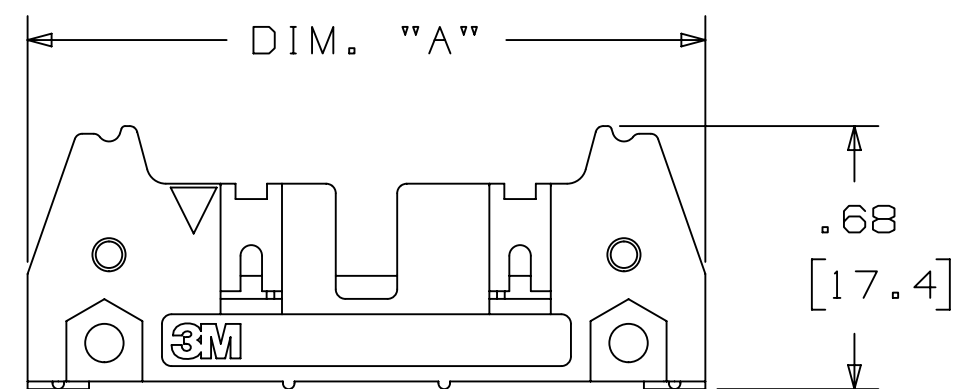
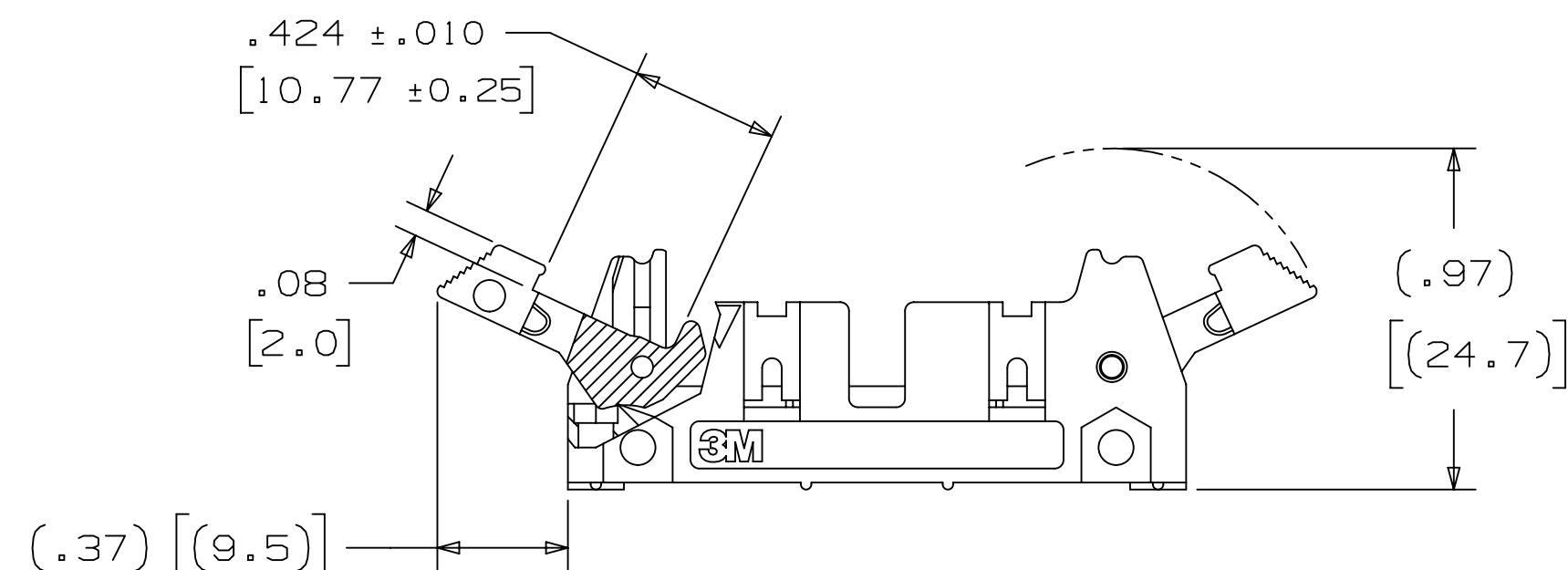


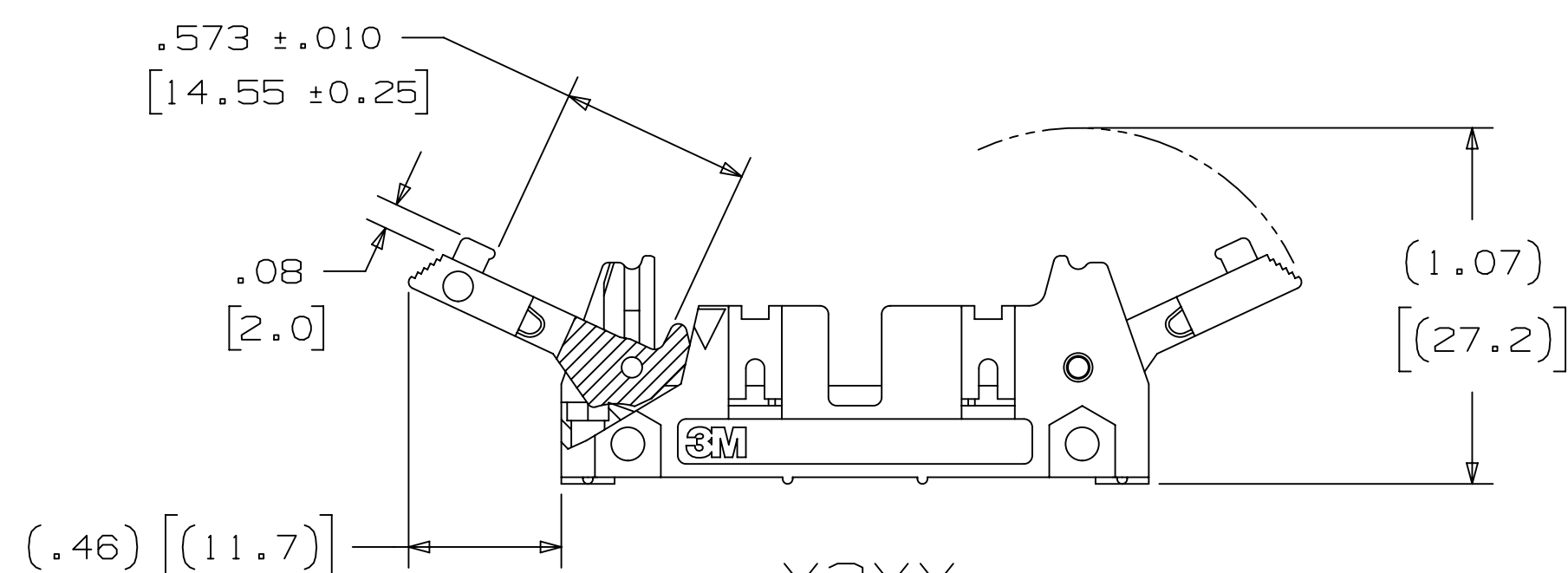
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-X0XX
HEADER WITHOUT LATCH EJECTOR



