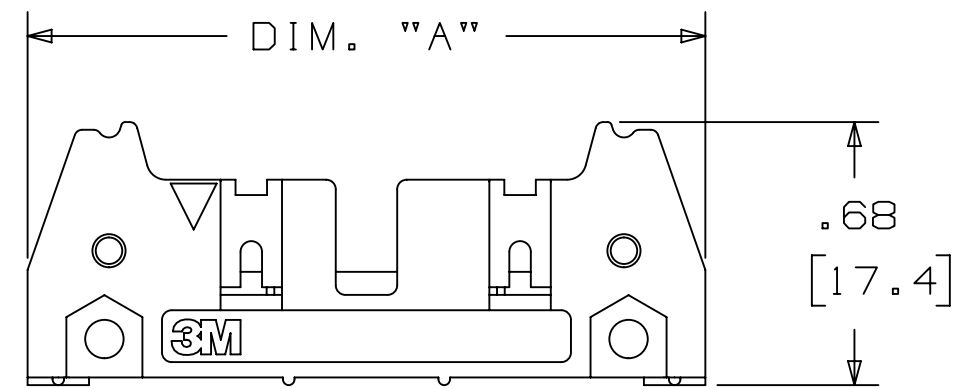


.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



Technical drawing of a mechanical assembly. Dimensions shown include: $.424 \pm .010$, $[10.77 \pm 0.25]$, $.08$, $[2.0]$, $(.97)$, $[(24.7)]$, and $9.5]$. The drawing includes a 3M logo and a dashed line indicating a curved surface.

Technical drawing of a mechanical part with dimensions in inches and millimeters. The drawing shows a side view of a component with various features and dimensions.

Dimensions (inches) and their corresponding millimeter equivalents (in parentheses):

- Top left dimension: $.573 \pm .010$ [14.55 ± 0.25]
- Top right dimension: (1.07) [(27.2)]
- Left side dimension: $.08$ [2.0]
- Bottom left dimension: $(.46)$ [(11.7)]

The drawing includes a cross-section view of a cylindrical feature with a hatched pattern. A dashed line indicates a hidden feature. The part is labeled with "3M" and "X2X2".

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

```

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

```

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

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)

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

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

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Interconnect Solutions		EMSD	
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED	
		INCHES .00 ±.1 .00 ±.01 .0000 ±.005 .0000 ±.0002	
THIRD ANGLE PROJECTION		MILLI METERS	
INTERPRET PER ASME Y14.5 - 2018		0 ± .0 ± .00 ± .000 ±	
MAX SURFACE ROUGHNESS ☒ ALL SURFACES ☐ MARKED ONLY		ANGLES ±	

1.	REGULATORY INFORMATION: VISIT 3M.com/regs
2	IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
3	NOTCHES A & C WILL ACCOMMODATE 3M POLARIZING KEY: N3518).
4	MOUNTING HARDWARE: FROM SOLDER SIDE OF PC BOARD USE #4-24 THREAD CUTTING SCREW (3M PART #3341-5) WITH Ø.116 [2.95] MOUNTING HOLE. FOR RIGHT ANGLE VERSION ONLY: #2-56 BOLT AND NUT (3M PART #3341-6) WITH Ø.106 [2.69] MOUNTING HOLE MAY BE USED.

L	115955		MAY 08,2014	JNC	FJR
K	97909		REMOVE 05 WWT TAILS JUN 22,2021	JNC	SAN
J	93619		REMOVED ORDERING INFO JAN 07,2021	JNC	SAN
H	60056		REMOVE TIN LEAD PLATE AND KINK TAILS MAR 06,2015	JNC	RS
G	56068		REVISED ORDERING AUG 05,2014	JNC	RS
REV	ECO		REVISED AND REDRAWN		
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD	
DRFT	CAS71GLONE	DATE	APPR	DATE	
CHKD		DATE	APPR	DATE	
			R. SCHERER	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.
	D	78-5100-0771-5			L
MODEL	3400	DET. LISTS		YES ☐ NO ☐	SHT 1 OF 5

