

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



INSULATOR: MATERIAL: HIGH TEMPGLOSS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
COLOR: BLACK
CONTACT: MATERIAL: COPPER ALLOY
PLATING:
UNDER PLATING: 50 μ "-150 μ " [1.27 μ m-3.81 μ m] NICKEL-OVERALL
WIPING AREA: 30 μ " [0.76 μ 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.
TENSION RESISTANCE: $>1 \times 10^9 \Omega$ AT 500 V_{DC}
TANDING 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

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

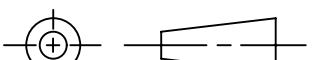
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LATCH/EJECTOR SYSTEM:
0 = NO LATCH/EJECTOR INSTALLED
2 = SHORT ROLL PIN LATCH/EJECTORS
3 = LONG ROLL PIN LATCH/EJECTORS

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD														
ADDRESS CODES				DRFT CASTIGLIONE		DATE AUG 05, 2014		DATE															
				CHKD		DATE		APPRV. R. SCHERER DATE 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 permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.																	
Interconnect Solutions		EMSD																					
DO NOT SCALE DRAWING  THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED INCHES <table><tr><td>.0</td><td>± .1</td></tr><tr><td>.00</td><td>± .01</td></tr><tr><td>.000</td><td>± .005</td></tr><tr><td>.0000</td><td>± .0002</td></tr></table> MILLIMETERS <table><tr><td>0</td><td>±</td></tr><tr><td>.0</td><td>±</td></tr><tr><td>.00</td><td>±</td></tr><tr><td>.000</td><td>±</td></tr></table>		.0	± .1	.00	± .01	.000	± .005	.0000	± .0002	0	±	.0	±	.00	±	.000	±	TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA			
.0	± .1																						
.00	± .01																						
.000	± .005																						
.0000	± .0002																						
0	±																						
.0	±																						
.00	±																						
.000	±																						
INTERPRET PER ASME Y14.5 - 2018 MAX SURFACE ROUGHNESS ☒ ALL SURFACES ☐ MARKED ONLY		☒ ALL SURFACES ☐ MARKED ONLY ANGLES ±		CAGE NUMBER SIZE DRAWING NO. ☒ 578-5100-0771-5		REV. L																	
				MODEL 3400		DET. LISTS YES NO SHT 1 OF 5																	