-X2XX
HEADER WITH SHORT LATCH EJECTOR
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



-X3XX
HEADER WITH LONG LATCH EJECTOR
FOR 3M SOCKETS WITH STRAIN RELIEF

X3XXX - XXXXXX

N= HIGH TEMP BLACK (PCT)/(RB PLATING REQ'D)

3M PART NUMBER: -
(SEE TABLE 1)

PIN CONFIGURATION: _____
1 = RIGHT ANGLE SOLDER TAILS
2 = STRAIGHT SOLDER TAILS

- PLATING:
RB = 200 μ " [5.08 μ m] MATTE TIN TAILS

```

- TAIL:
02 = FOR .062 [ 1.57 ] THICK BOARD
03 = FOR .094 TO .125 [ 2.39 TO 3.18 ] THICK BOARD

```

```
- LATCH/EJECTOR SYSTEM:
0 = NO LATCH/EJECTOR INSTALLED
2 = SHORT ROLL PIN LATCH/EJECTORS
3 = LONG ROLL PIN LATCH/EJECTORS
```

- * MILITARY (WITH 3M'S N3518 POLARIZING KEY) AND CENTERBUMP POLARIZATION.
- * LOW PROFILE.
- * OPTIONAL EJECTOR LATCHES.
- * MOUNTING HOLES FOR SECURING HEADER TO BOARD.
- * THREE WALL SHROUD PROVIDES DESIGN FLEXIBILITY.
- * STRAIGHT, RIGHT ANGLE.
- * SOLDER TAIL OPTIONS.
- * OPTIONAL POLARIZING POSTS AVAILABLE.
- * HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- * SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.

2 PHYSICAL :

INSULATOR: MATERIAL: HIGH TEMP GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
COLOR: BLACK
CONTACT: MATERIAL: COPPER ALLOY
PLATING:
UNDER PLATING: 50μ"-150μ" [1.27μm-3.81μm] NICKEL-OVERALL
WIPING AREA: 30μ" [0.76μm] AVG. GOLD
SOLDER TAILS: (SEE ORDERING INFORMATION)
MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND
ORIENTATION TRIANGLE

2 ELECTRICAL :

CURRENT RATING: 5.00A, 1 CONTACT POWERED
3.00A, 6 CONTACTS POWERED
1.75A, ALL CONTACTS POWERED
RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM
TEMPERATURE RISE, 20% DERATED. REFERENCE APPROPRIATE
3M PRODUCT SPECIFICATION FOR DETAILED CURRENT DERATING
CURVES.

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

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO 105°C
PROCESS RATING: 260°C, PER J-STD-020C, SINGLE PASS
MOISTURE SENSITIVITY LEVEL: 1 (PER J-STD-020C SINGLE PASS)

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

DESIGN REFERENCE		NEXT ASSEMBLY	
ACCESS CODES			
DIVISION Interconnect Solutions		DIVISION CODE EMSD	
DO NOT SCALE DRAWING		TOLERANCE EXCEPT AS NOTED	
		INCHES	
THIRD ANGLE PROJECTION		.00 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0003	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETER	
MAX. SURFACE ROUGHNESS ☐ ALL SURFACES ☒ MARKED ONLY		.0 .00 ± .000 ±	
		ANGLES ±	

L	115955	MAY 08, 2024 REMOVE 05 WWT TAILS	JNC	FJR
K	97909	JUN 22, 2021 REVISED ORDERING INFO	JNC	SAN
J	93619	JAN 07, 2021 REMOVE TIN LEAD PLATE AND KINK TAILS	JNC	SAN
H	60056	MAR 06, 2015 REVISE ORDERING NUMBER	JNC	RS
G	56068	AUG 05, 2014 REVISED AND REDRAWN	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CAS TIGLIONE	DATE AUG 05, 2014	MFG	DATE
CHKD		DATE	APPR. R. SCHERER	DATE SEP 05, 2014
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TITLE				
HEADER , 3-WALL , .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
MODEL	340	D78-5100-0771-5	L	
		DET.	SHT 1 OF 5	

