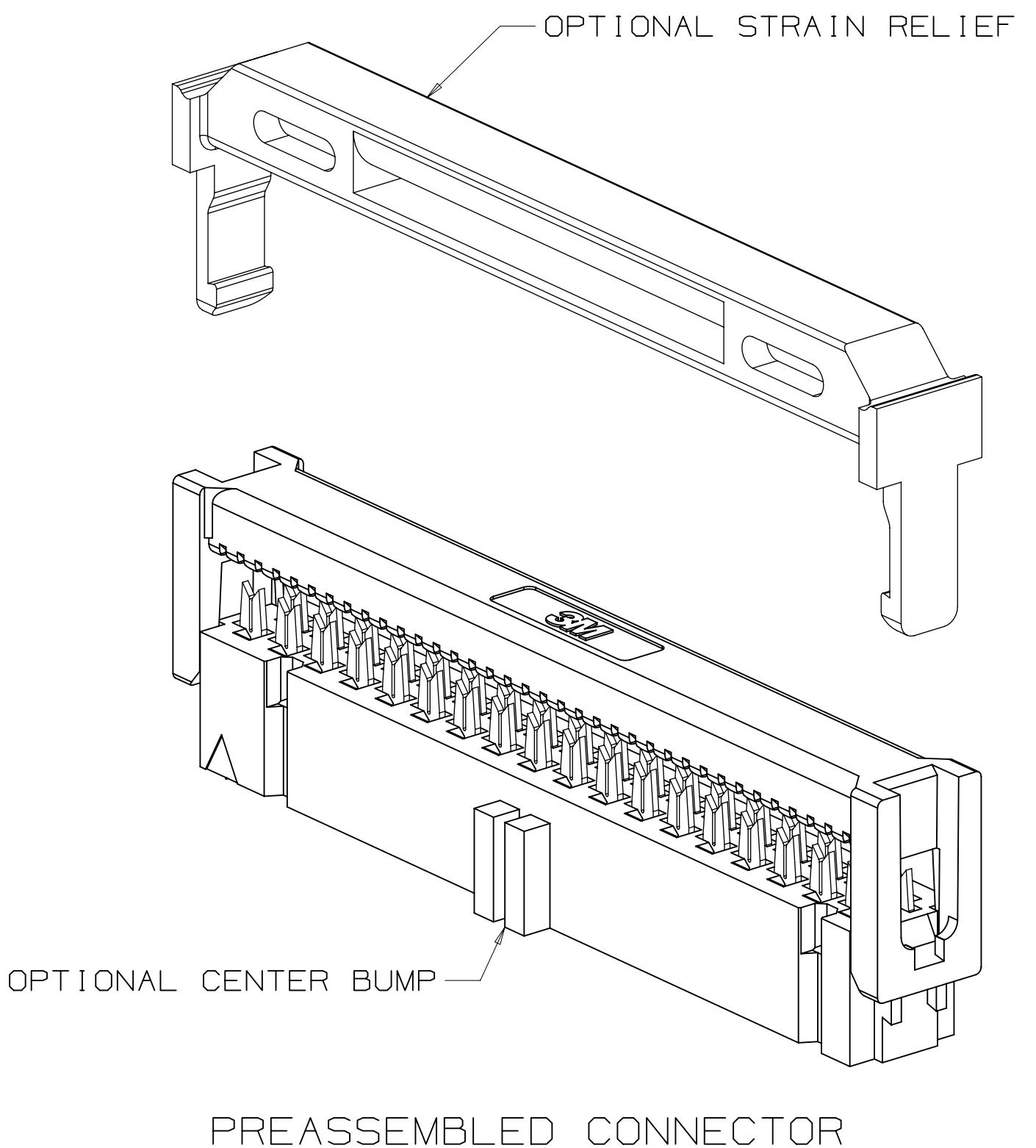


3M™ IDC RIBBON CABLE SOCKET, 891 SERIES

.100" X .100" FOR .050" PITCH CABLE



PREASSEMBLED CONNECTOR

- * PREASSEMBLED, PACKAGING ON SWORDS FOR EASY LOADING OF MANUAL AND SEMI-AUTOMATIC ASSEMBLY EQUIPMENT.
 - * "BUMPS" ARE DESIGNED TO PREVENT PREMATURE LATCH LOCKING DURING SHIPMENT.
 - * OPTIONAL DOUBLE-SIDED ADHESIVE PULL TAB FOR EASY UNPLUGGING.
 - * DOUBLE-RECESSED COVER FOR CABLE TERMINATION FROM EITHER SIDE VIRTUALLY ELIMINATING THE NEED FOR SINGLE-RECESSED COVER CONNECTORS.
 - * MILITARY POLARIZATION, WITH OR WITHOUT CENTER BUMP.

- ## * MILITARY POLARIZATION, WITH OR WITHOUT CENTER BUMP.

3 PHYSICAL:

INSULATION:
MATERIAL: GLASS FILLED POLYESTER (PBT)
FLAMMABILITY: UL94V-0
COLOR: GRAY
CONTACT:
MATERIAL: PHOSPHOR BRONZE
PLATING:
UNDER PLATING: $50\ \mu''$ [$1.27\ \mu\text{m}$] AVG. NICKEL-OVERALL
WIPPING AREA: $30\ \mu''$ [$0.76\ \mu\text{m}$] AVG. GOLD
ACCOMMODATION: 26 AND 28 AWG STRANDED
MARKINGS: 3M LOGO, ORIENTATION TRIANGLE

3 ELECTRICAL:

CURRENT RATING:

	1 LINE	6 ADJACENT LINES	ALL LINES