UL[®]
US
UL FILE NO: E68080

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

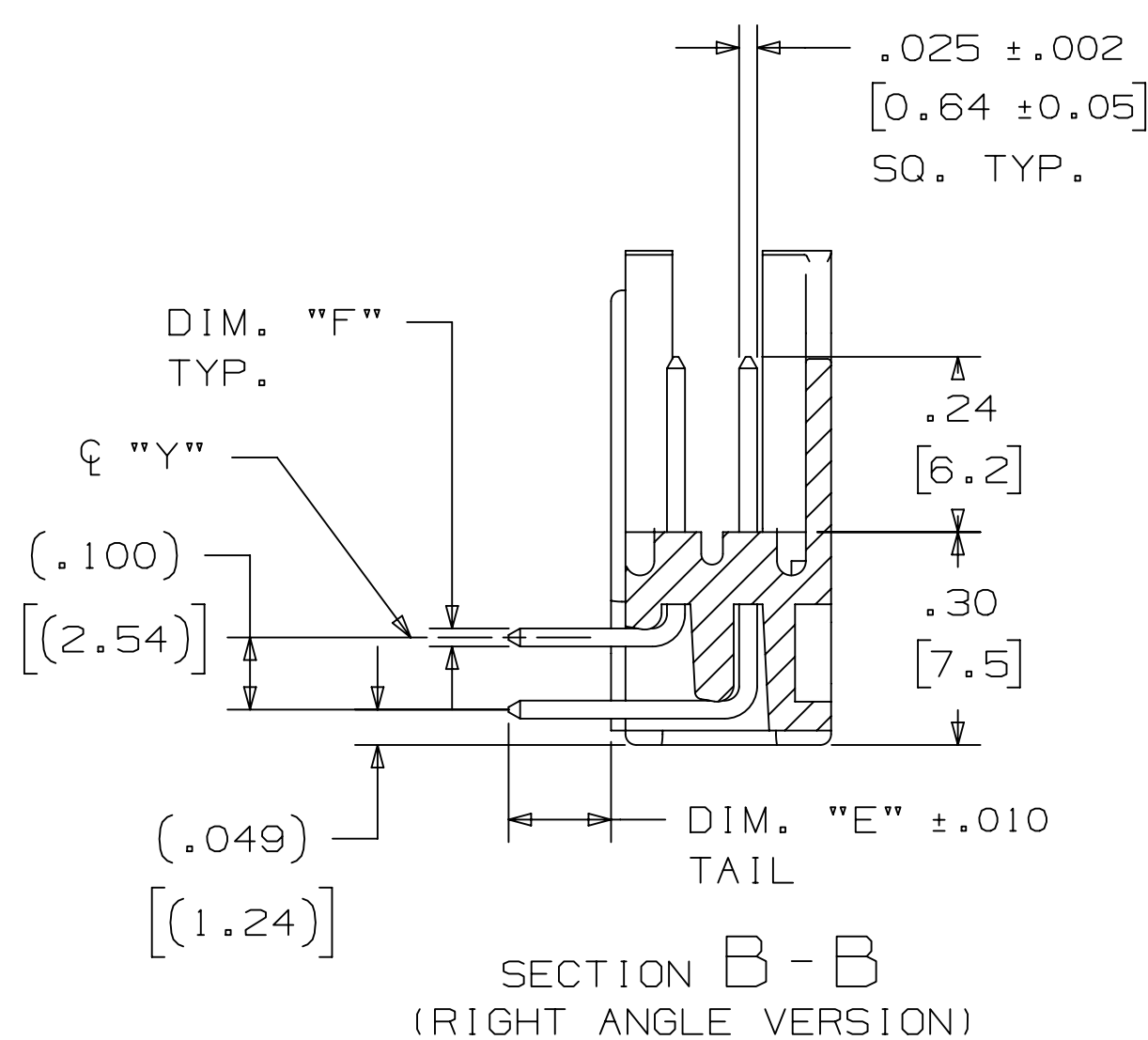
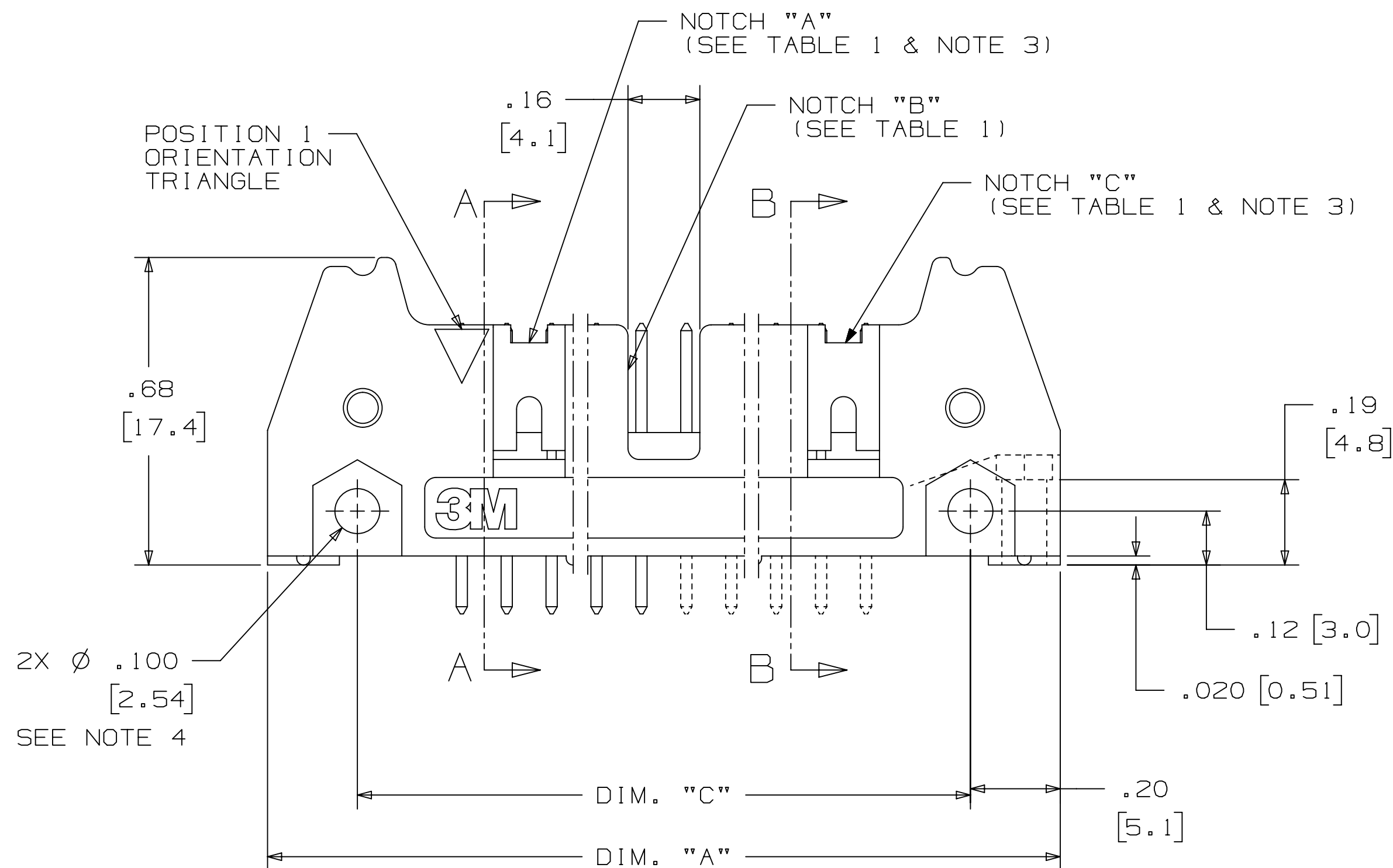
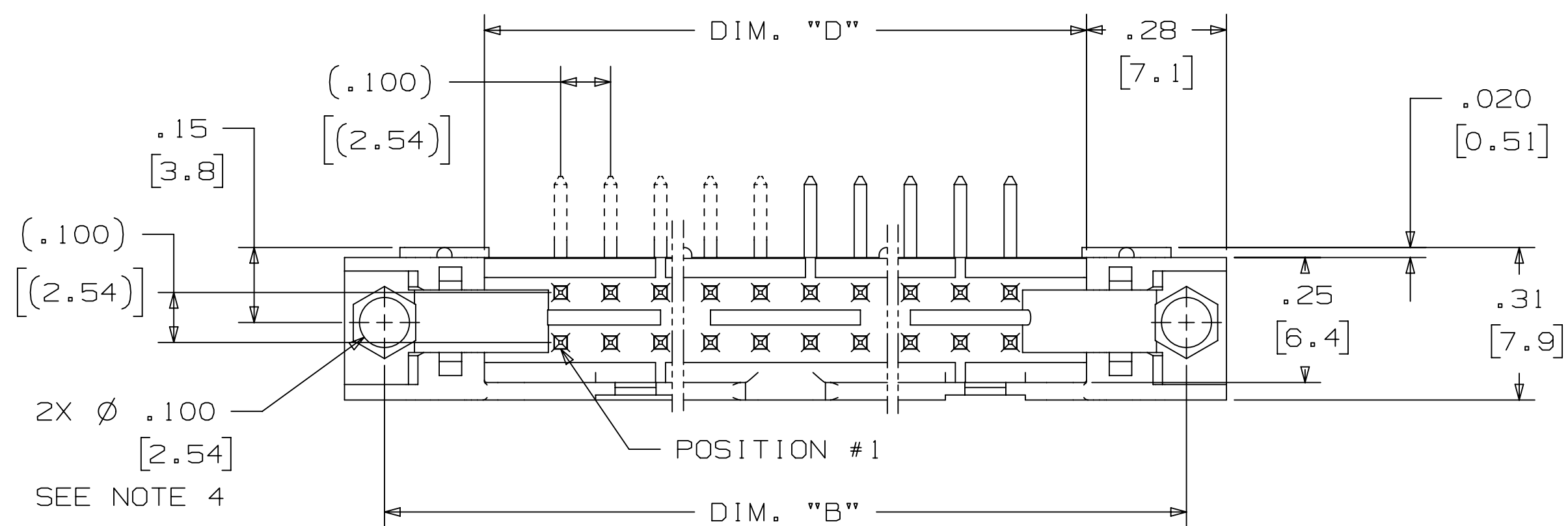