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US
UL FILE NO: E68080

3M™ THREE-WALL HEADER, 3000 SERIES

.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

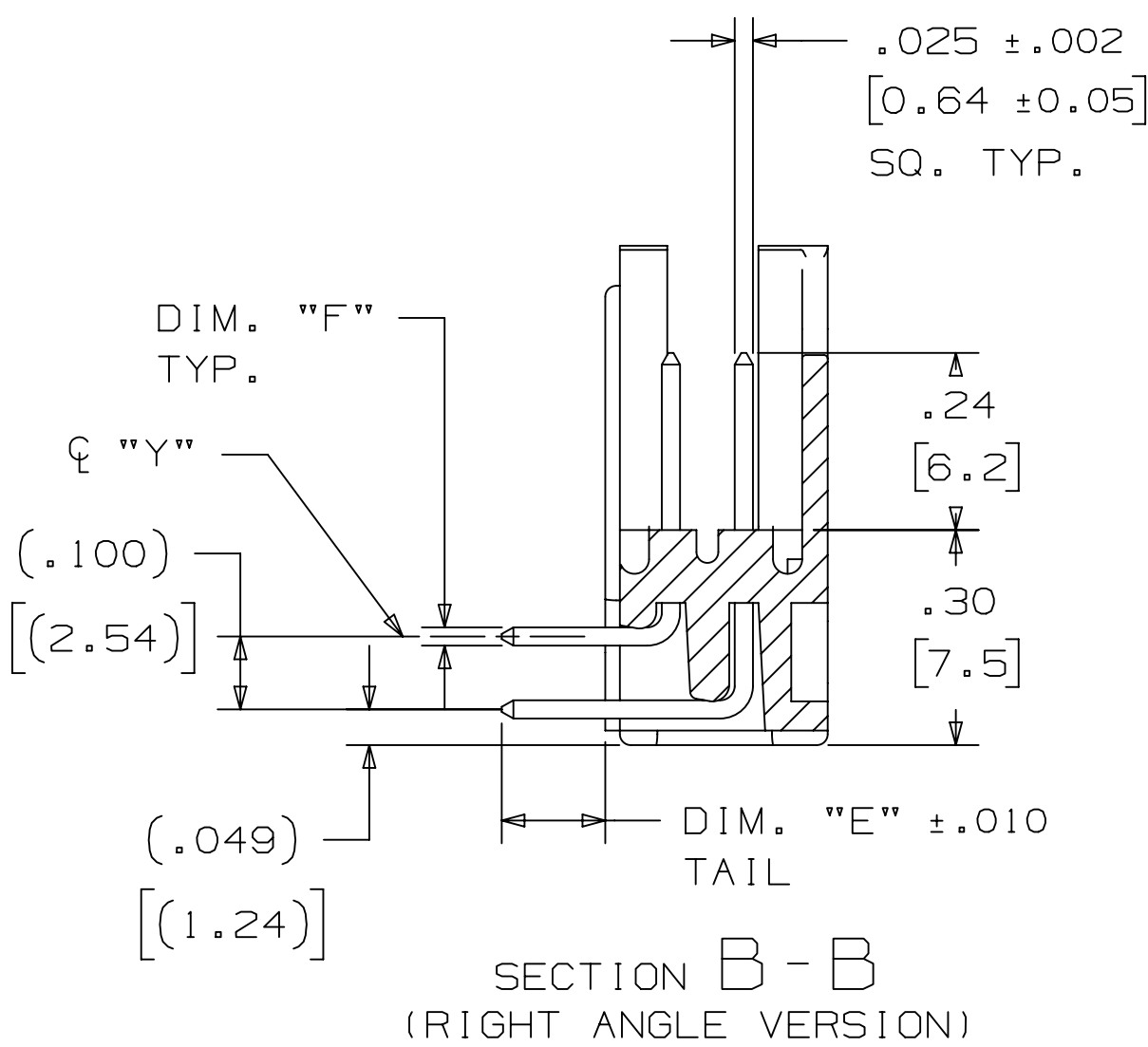
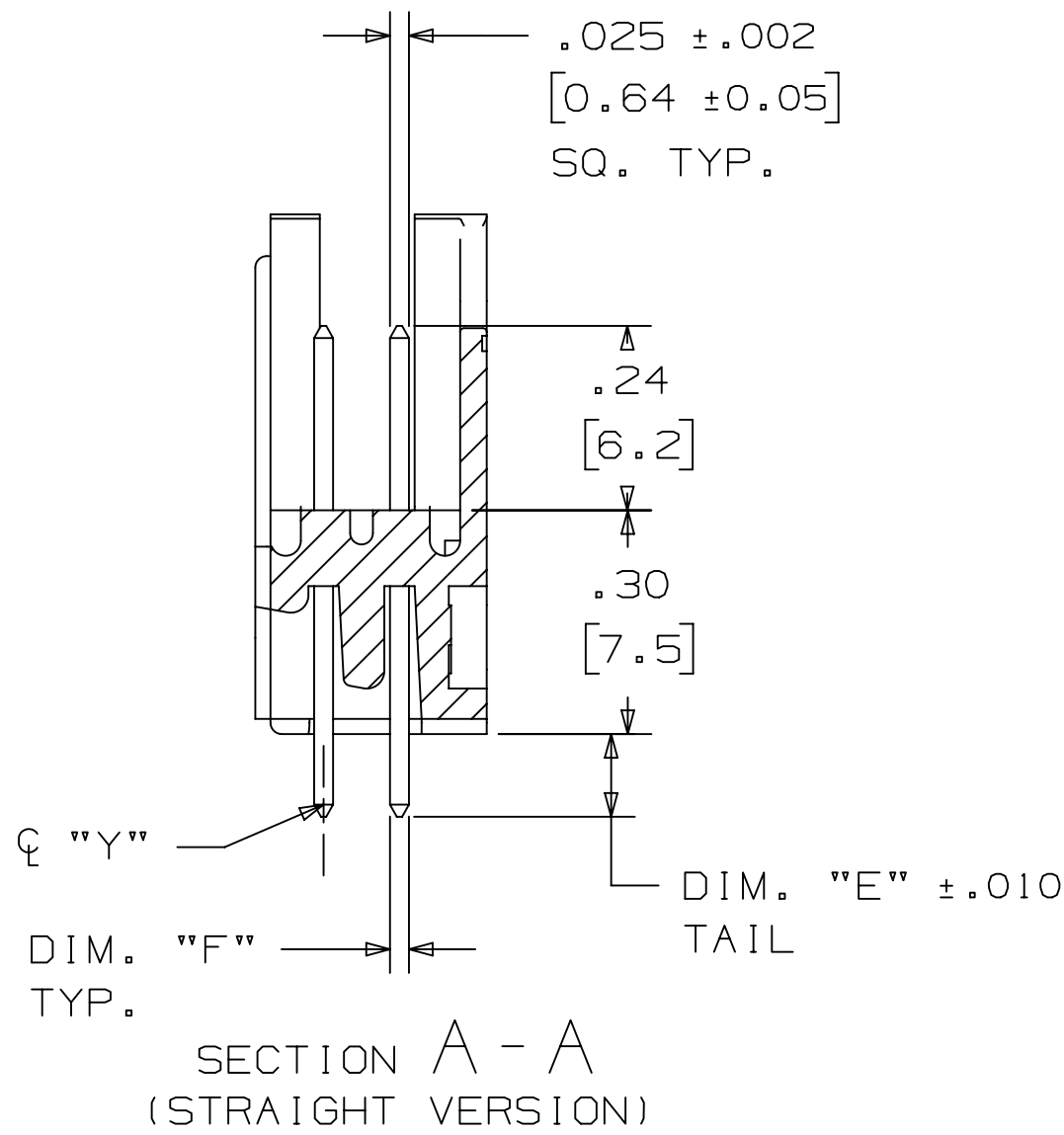
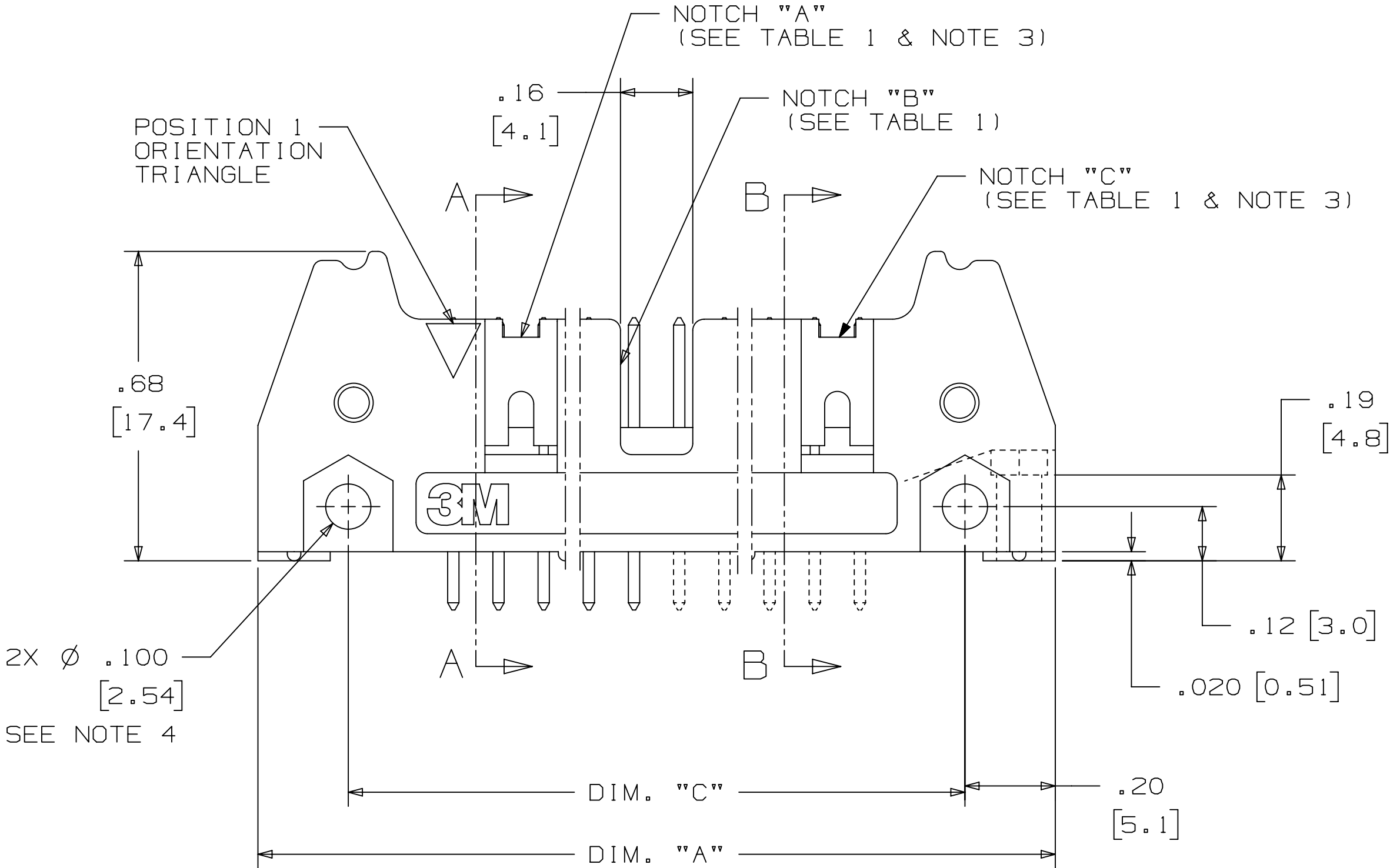
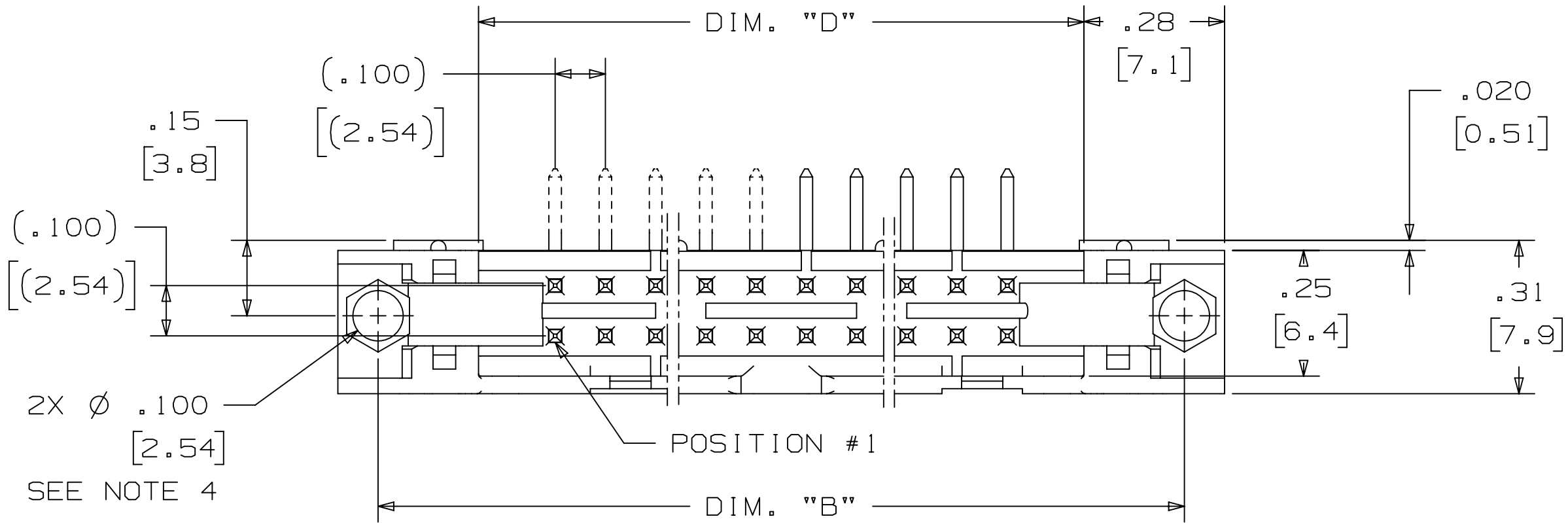