28 AWG	3.00	1.75	1.25
26 AWG	3.50	2.25	1.50

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

INSULATION RESISTANCE: $>1 \times 10^9 \Omega$ AT 500 V_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} AT SEA LEVEL

3 ENVIRONMENTAL:

EMP RATING: -55° C TO +105°

ORDERING INFORMATION SOCKETS

CONTACT QUA
(SEE TABLE)

POLARIZATION OPTIONS:—
0 = WITHOUT CENTER BUMP
1 = WITH CENTER BUMP

Y: [] STRAIN RELIEF:
1 = NO STRAIN RELIEF
3 = STRAIN RELIEF

— PACKAGING STYLE OPTIONS:
O = PREASSEMBLED

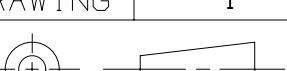
3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3M.com/interconnect>

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INFORMATION CALL 800-225-5373

**STRAIN RELIEF
(ORDER SEPARATELY)
3449-991XX**

PULL TABS
(ORDER SEPARATELY)
SEE TS-0406

The logo consists of the letters 'CRUS' in a bold, black, sans-serif font. The 'C' and 'R' are connected. A registered trademark symbol (®) is positioned above the 'U'. Below the main text, the words 'JUL FILE NO:' are followed by the number 'E68080'.