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20	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"	DIAGONALS	CORNER RADIUS	.035+/- .003 [.89] SEE NOTE 5
-2XX2			.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 REF. [.191]	
-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						



L	I15955	MAY 08,2024	JNC	FJR
		REMOVE 05 WWT TAILS		
K	97909	JUN 22,2021	JNC	SAN
		REVISED ORDERING INFO		
J	93619	JAN 07,2021	JNC	SAN
		REMOVE TIN LEAD PLATE AND KINK TAILS		
H	60056	MAR 06,2015	JNC	RS
		REVISE ORDERING NUMBER		
G	56068	AUG 05,2014	JNC	RS
		REVISED AND REDRAWN		
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CAST IGL 1 ONE	DATE AUG 05,2014	MRG	DATE
CHKD		DATE	APPROV SCHERER	DATE SEP 05,2014

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			CHKD	DATE	APPRV. R. SCHERER	DATE SEP 05, 2014	
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		INCHES					
		.00 ±.1 .00 ±.01 .0000 ±.005 .0000 ±.0002					
THIRD ANGLE PROJECTION		MILLIMETERS					
INTERPRET PER ASME Y14.5 - 2018		.0 .0 .00 ±.1 .00 ±.01 .0000 ±.005 .0000 ±.0002					
MAX SURFACE ROUGHNESS		CAGE NUMBER					
☒ ALL SURFACES ☐ MARKED ONLY		SIZE DRAWING NO. D 78-5100-0771-5					
☒ ALL SURFACES ☐ MARKED ONLY		MODEL 3400 DET. YES ☐ NO ☒ SHT 2 OF 5					