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20	3428	1.76 [44.8]	1.604 [40.74]	1.365 [34.67]	1.21 [30.7]	ABC	20
26	3429	2.06 [52.4]	1.905 [48.36]	1.665 [42.29]	1.51 [38.3]	ABC	26
34	3431	2.46 [62.6]	2.305 [58.52]	2.065 [52.45]	1.91 [48.5]	ABC	34
40	3432	2.76 [70.2]	2.605 [66.14]	2.365 [60.07]	2.21 [56.1]	ABC	40
50	3433	3.26 [82.9]	3.105 [78.84]	2.865 [72.77]	2.71 [68.8]	ABC	50
60	3372	3.76 [95.6]	3.605 [91.54]	3.365 [85.47]	3.21 [81.5]	ABC	60
64	3764	3.96 [100.7]	3.805 [96.62]	3.565 [90.55]	3.41 [86.6]	ABC	64

TABLE 2						
3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"	PIN CROSS SECTION			DIM. "G"
-1XX2	.062 [1.57] THICK PC BOARD	.112 [2.84]	DIM. "F" .0245+/- .0005 [.622]	DIAGONALS .028+/- .001 [.71]	CORNER RADIUS .0075 REF. [.191]	.035+/- .003 [.89] SEE NOTE 5
-2XX2						
-1X03	.094 [2.39] TO .125 [3.18] THICK PC BOARD	.155 [3.94]	.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 REF. [.191]	.035+/- .003 [.89]
-2X03						



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DRG CODES		DRG CODES	
DIVISION Interconnect Solutions		DIVISION CODE EMSD	
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES 0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± .0 ± .00 ± .000 ±	
MAX. SURFACE ROUGHNESS ALL SURFACES ✓ MARKED ONLY		CAGE NUMBER D78-5100-0771-5	
		MODEL 3400	
		REV. L	
		SHT 2 OF 5	

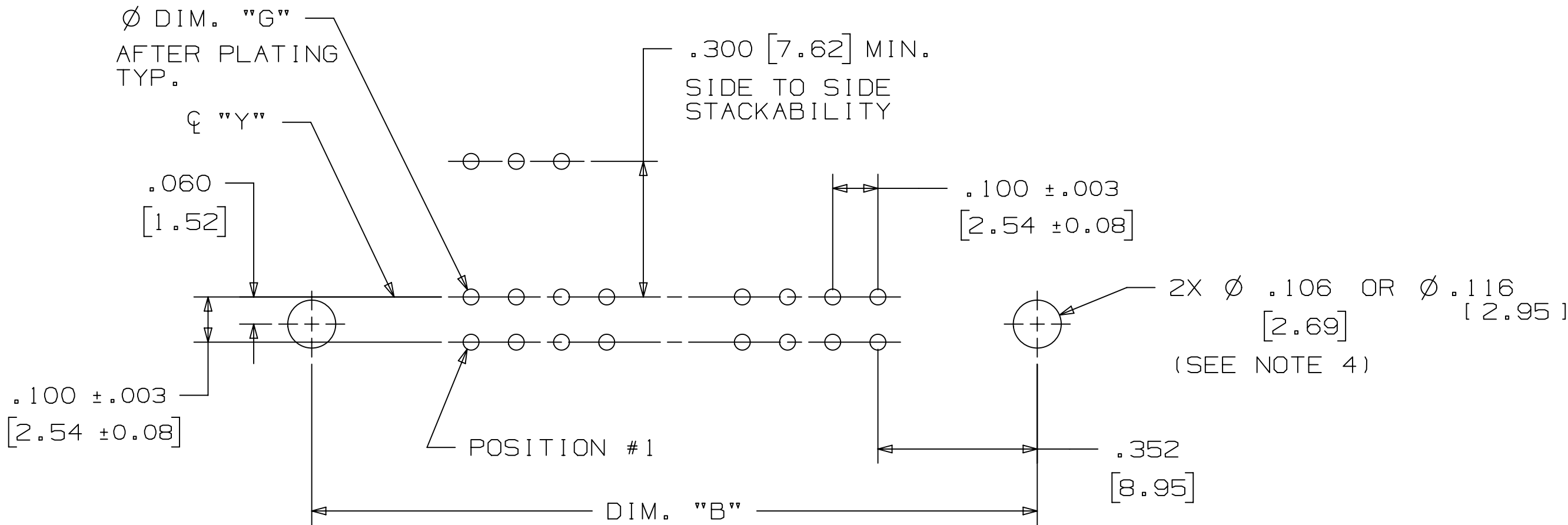
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K	97909	JUN 22,2021	JNC	SAN
J	93619	JAN 07,2021	JNC	SAN
H	60056	MAR 06,2015	JNC	RS
G	56068	AUG 05,2014	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CASTIGLIONE	DATE 05,2014	MFG	DATE
CHKD		DATE	APPR	DATE
			R. SCHERER	SEP 05,2014

3M Center
St. Paul,
MN 55144

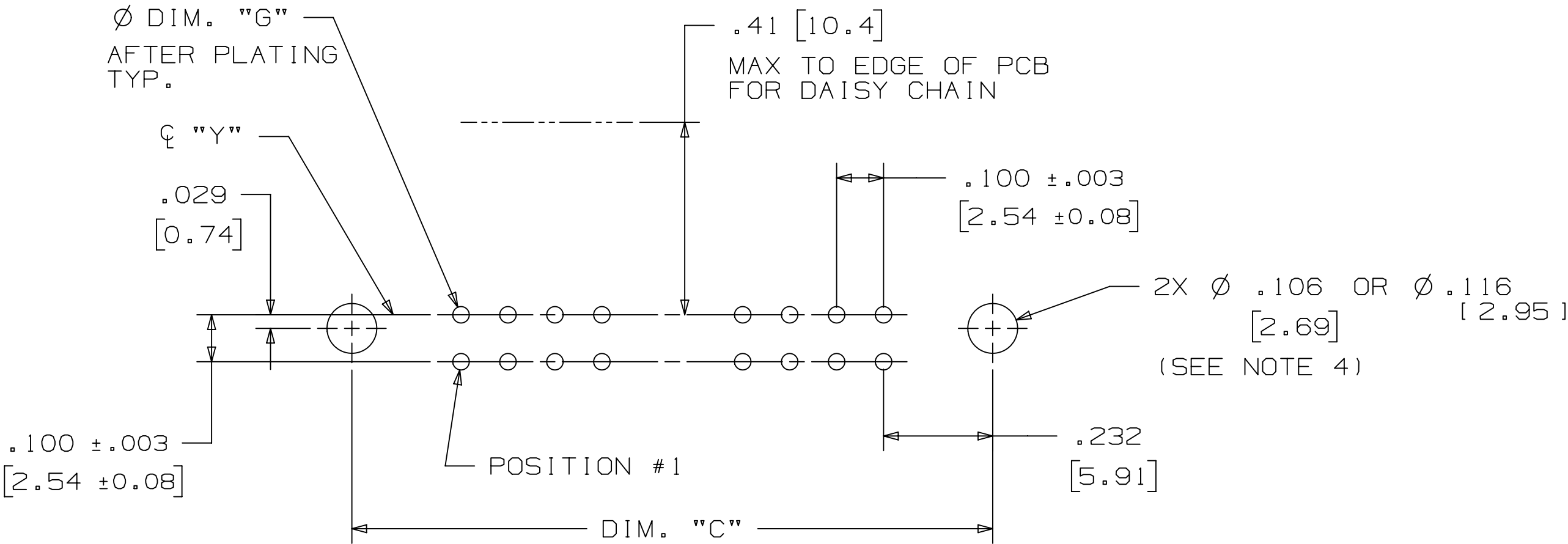
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HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA