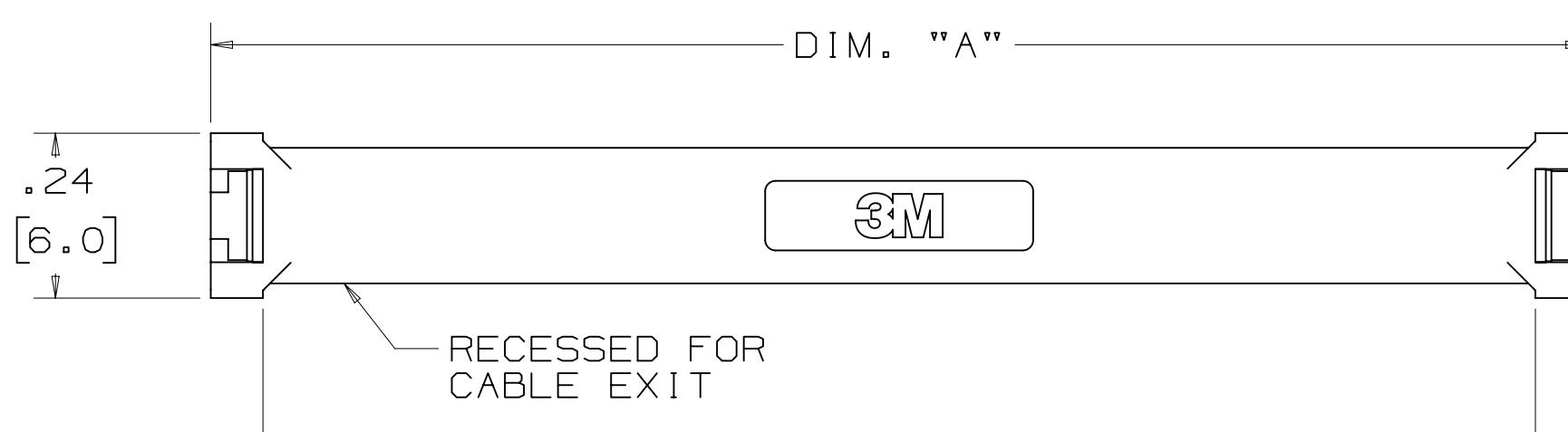
DESIGN REFERENCE				NEXT ASSEMBLY		M	96926	APR 27, 2021	JNC	FJR
				REV	ECO	ISSUE DATE AND DESCRIPTION			DRFT	CHKD
ACCESS CODES				DRFT CASTIGLION			DATE APR 27, 2021	MFG	DATE	
				CHKD			DATE	APPVL F. RODRIGUEZ	DATE APR 27, 2021	
DIVISION		DIVISION CODE EMSD		 3M Center St. Paul, MN 55144			© 3M COPYRIGHT 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.			
DO NOT SCALE DRAWING	SCALE <u>4</u> 1	TOLERANCES EXCEPT AS NOTED		INCHES	TITLE IDC RIBBON CABLE SKT, .100 X .100, CABLE PITCH .050, 891					
				.0 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0005						
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± .0 ± .00 ± .000 ±	CAGE NUMBER	SIZE D	DRAWING NO. 78-5100-0449-8			REV. M
MAX SURFACE ROUGHNESS		<input checked="" type="checkbox"/> ALL SURFACES			MODEL	DET.				OUT 4.25
		<input type="checkbox"/> MARKER ONLY								