3M™ THREE-WALL HEADER, 3000 SERIES

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

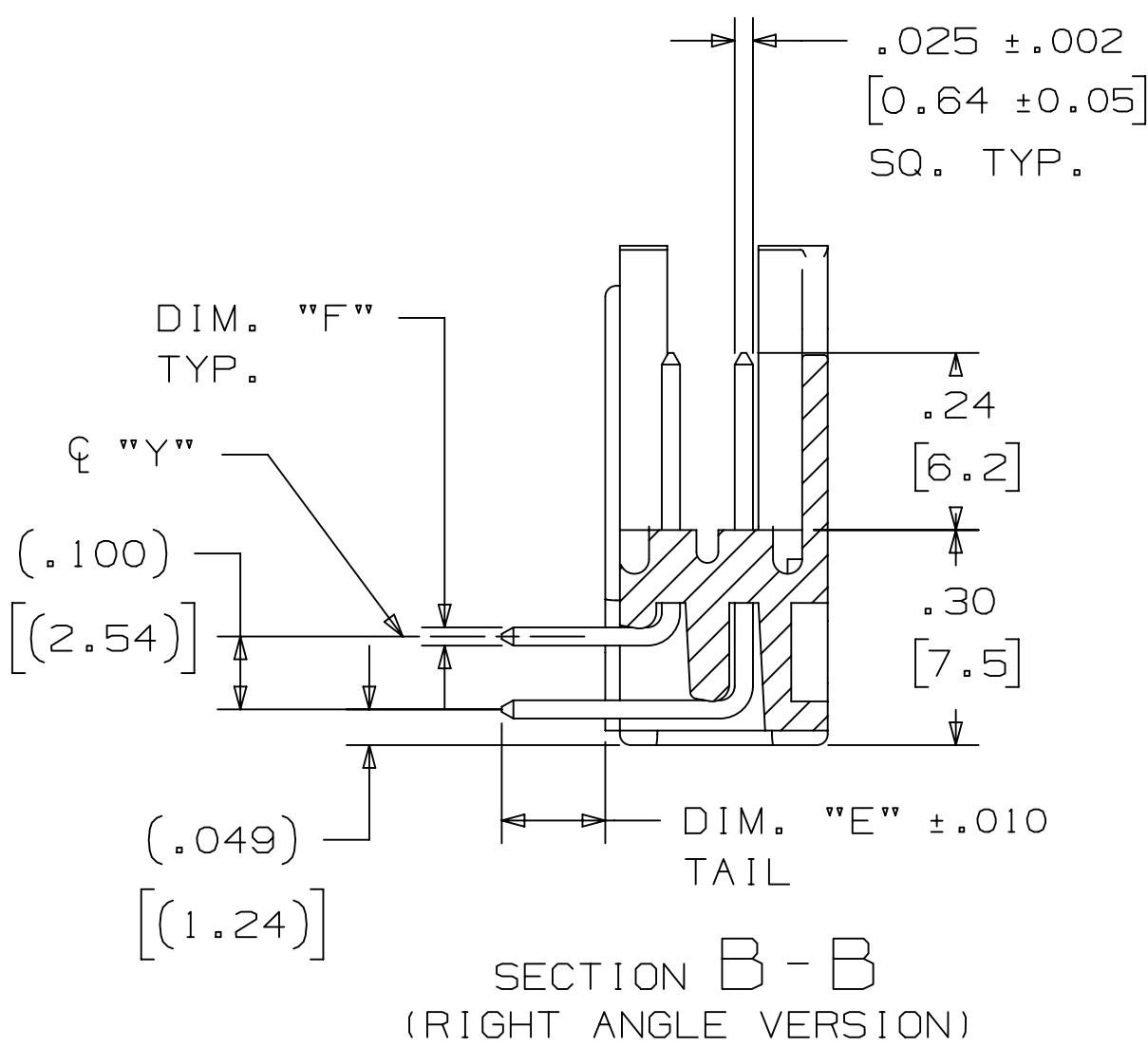
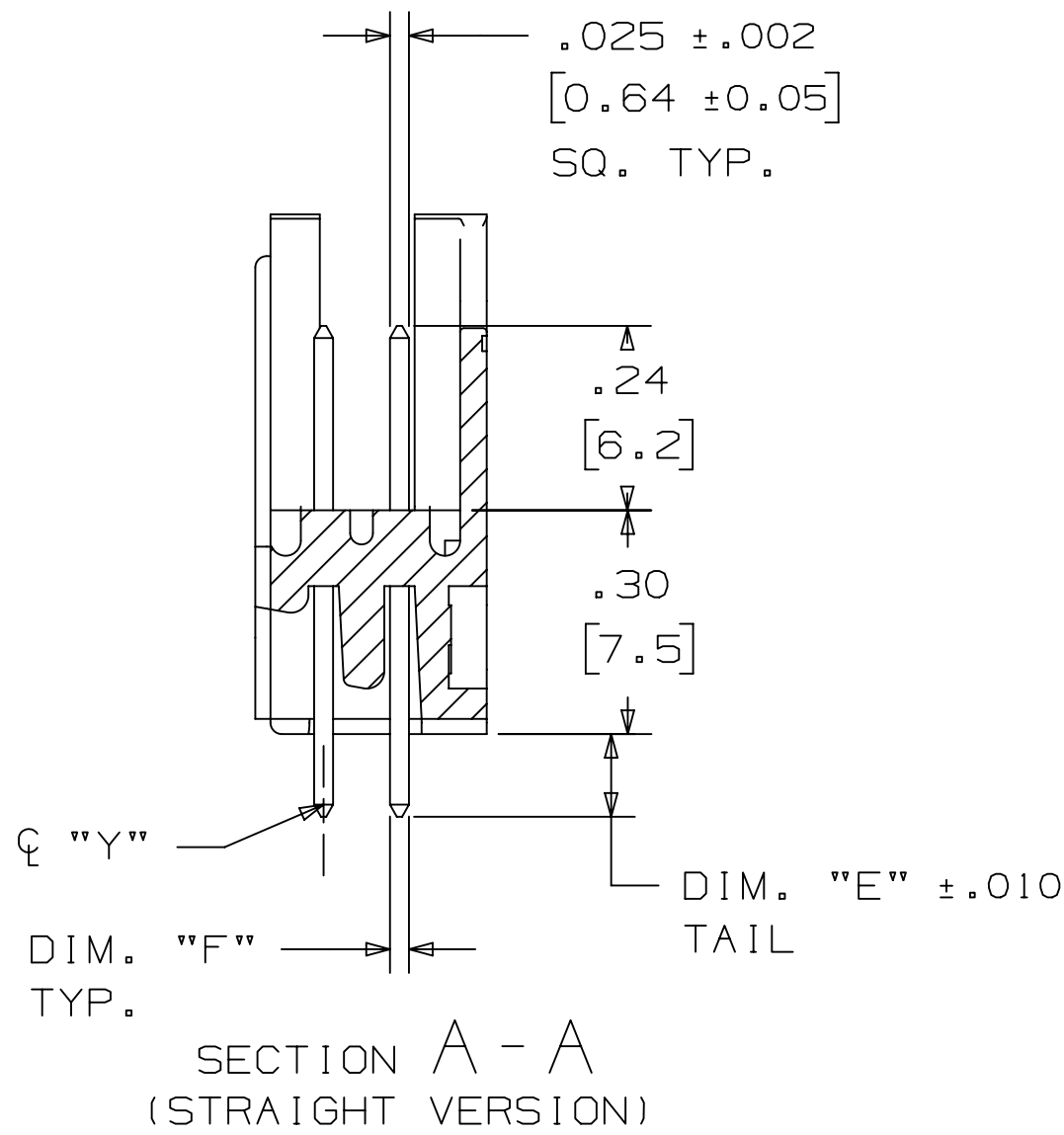