3M™ THREE-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



RECOMMENDED MOUNTING HOLE PATTERN
(STRAIGHT VERSION)



RECOMMENDED MOUNTING HOLE PATTERN
(RIGHT ANGLE VERSION)

PART CUSTOMIZATION

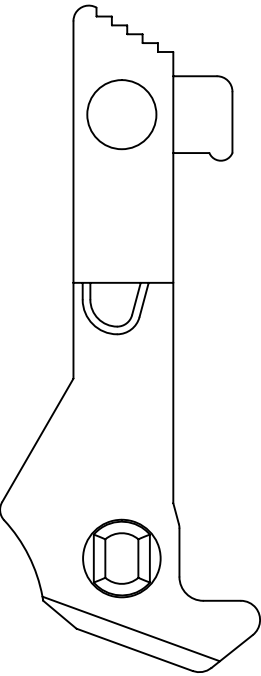
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

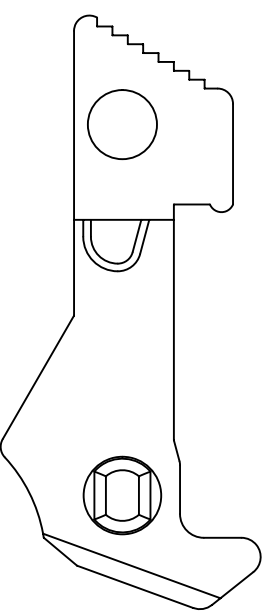
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK

- * SELECTIVE PIN REMOVAL (ATA OR OTHER COMPATABILITY)
- * WIRE WRAP TAILS STYLE

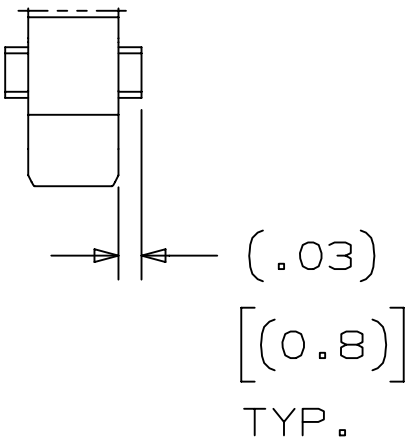


LONG



SHORT

SNAP-IN LATCHES

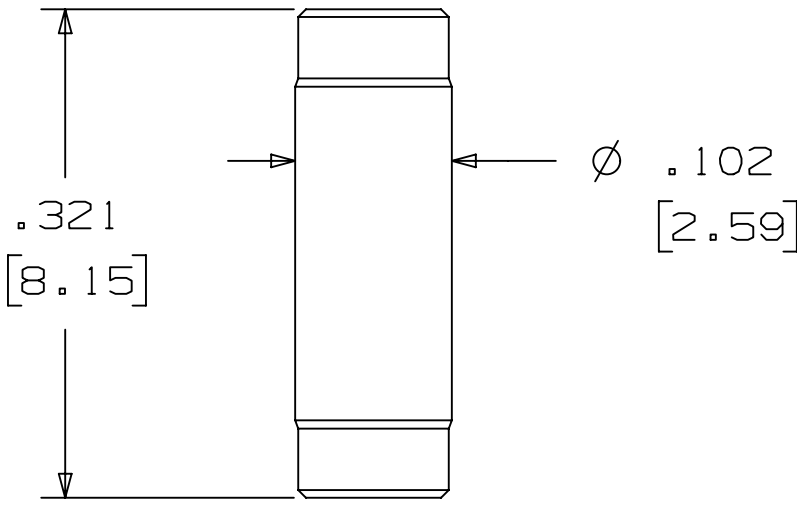


NOTE:
SNAP-IN LATCHES CAN ONLY BE ORDERED SEPARATELY AND ARE THE CUSTOMERS RESPONSIBILITY TO INSTALL.