3M™ IDC RIBBON CABLE SOCKET, 891 SERIES

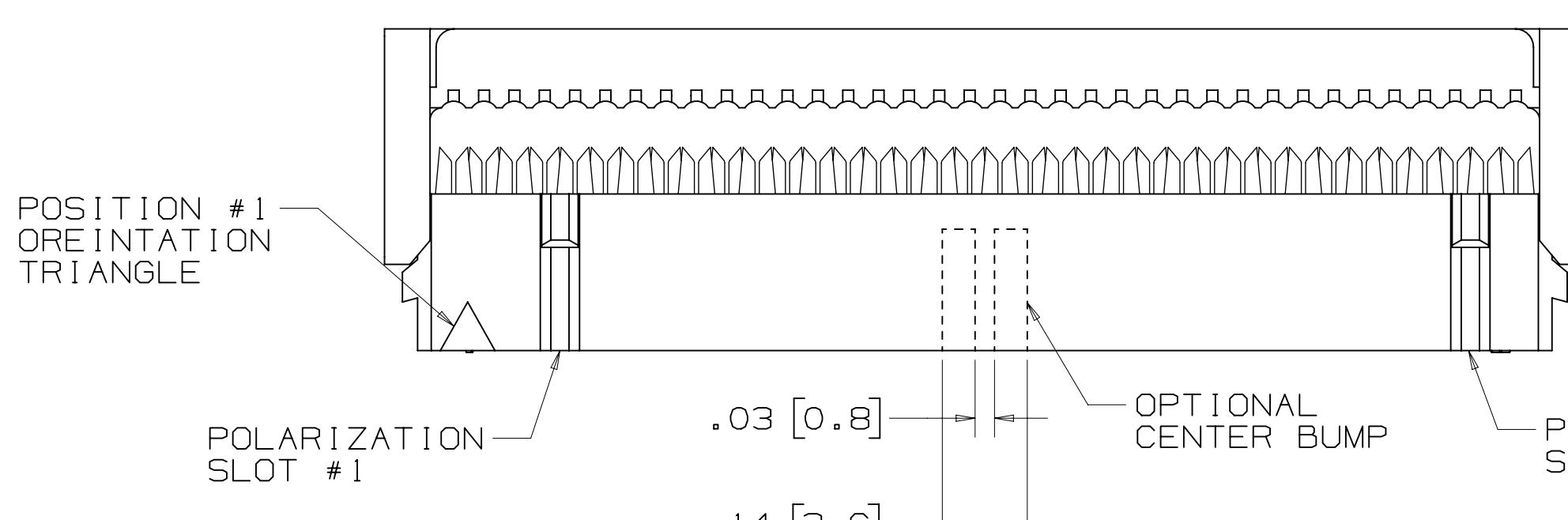
.100" X .100" FOR .050" PITCH CABLE