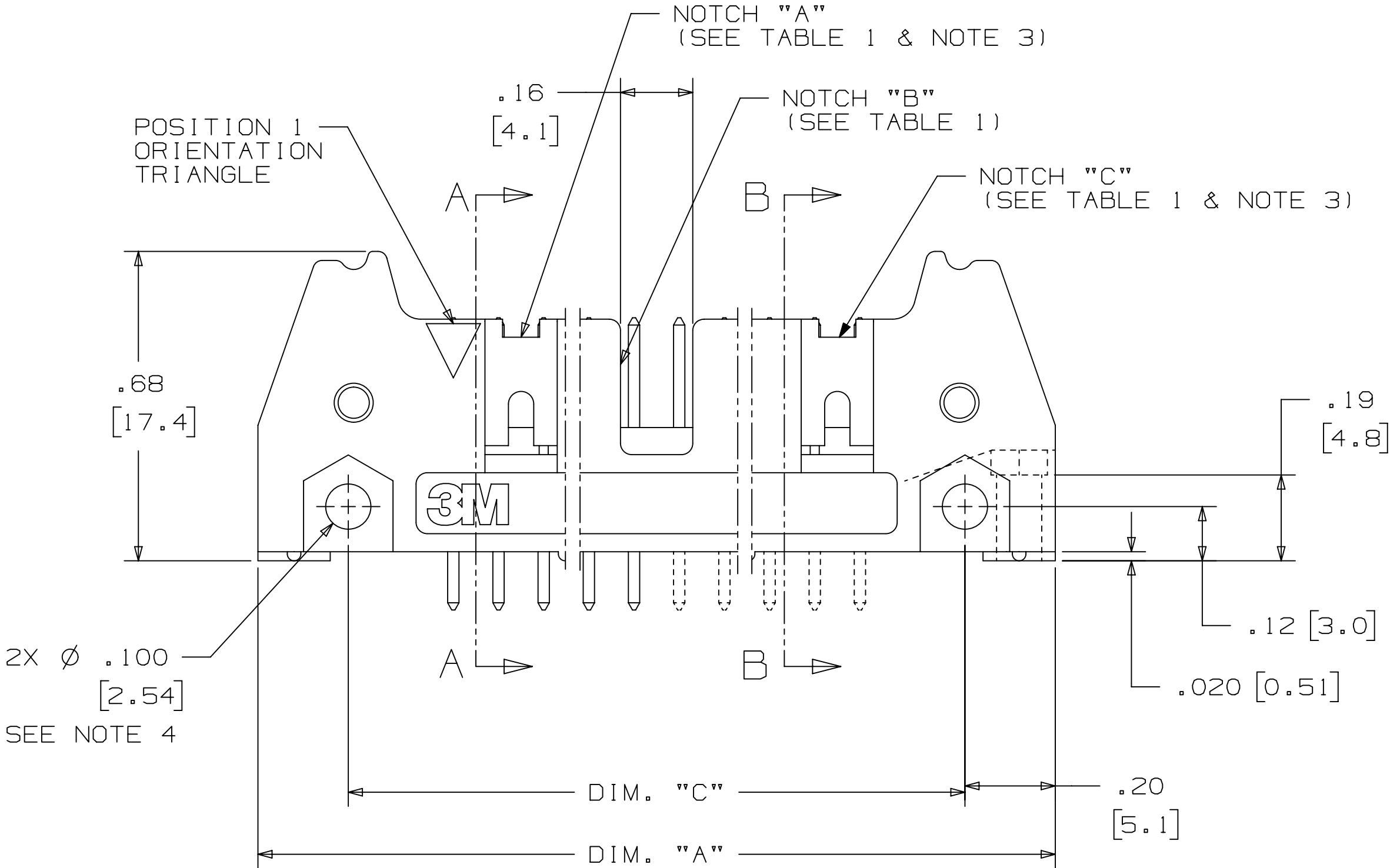
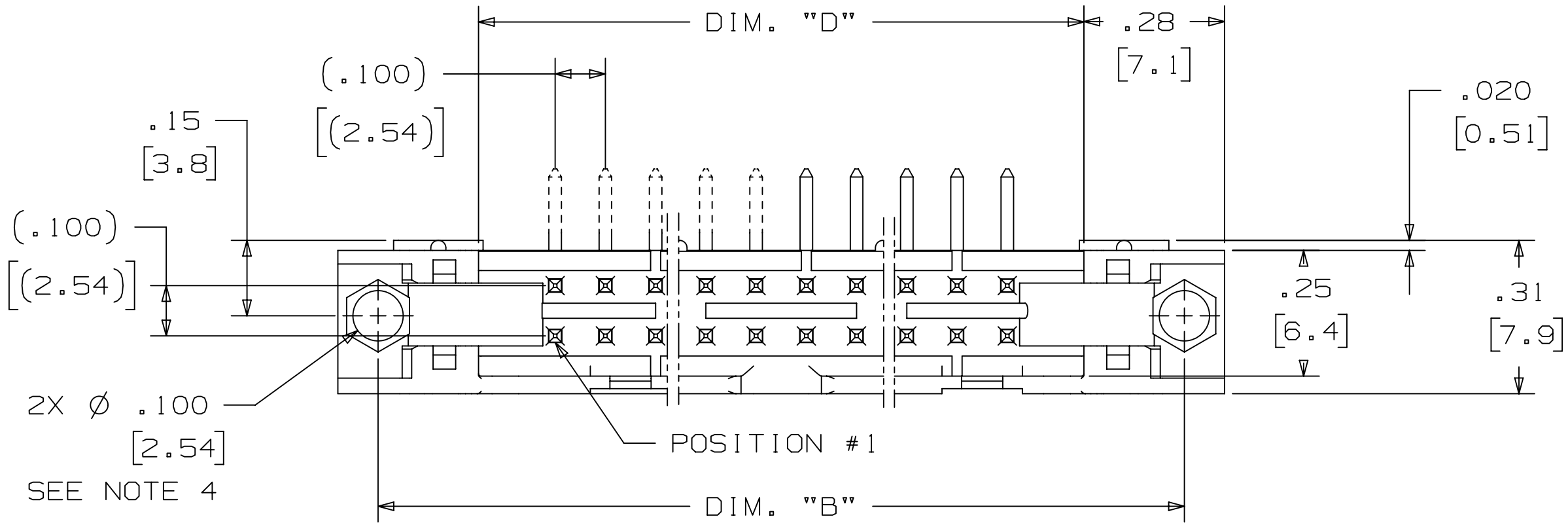