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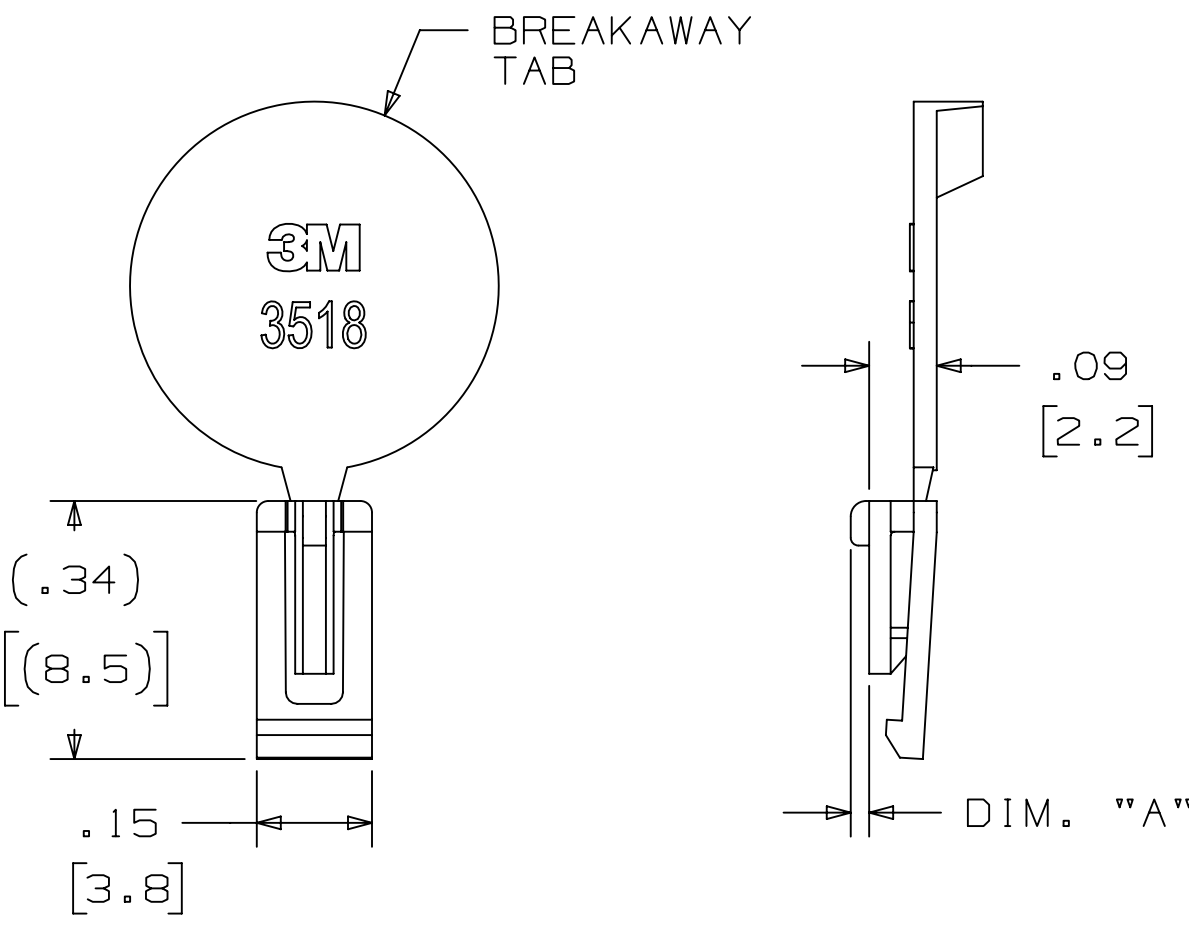
POLARIZING POST



3M PART NO.	MATERIAL	COLOR
3201-4	LCP	BLACK

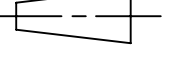
NOTE:
INSERT POST INTO ONE MOUNTING
HARDWARE HOLE ON BOTTOM OF HEADER.
SET POST TO PROTRUDE .115 [2.92]

POLARIZING KEY



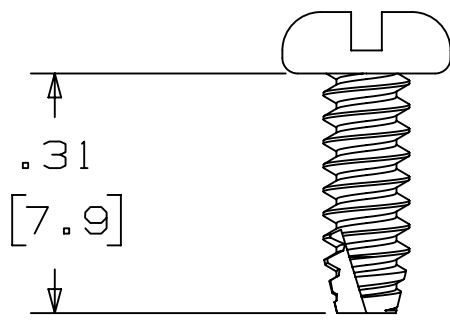
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

NOTE:
#2216 B/A SCOTCHWELD CAN BE USED TO
ADHERE KEYS.

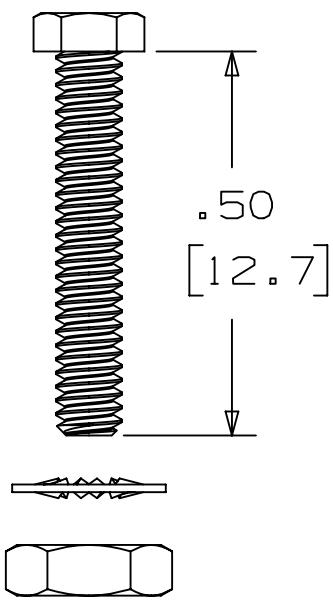
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ACCESS CODES			DRFT CASTIGLIONE		DATE AUG 05, 2014		MFG	DATE
			CHKD		DATE		APPR FL SCHERER	DATE SEP 05, 2014
DIVISION		DIVISION CODE	© 3M COPYRIGHT 2024					
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DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED	 3M Center St. Paul, MN 55144					
		INCHES .00 ±.01 .000 ±.005 .0000 ±.0002	TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA					
THIRD ANGLE PROJECTION		MILLIMETERS 0 ±.005 .000 ±.0002	CAGE NUMBER SIZE DRAWING NO. D 78-5100-0771-5					
MAX SURFACE ROUGHNESS ✓ ☒ ALL SURFACES ☐ MARKED ONLY		ANGLES ±	MODEL 3400					
			DET. LISTS ☐ YES ☒ NO					
			SHT 3 OF 5					