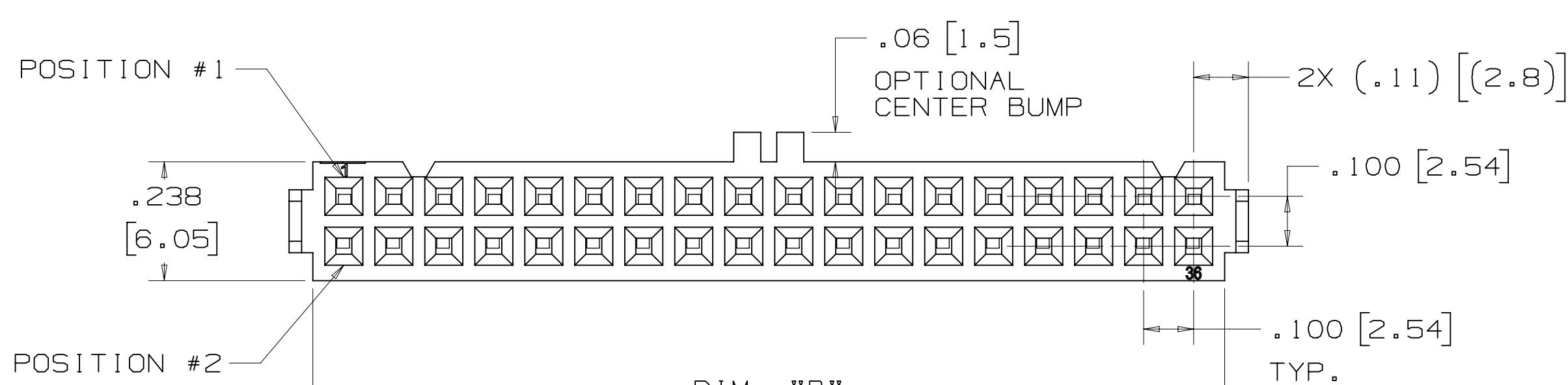
STRAIN RELIEF



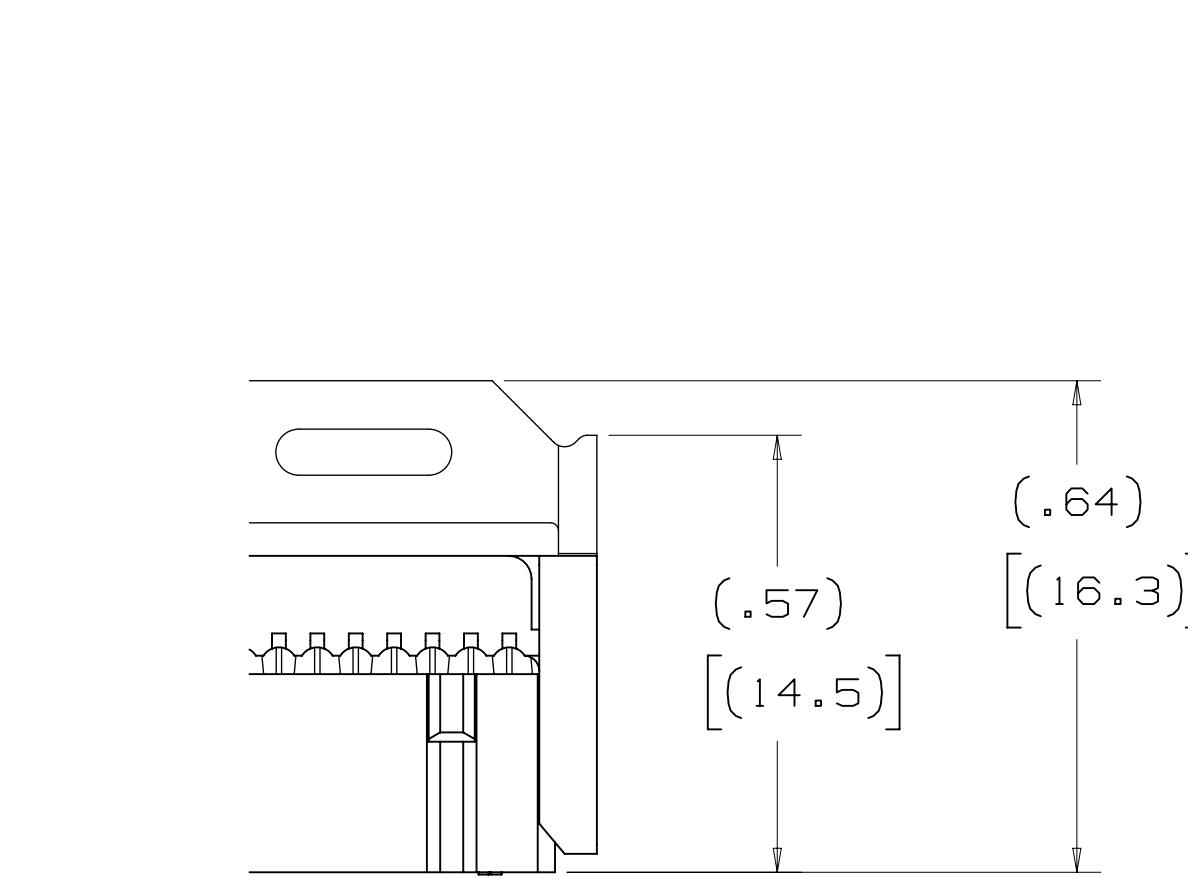
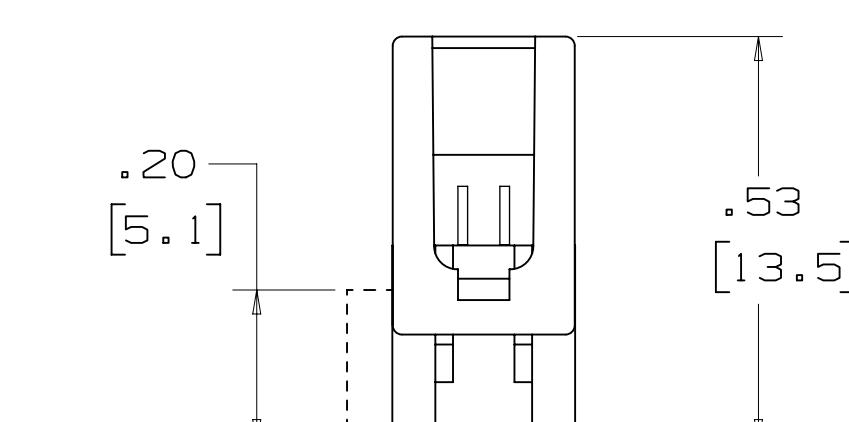
TOP VIEW OF COVER