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20	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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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 .000 ±.000	
MAX. SURFACE ROUGHNESS		CAGE NUMBER	
ALL SURFACES MARKED ONLY		DRAWING NO. 78-5100-0771-5	
		REV. L	
		MODEL 3400	

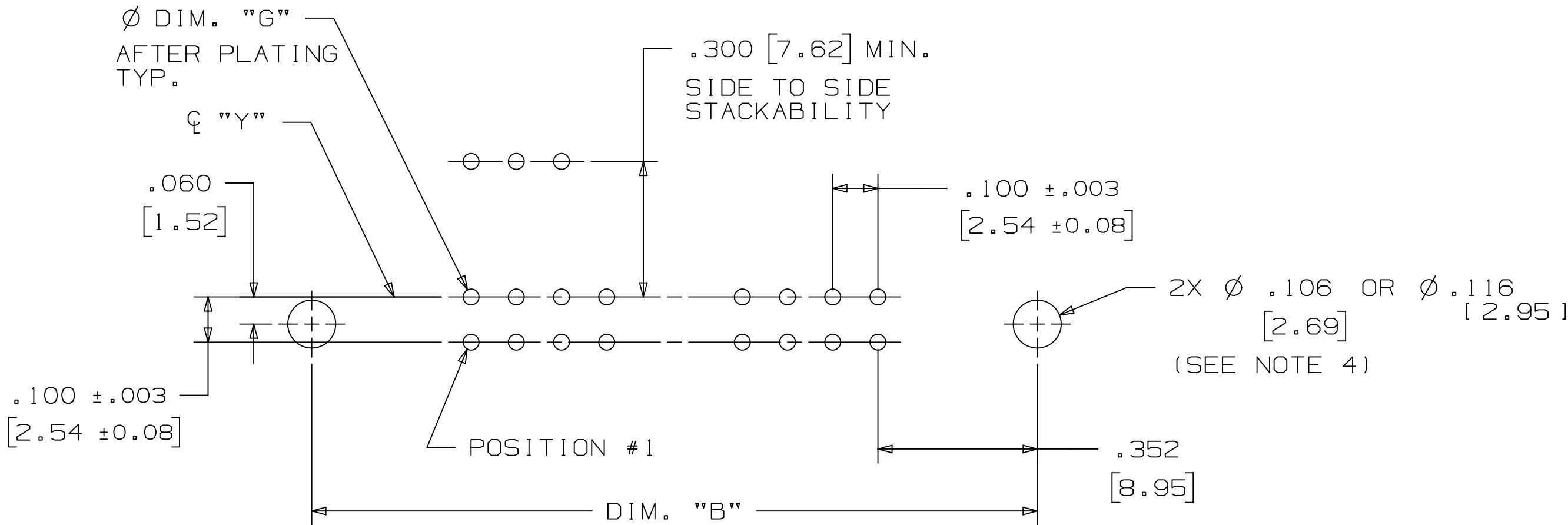
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K	97909	JUN 22,2021	JNC	SAN
J	93619	JAN 07,2021	JNC	SAN
H	60056	MAR 06,2015	JNC	RS
G	56068	AUG 05,2014	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CASTIGLIONE	DATE 05,2014	MFG	DATE
CHKD		DATE	APPR	DATE
			R. SCHERER	SEP 05,2014

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St. Paul,
MN 55144

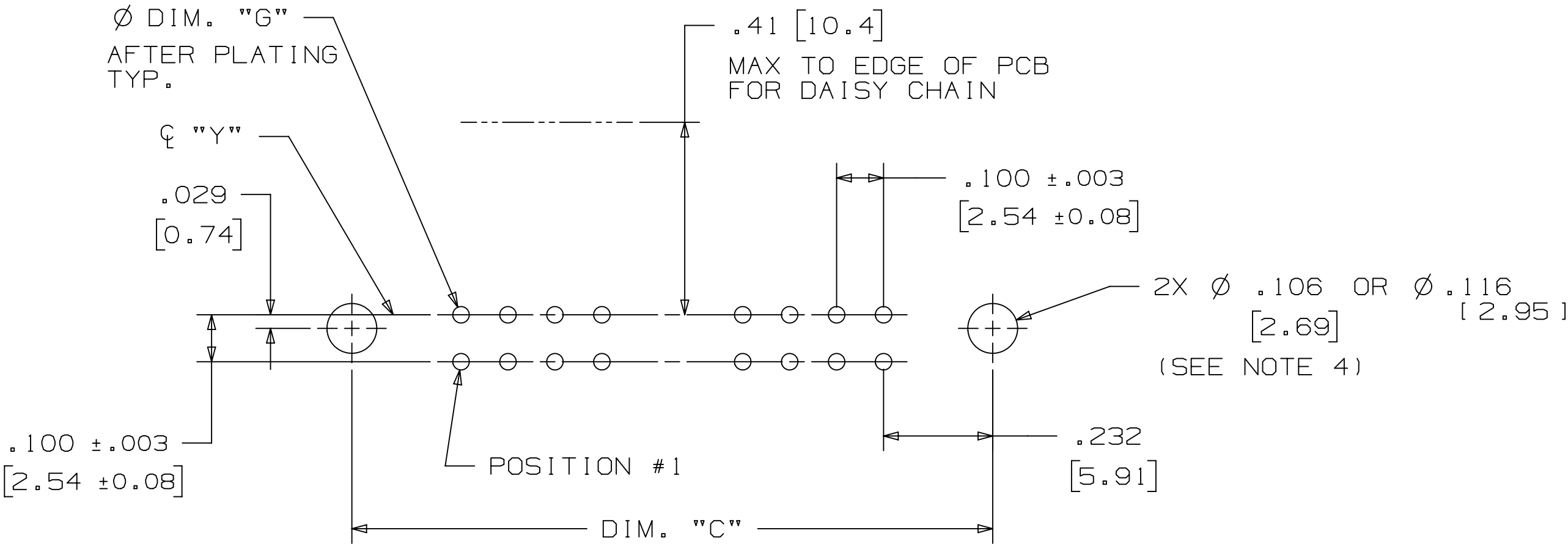
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HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA

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

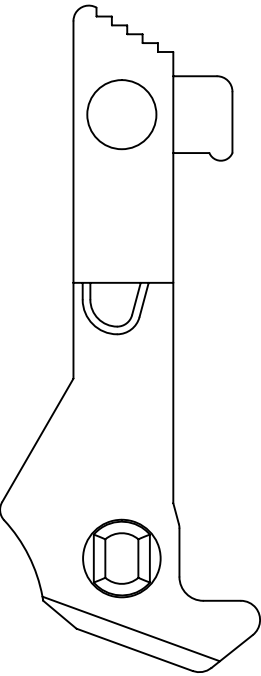
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

