

3M™ MOLDED ASSEMBLY, 1M SERIES
 .100" X .100" FOR .050" PITCH CABLE, CABLE ASSEMBLY CONNECTOR

3M™ MOLDED SOCKET CONNECTOR
 871 SERIES

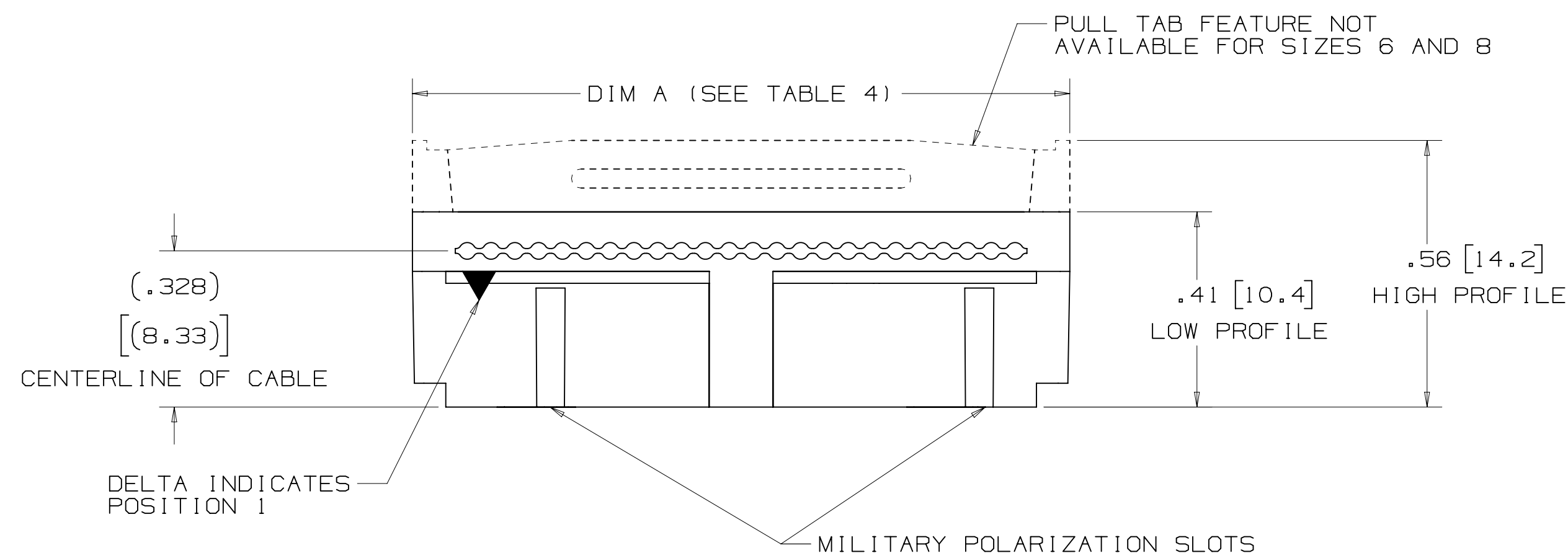
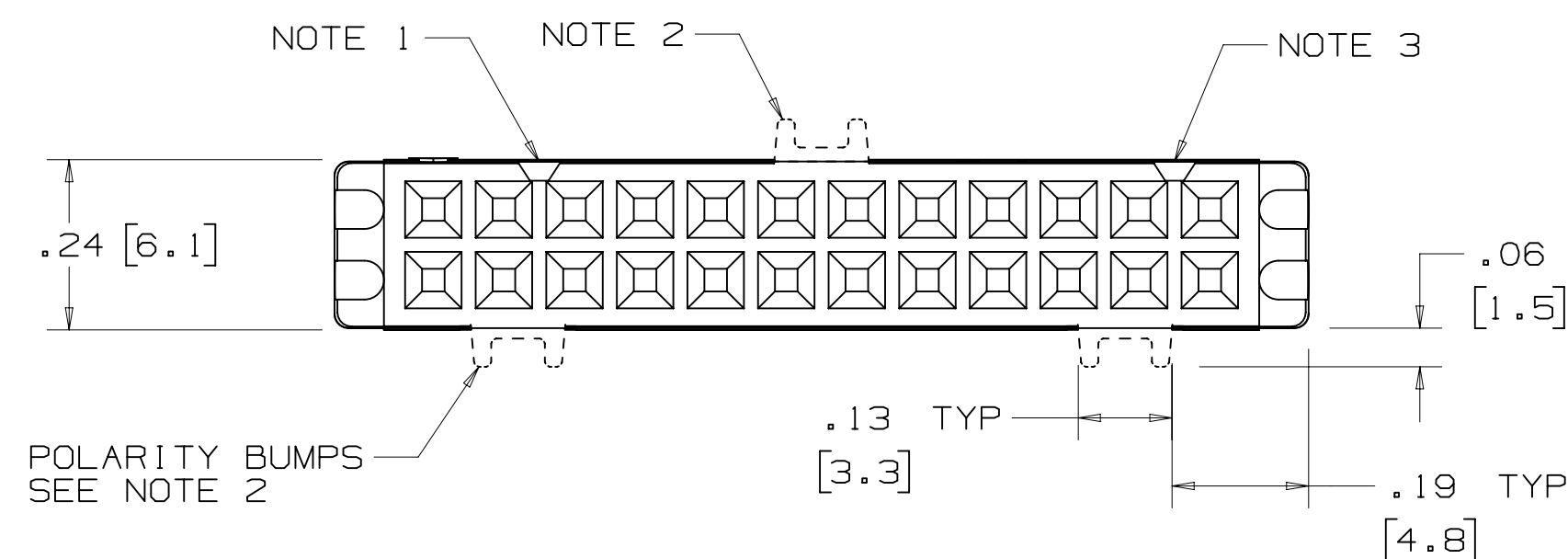
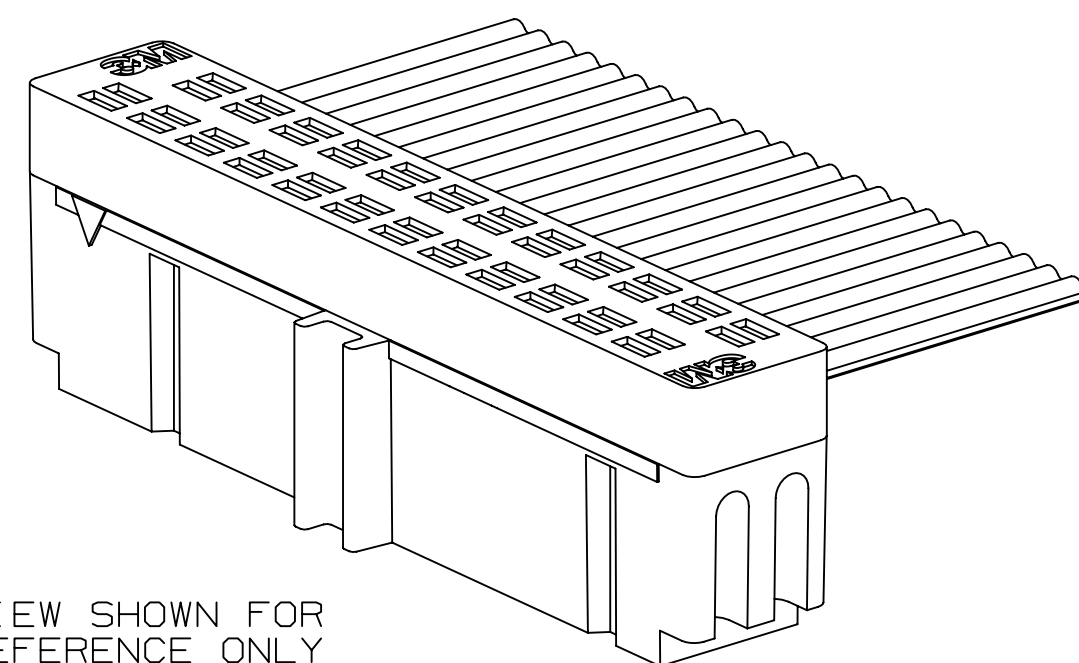