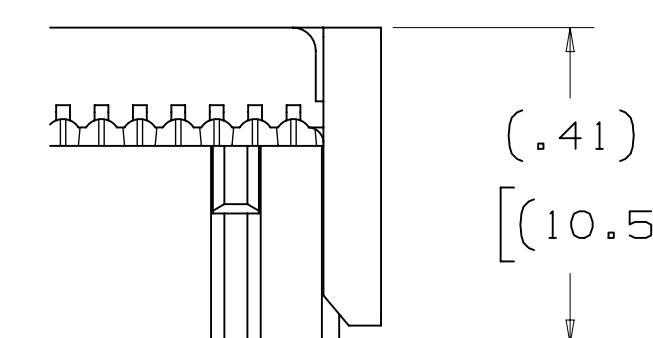
PREASSEMBLED VIEW



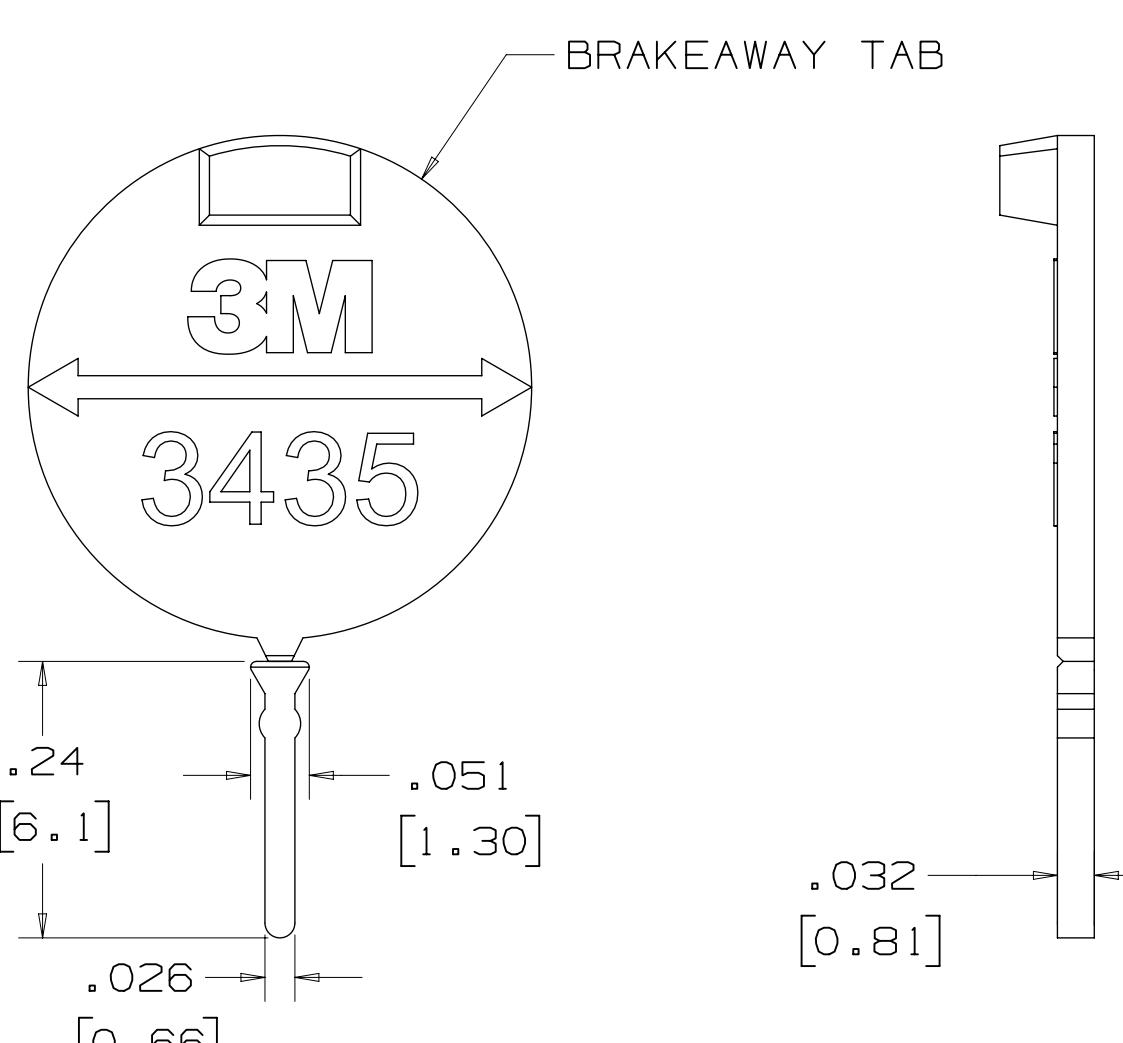
BOTTOM VIEW OF BODY



ASSEMBLED HEIGHT
WITH STANDARD
PLASTIC STRAIN RELIEF



ASSEMBLED HEIGHT
WITHOUT
STRAIN RELIEF



POLARIZING KEY

3435-0000

OPTIONAL: ORDER SEPARATELY
MATERIAL: GRAY POLYESTER, PBT

TABLE 1		
CONTACT QTY.	DIM. "A"	DIM. "B"
08	.058 [14.7]	.042 [10.7]
10	.068 [17.3]	.052 [13.2]
14	.088 [22.4]	.072 [18.3]
16	.098 [24.9]	.082 [20.8]
20	.118 [30.0]	.102 [25.9]
24	.138 [35.1]	.122 [31.0]
26	.148 [37.6]	.132 [33.5]
30	.168 [42.7]	.152 [38.6]
34	.188 [47.8]	.172 [43.7]
36	.198 [50.3]	.182 [46.2]
40	.218 [55.4]	.202 [51.3]
44	.238 [60.5]	.222 [56.4]
50	.268 [68.1]	.252 [64.0]
60	.318 [80.8]	.302 [76.7]

DESIGN REFERENCE	NEXT ASSEMBLY
ACCESS CODES	REV. ECO DATE APR 27, 2021 MFG DATE
CASTIGLION	DATE APR 27, 2021 APPROVED F. RODRIGUEZ DATE APR 27, 2021
CHKO	DATE
3M Center St. Paul, MN 55144	
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TITLE: IDC RIBBON CABLE SKT	
• 100 X 100, CABLE	
PITCH .050, 891	
REVISION	DRAWING NO. D 78-5100-0449-8
ECO	REV. M
DATE	APR 27, 2021
APPROVED	APR 27, 2021
CHKO	DATE
3M	
Imaged: Central Standard Time 5/18/2021 -- UTC offset (hrs) 6	