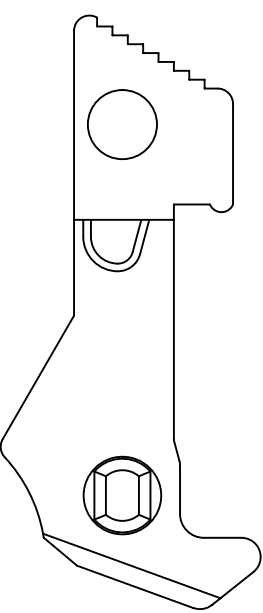
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

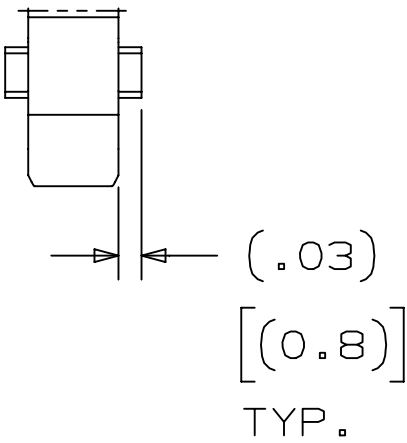


LONG



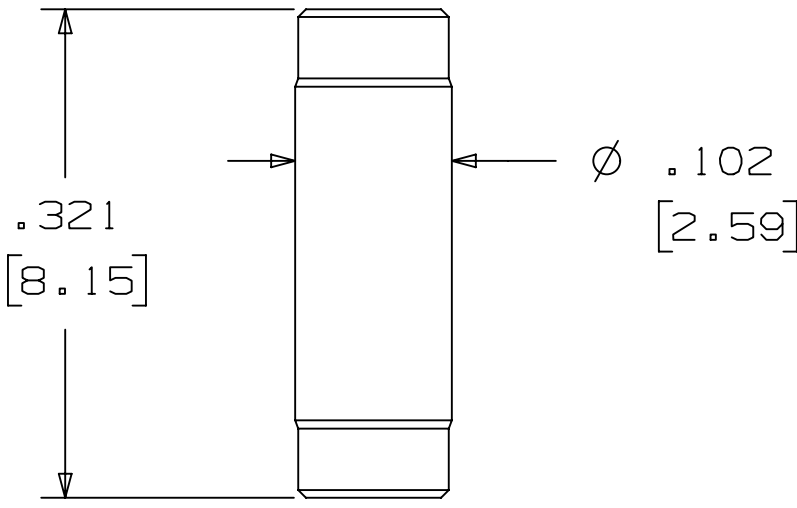
SHORT

SNAP-IN LATCHES



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

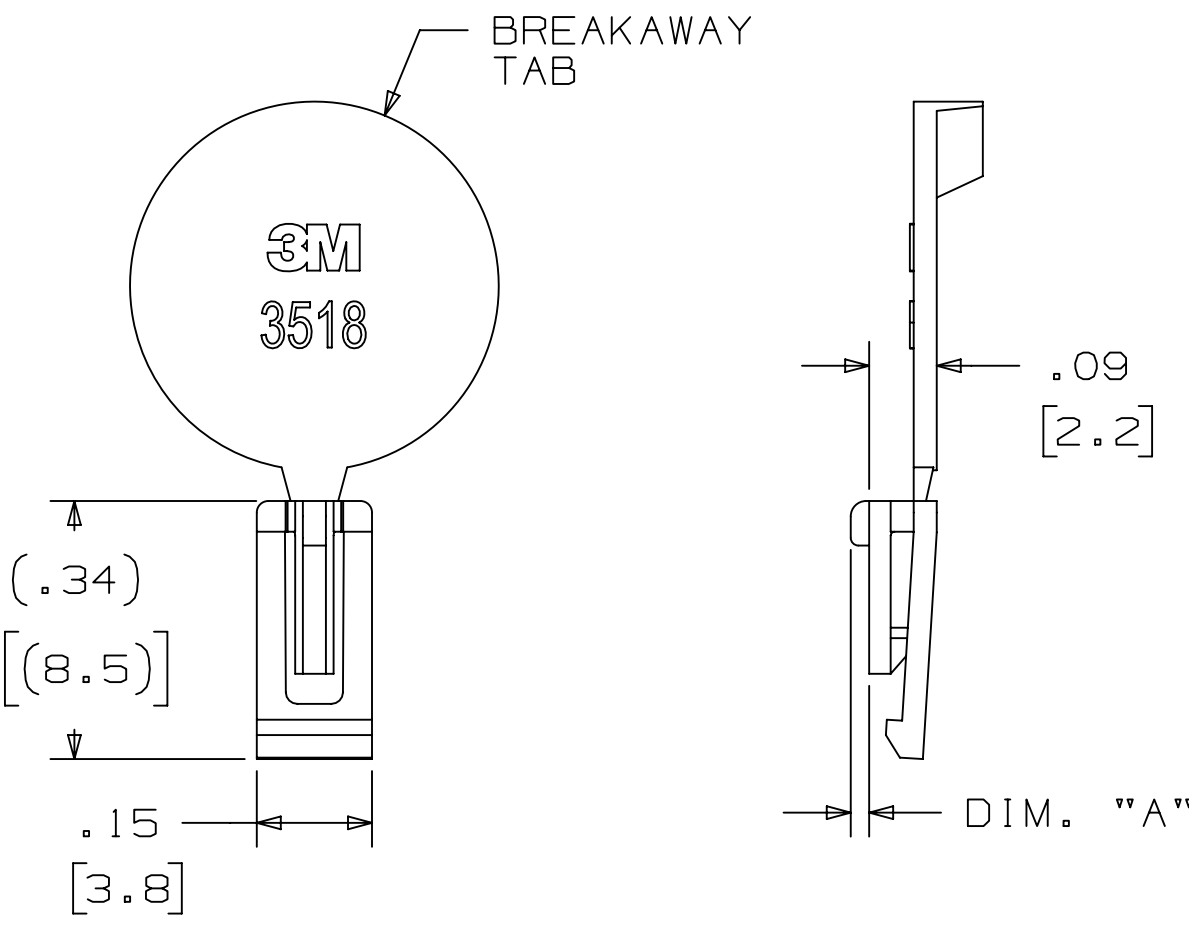
POLARIZING POST



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



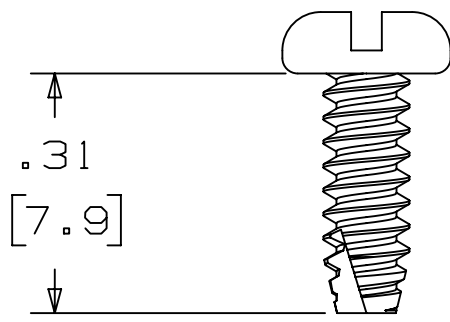
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT	CASTIGLIONE	DATE	AUG 05,2014	MFG	DATE
				CHKD		DATE		APPR	DATE
								R. SCHERER	SEP 05,2014
DIVISION		DIVISION CODE		3M 3M Center St. Paul, MN 55144 © 3M COPYRIGHT 2024 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.					
Interconnect Solutions		EMSD							
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED					
				INCHES		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA			
THIRD ANGLE PROJECTION				MILLIMETERS					
INTERPRET PER ASME Y14.5 - 2018				0 ± .01 .00 ± .01 .000 ± .005 .0000 ± .0002					
MAX SURFACE ROUGHNESS		ALL SURFACES		0.00 ± .00 ± .000 ±		CAGE NUMBER D 78-5100-0771-5			
✓ MARKED ONLY				ANGLES ±					
				0.00 ±		MODEL 3400		DET. LISTS ☐ YES ☒ NO SHT 3 OF 5	

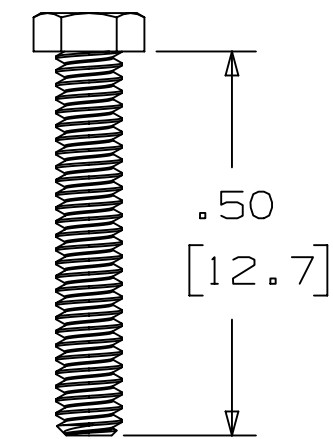
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.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