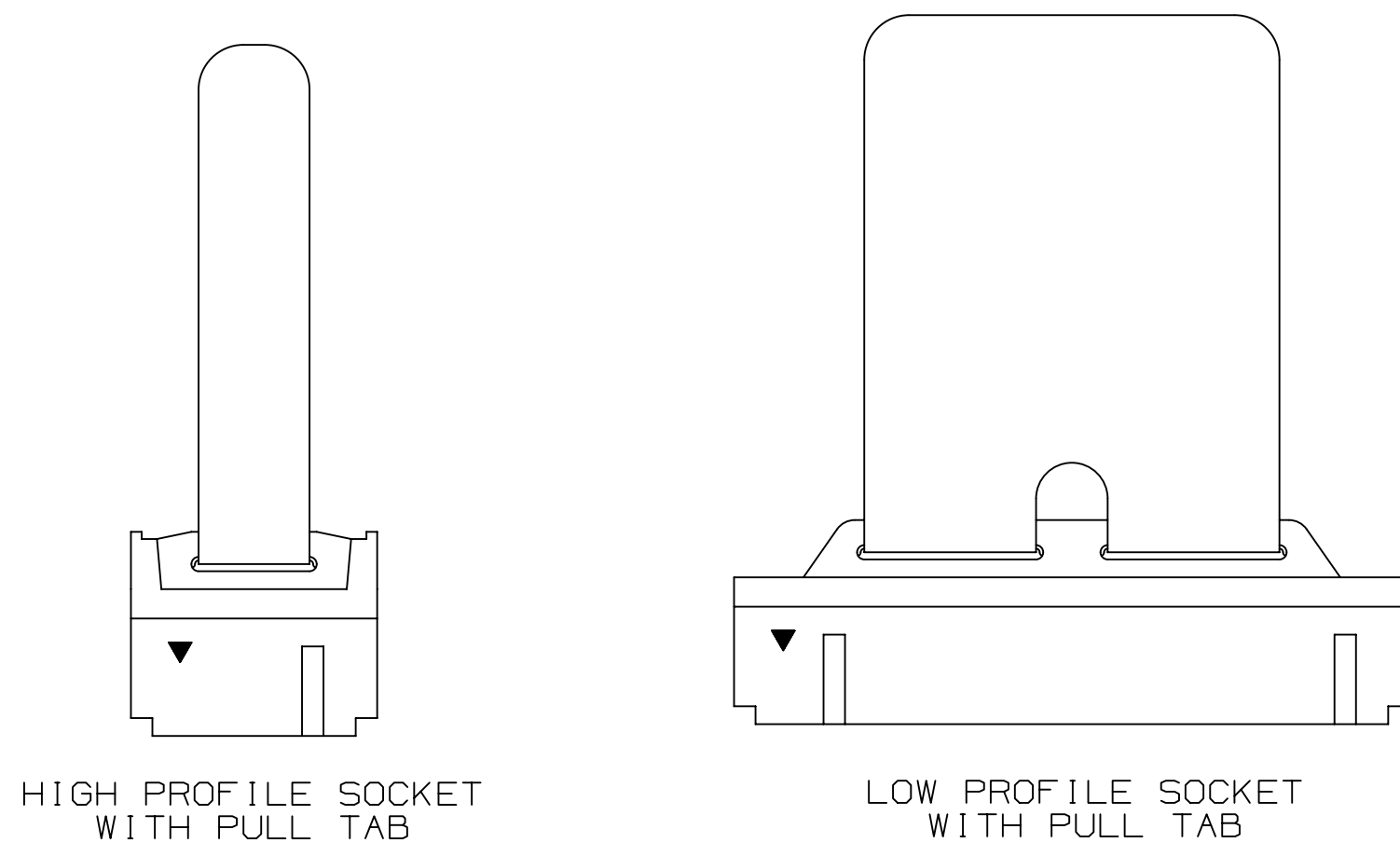
TABLE 4	
CONTACT QTY	DIM A
6	.48 [12.2]
8	.58 [14.7]
10	.68 [17.3]
12	.78 [19.8]
14	.88 [22.4]
16	.98 [24.9]
20	1.10 [30.3]
24	1.38 [35.1]
26	1.48 [37.6]
30	1.68 [42.7]
34	1.88 [47.8]
36	1.98 [50.3]
40	2.18 [55.4]
50	2.68 [68.1]
60	3.18 [80.8]
64	3.38 [85.9]