3M™ IDC RIBBON CABLE SOCKET, 891 SERIES

.100" X .100" FOR .050" PITCH CABLE

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

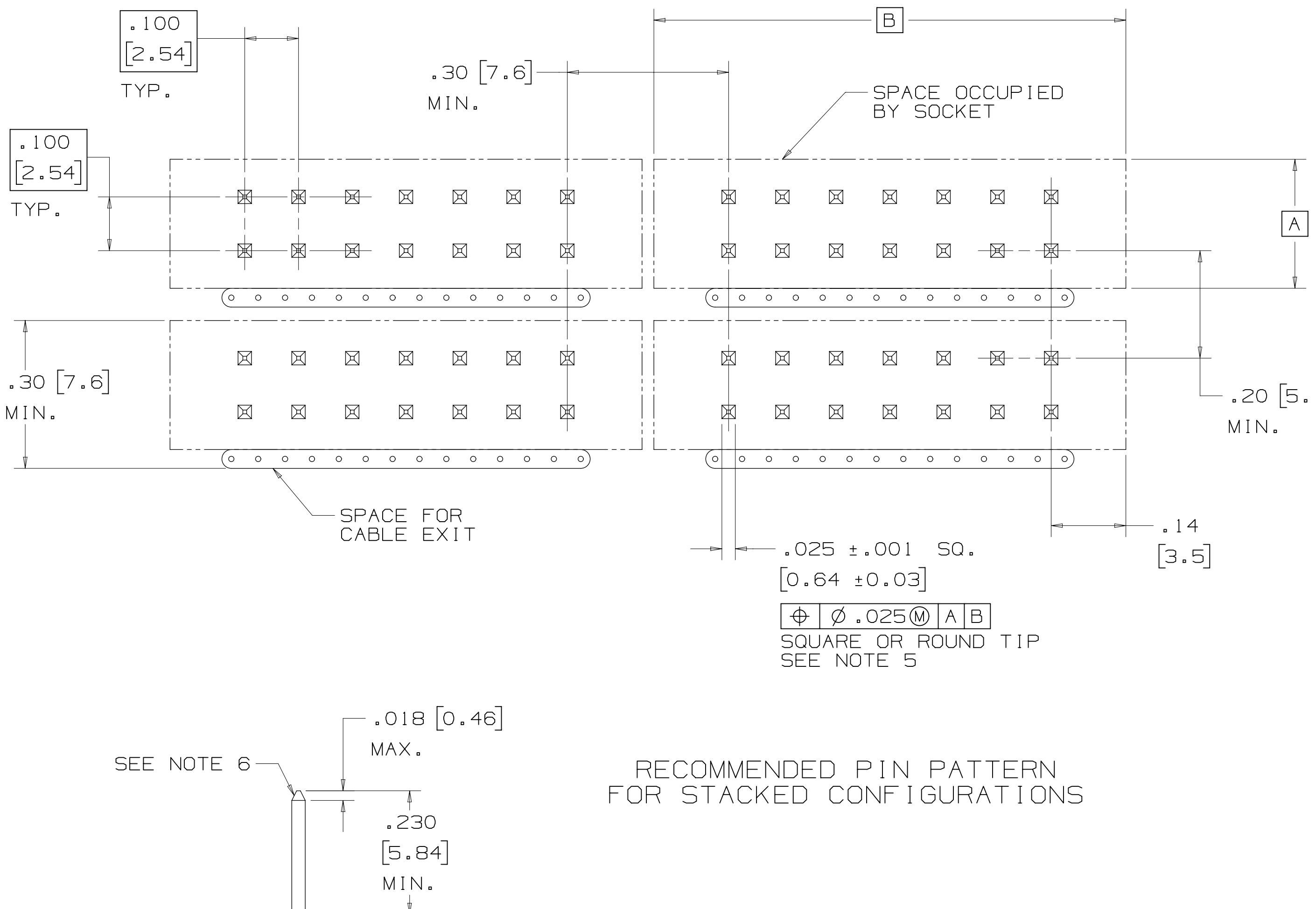
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DESIGN REFERENCE		NEXT ASSEMBLY	
ACCESS CODES		REV. ECO	ISSUE DATE AND DESCRIPTION DRFT CHKD
CASTIGLION		DATE APR 27, 2021	MFG DATE
CHKD		DATE APR 27, 2021	APPRV F. RODRIGUEZ DATE APR 27, 2021
DIVISION	EMSD	TOLERANCES EXCEPT AS NOTED	
DO NOT SCALE DRAWING	SCALE 1	INCHES	
		.0 ± .1	
		.000 ± .01	
		.000 ± .005	
		.0000 ± .0005	
THIRD ANGLE PROJECTION		MILLIMETERS	
INTERPRET PER ASME Y14.5 - 2018		0 ±	
MAX SURFACE ROUGHNESS		.0	
LIA SURFACES		.00 ± .000	
MARKED ONLY		.000 ± .000	
ANGLE S			
CAGE NUMBER	SIZE DRAWING NO.		
MODEL 891XXX	D 78-5100-0449-8 M	REV. M	DET. LISTS □ YES □ NO SHT 3 OF 3