MOUNTING HARDWARE



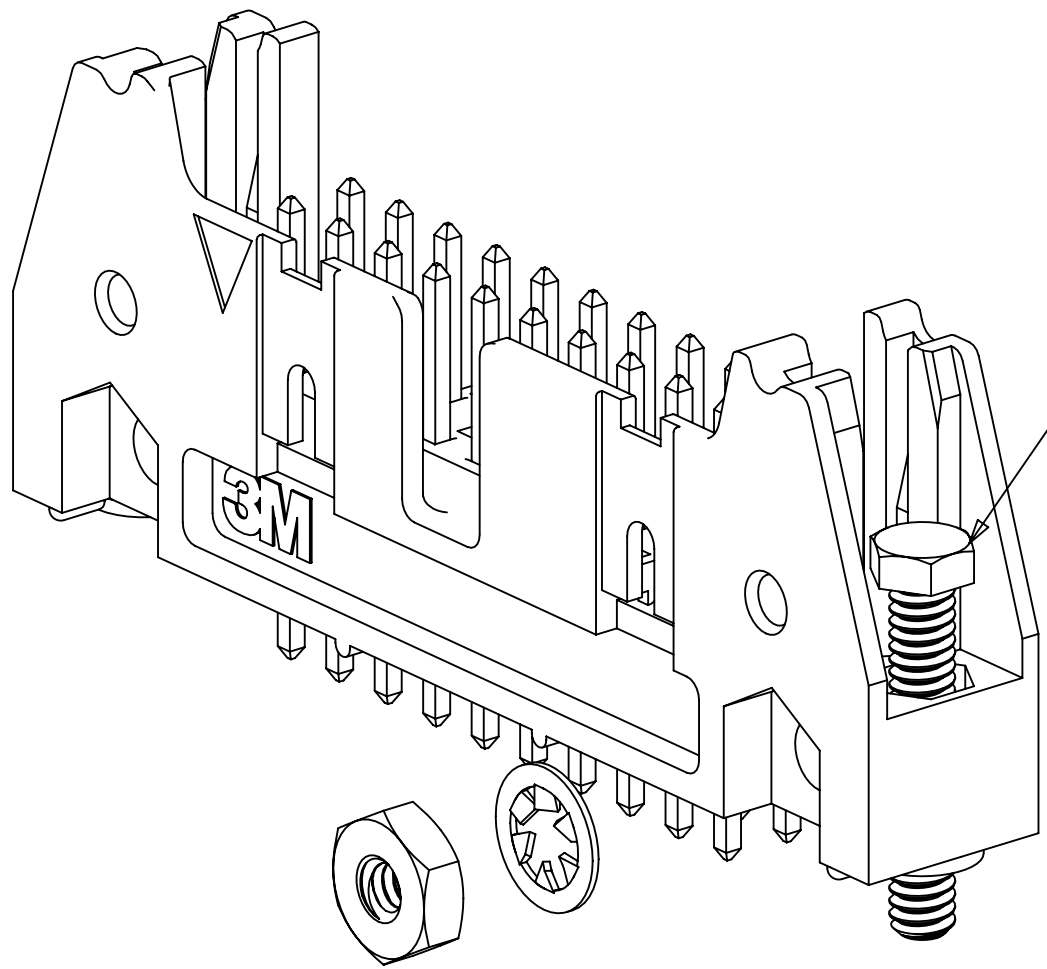
3341-5

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



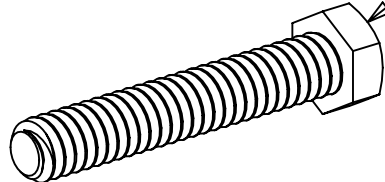
3341-6

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



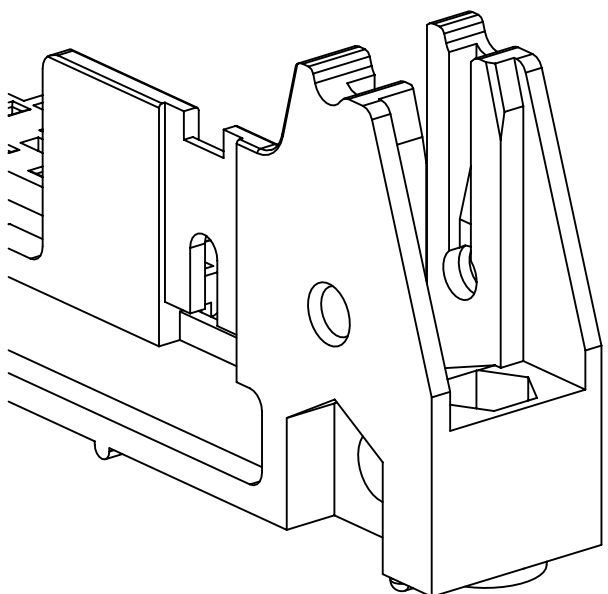
STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

RIGHT ANGLE VERSION INSTALL

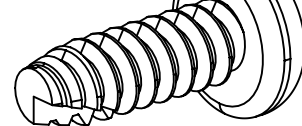


3341-6

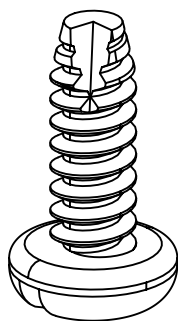
#2-56 NUT AND BOLT



#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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CASTIGLIONE	CASTIGLIONE	CASTIGLIONE	CASTIGLIONE	CHKD	CHKD	AUG 05,2014	R. SCHERER	DATE	DATE
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THIRD ANGLE PROJECTION		INCHES		0.0 ± .01		CAGE NUMBER			
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		0 ± .00		SIZE		DRAWING NO.	
MAX SURFACE ROUGHNESS		0 ± .00		D		78-5100-0771-5		REV.	
ALL SURFACES MARKED ONLY		0 ± .00		MODEL		3400		DET	
		ANGLES						YES	
								NO	
								SHT 4 OF 5	

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

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DRFT	CAS	DATE	DATE	DATE
CHKD	GL	AUG 05,2014	APPR	SEP 05,2014
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		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002		
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .0 ± .00 ± .000 ±		
MAX. SURFACE ROUGHNESS ALL SURFACES ✓ MARKED ONLY		CAGE NUMBER SIZE DRAWING NO. REV.		
		MODEL 3400 DET LISTS YES NO SHT 5 OF 5		

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X .100 LATCH/EJECTOR,
STRAIGHT AND RA