- NOTES:
 1. THIS POLARIZATION SLOT IS NONEXISTENT ON SIZES 6, 8, 10, 12 AND 14.
 2. OPTIONAL CENTERBUMP POLARITY FEATURE.
 3. THIS POLARIZATION SLOT IS NONEXISTENT ON SIZES 6 AND 8.



PULL TAB FEATURES VARY WITH CONNECTOR SIZE



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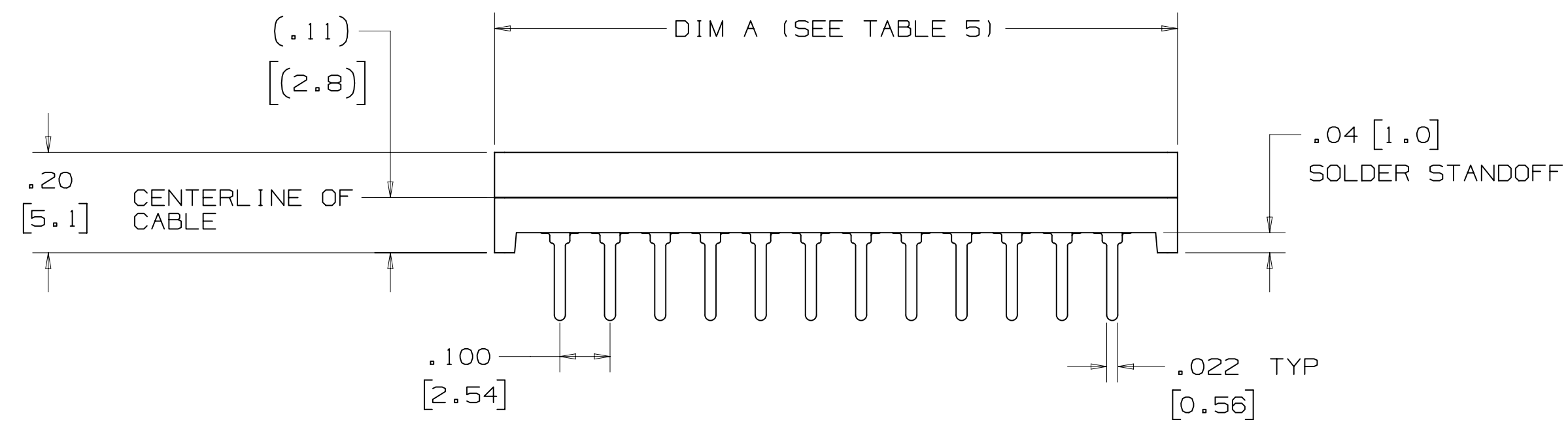
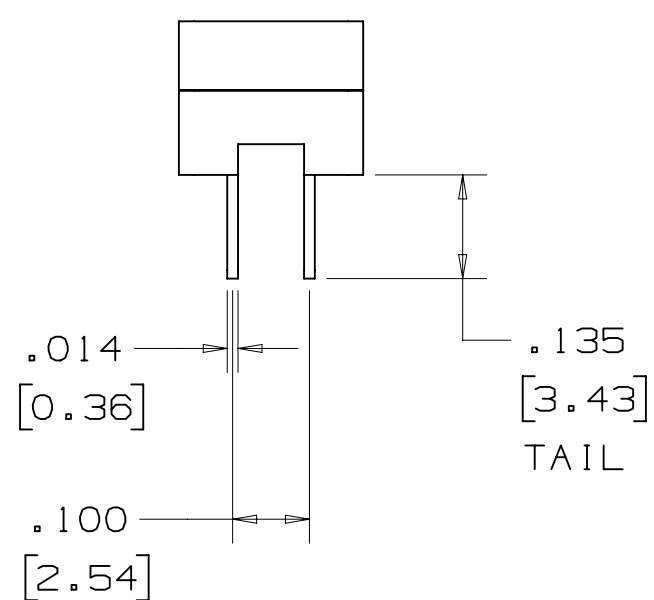
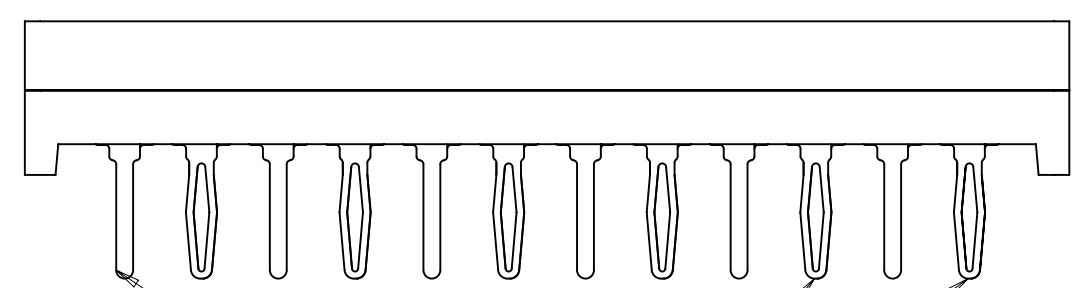
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 INFORMATION CALL 800-225-5373