3M™ THREE-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

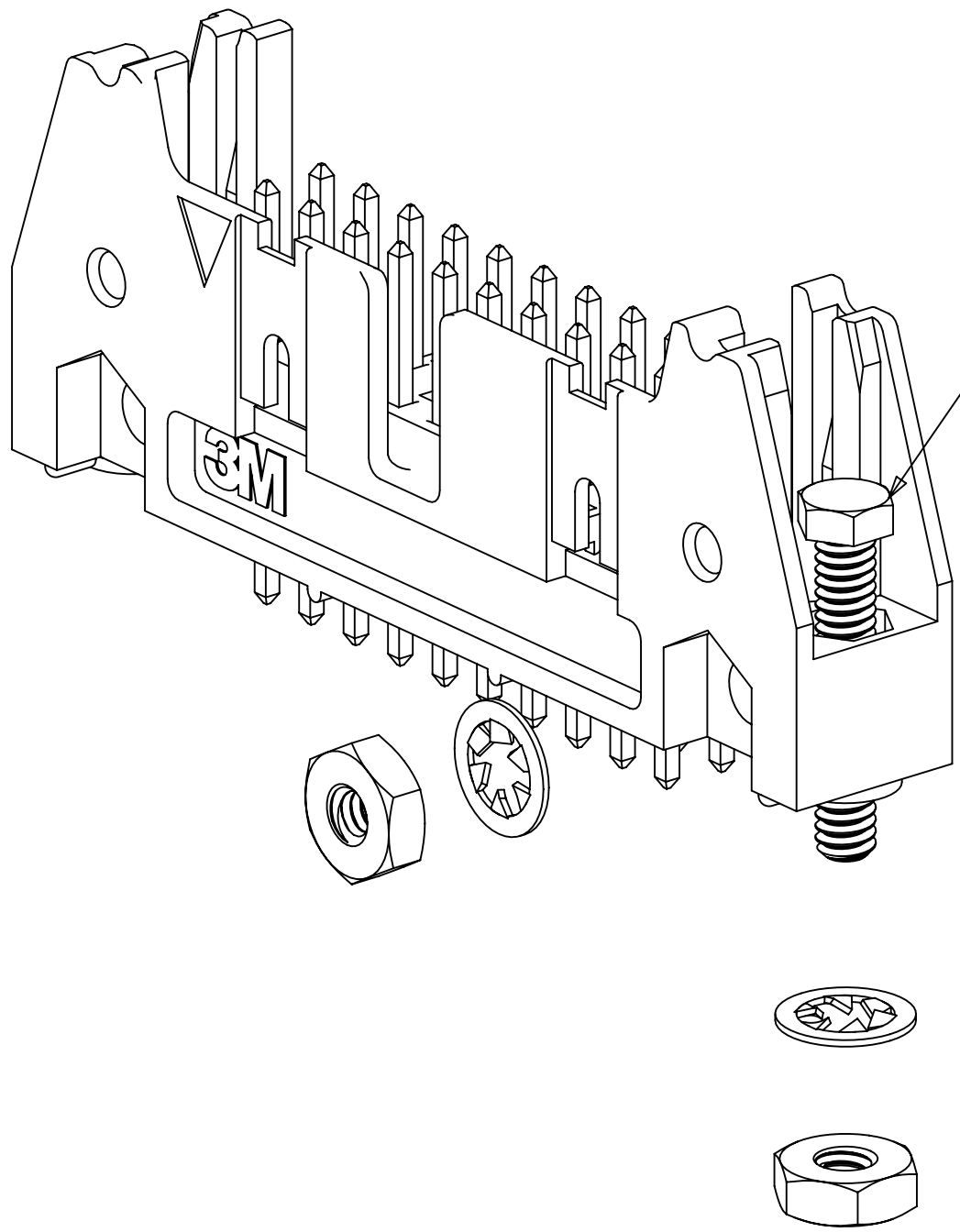
MOUNTING HARDWARE



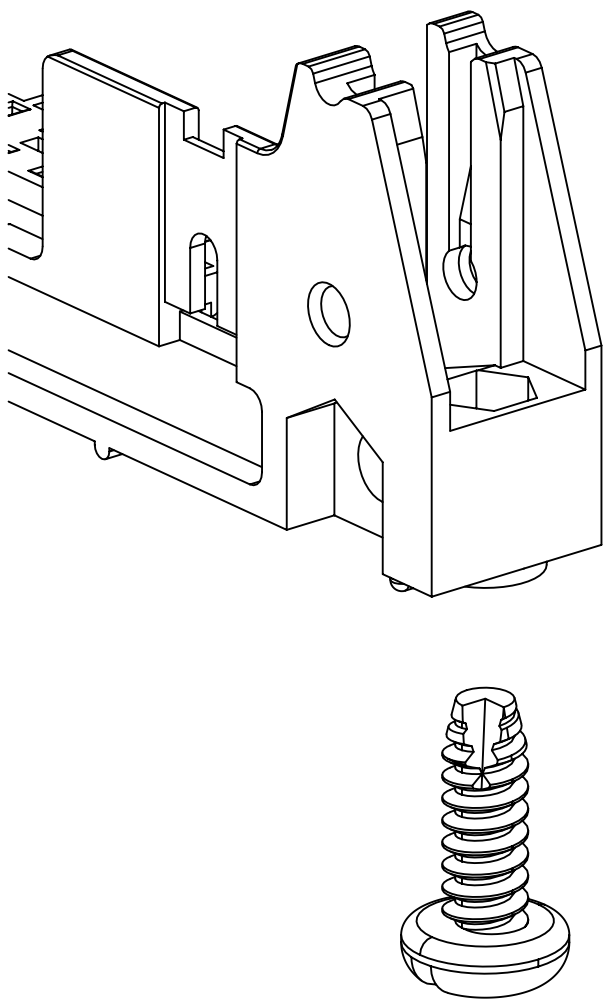
3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL B6
MATERIAL: STAINLESS STEEL



3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



3341-6
#2-56 NUT AND BOLT

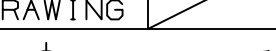


#4-24 TYPE BT SELF THREADING SCREW
WHEN USING LATCHES, MAXIMUM LENGTH
OF SCREW IS .250 INCHES PLUS
THICKNESS OF THE BOARD.

3341-5

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ACCESS CODES				DRFT		DATE		MFG		DATE	
				CHKD		DATE		APPR. R. SCHERER		DATE SEP 05, 2014	
DIVISION		DIVISION CODE				3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2024 This document contains 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.			
Interconnect Solutions		EMSD									
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED									
				INCHES		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA					
THIRD ANGLE PROJECTION				.0 ± .1 .00 ± .01 ± .005 ± .002 ± .0003							
INTERPRET PER ASME Y14.5 - 2018				MILLIMETERS 0 ± .0 ± .00 ± ± .0003							
MAX SURFACE ROUGHNESS				CAGE NUMBER		SIZE		DRAWING NO.		REV.	
				D		1		78-5100-0771-5		L	
✓ MARKED SURFACES				MODEL		3400		DET. LISTS		YES ☒ NO ☐	
				ANGLES				SHT 4 OF 5			

3M™ THREE-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

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L	115955	MAY 08,2024	JNC	FJR
K	97909	JUN 22,2021	JNC	SAN
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DRFT	C	ASTIGLIONE	DATE	DATE
CHKD		DATE	APPR	DATE
			R. SCHERER	SEP 05,2014
DIVISION		DIVISION CODE		
Interconnect Solutions		EMSD		
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		
		INCHES 0 ±.1 0.00 ±.01 0.000 ±.005 0.0000 ±.0002		
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± 0 ± 0.00 ± 0.00 ±		
MAX. SURFACE ROUGHNESS ALL SURFACES MARKED ONLY		CAGE NUMBER D78-5100-0771-5		
		SIZE 3400		
		DRAWING NO. D78-5100-0771-5		
		REV. L		
		DET LISTS		
		YES		
		NO		
		SHT 5 OF 5		