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
				MAY 27, 2022 WORK REQUEST 13229 INITIAL RELEASE	LDS	JG
APPROVED	DATE	DATE	DATE	DATE	DATE	DATE
DRP L SCHMIDT	MAR 04, 2022	MFG				
CHKD J GOERTZ	APR 29, 2022	APPL				
DIVISION	DIVISION CODE	© 3M COPYRIGHT 2022 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 1/1	TOLERANCES EXCEPT AS NOTED INCHES: .0 ± .01 .00 ± .005 .0000 ± .0002 MILLIMETERS: 0 ± .05 .00 ± .005 .000 ± .0005 ANGLE ± 1°				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	TITLE MOLDED CABLE ASSY .100 WITH SOCKET AND PCB CONNECTORS				
MAX SURFACE ROUGHNESS 125	ALL SURFACES MARKED ONLY	CAGE NUMBER	SIZE	DRAWING NO.	REV.	
		D		78-5100-2754-9	A	
		MODEL	DET	ISTS	YES	NO
					SHT	3 OF 5

78-5100-2754-9
 DRAWING NUMBER
 A REVISION
 6
 Drf-set (hrs)
 6
 UTC
 5/27/2022
 Time

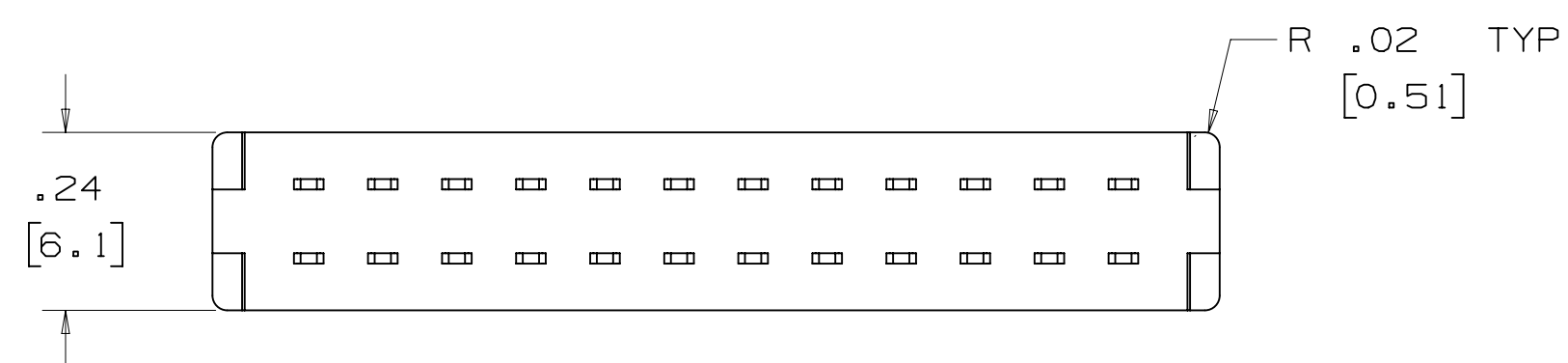
3M™ MOLDED ASSEMBLY, 1M SERIES
 .100" X .100" FOR .050" PITCH CABLE, CABLE ASSEMBLY CONNECTOR

3M™ MOLDED 2-ROW PCB CONNECTOR
 878 SERIES

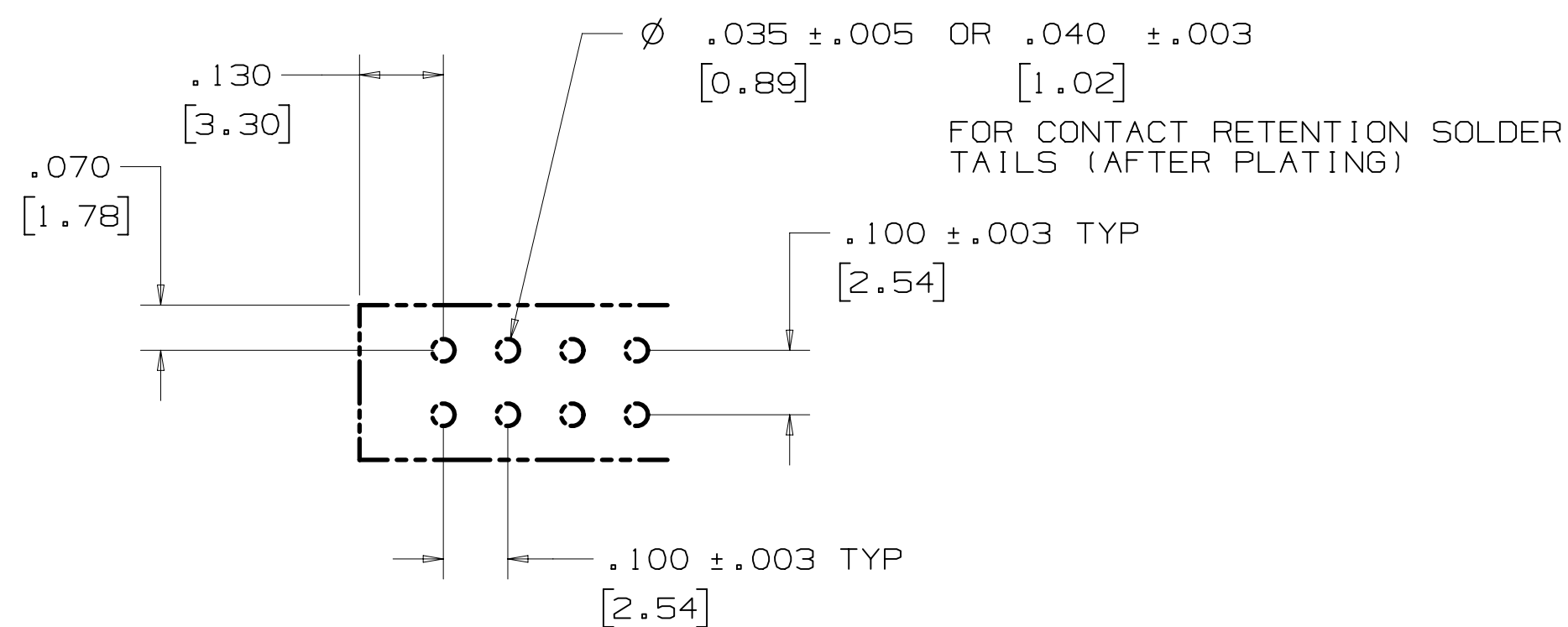


RETENTION CONTACTS ORIENTED AS SHOWN EVERY OTHER CONTACT WITH THE FIRST AND SECOND ROW ORDER SHIFTED BY ONE CONTACT. (ORIENTATION NOT BASED ON DELTA LOCATION AND MAY VARY FROM CONNECTOR TO CONNECTOR)

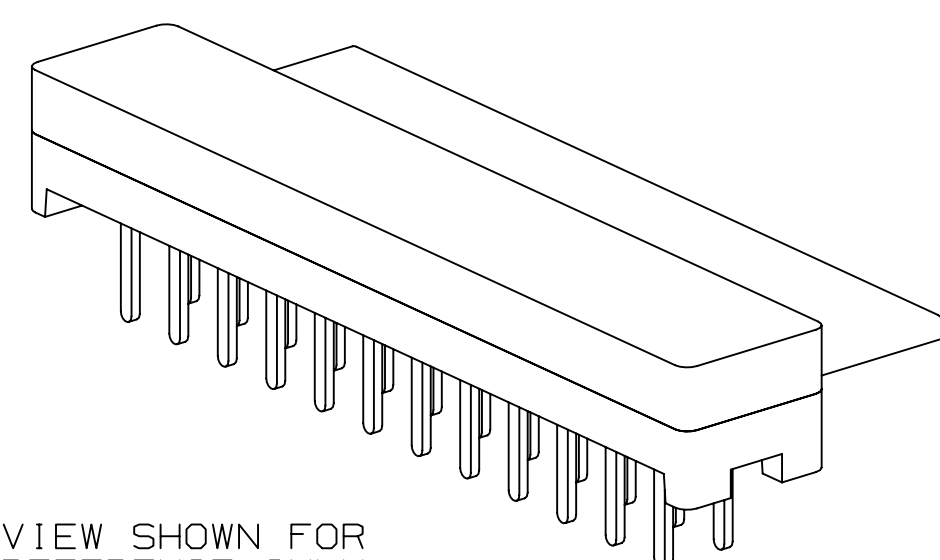
TABLE 5	
CONTACT QTY	DIM A
06	.46 [11.7]
08	.56 [14.2]
10	.66 [16.8]
14	.86 [21.8]
16	.96 [24.4]
20	1.16 [29.5]
24	1.36 [34.5]
26	1.46 [37.1]
30	1.66 [42.1]
34	1.86 [47.2]
36	1.96 [49.8]
40	2.16 [54.9]
44	2.36 [59.9]
50	2.66 [67.6]
60	3.16 [80.3]
64	3.36 [85.3]



OR .040 ±.003 [1.02]



RECOMMENDED MOUNTING HOLE PATTERN
 (SHOWN FROM MOUNTING SIDE OF BOARD)



VIEW SHOWN FOR REFERENCE ONLY

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THIRD ANGLE PROJECTION		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002		TITLE MOLDED CABLE ASSY .100 WITH SOCKET AND PCB CONNECTORS		
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ±		CAGE NUMBER D78-5100-2754-9		
MAX SURFACE ROUGHNESS 125		.0 ± .00 ± .000 ±		DRAWING NO. 78-5100-2754-9		
<input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY		ANGLES ±1°		REV. A		
				MODEL DET. [] SHT 4 OF 5		

REVISION
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 Drf-set (hrs) 6

3M™ MOLDED ASSEMBLY, 1M SERIES
 .100" X .100" FOR .050" PITCH CABLE, CABLE ASSEMBLY CONNECTOR

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J GOERTZ	APR 29, 2022			<table border="1"> <tr> <td>DO NOT SCALE DRAWING</td> <td>SCALE 1/1</td> <td>TOLERANCES EXCEPT AS NOTED</td> </tr> <tr> <td></td> <td></td> <td>INCHES</td> </tr> <tr> <td></td> <td></td> <td>.0 ± .1</td> </tr> <tr> <td></td> <td></td> <td>.00 ± .01</td> </tr> <tr> <td></td> <td></td> <td>.000 ± .005</td> </tr> <tr> <td></td> <td></td> <td>.0000 ± .0002</td> </tr> <tr> <td>THIRD ANGLE PROJECTION</td> <td></td> <td>MILLIMETERS</td> </tr> <tr> <td></td> <td></td> <td>0 ±</td> </tr> <tr> <td>INTERPRET PER ASME Y14.5 - 2018</td> <td></td> <td>.0 ±</td> </tr> <tr> <td></td> <td></td> <td>.00 ±</td> </tr> <tr> <td>MAX SURFACE ROUGHNESS</td> <td></td> <td>.000 ±</td> </tr> <tr> <td>125</td> <td><input type="checkbox"/> ALL SURFACES</td> <td></td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> MARKED ONLY</td> <td></td> </tr> <tr> <td></td> <td></td> <td>ANGLES ±1°</td> </tr> </table>						DO NOT SCALE DRAWING	SCALE 1/1	TOLERANCES EXCEPT AS NOTED			INCHES			.0 ± .1			.00 ± .01			.000 ± .005			.0000 ± .0002	THIRD ANGLE PROJECTION		MILLIMETERS			0 ±	INTERPRET PER ASME Y14.5 - 2018		.0 ±			.00 ±	MAX SURFACE ROUGHNESS		.000 ±	125	<input type="checkbox"/> ALL SURFACES			<input checked="" type="checkbox"/> MARKED ONLY				ANGLES ±1°
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