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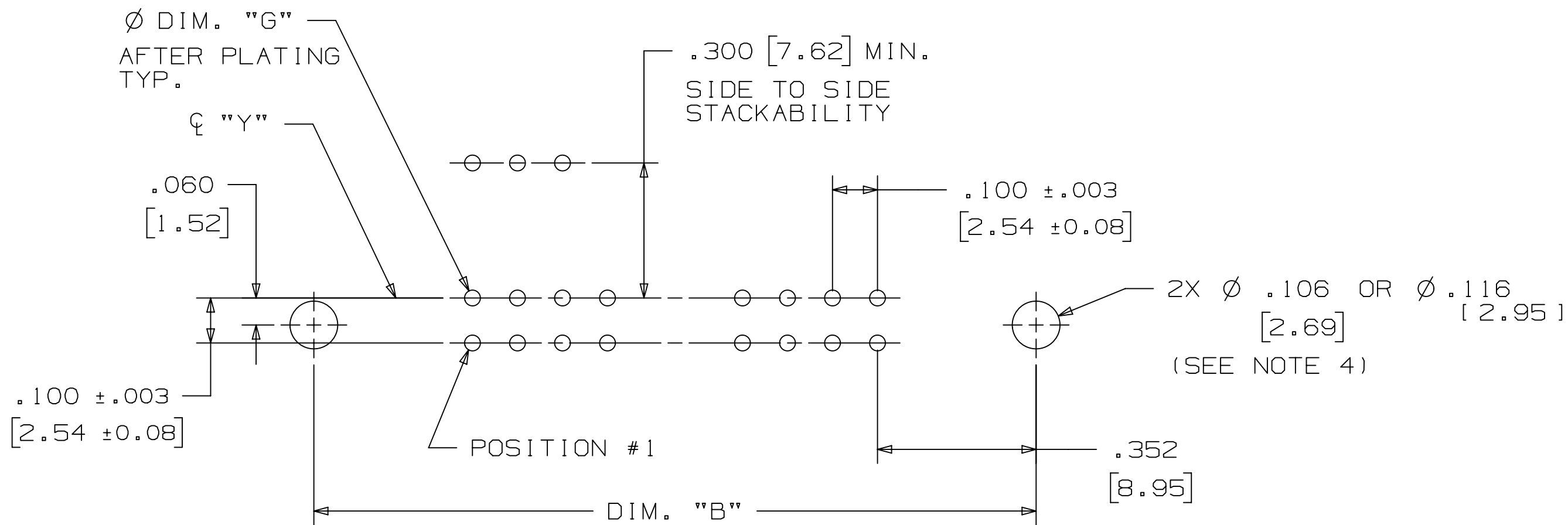
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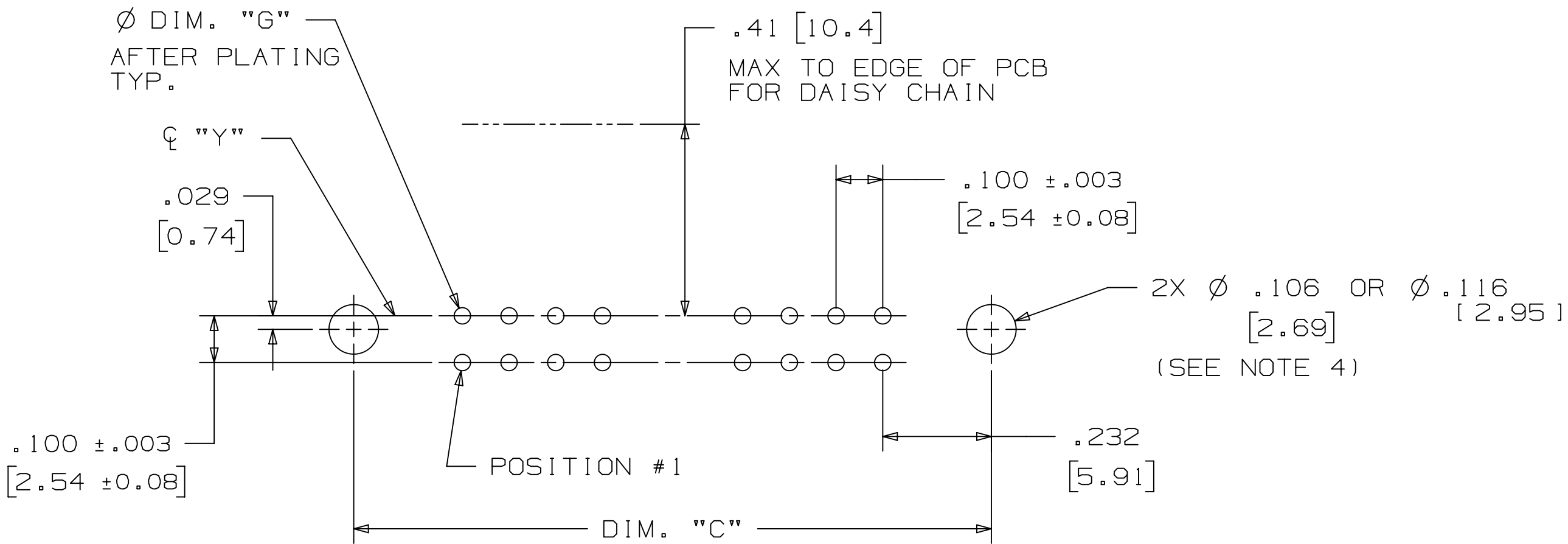
TITLE
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA

CAGE NUMBER	SIZE D	DRAWING NO. 78-5100-0771-5	REV. L
MODEL 3400		DET. LISTS ☐ YES ☒ NO	SHT 2 OF 5

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

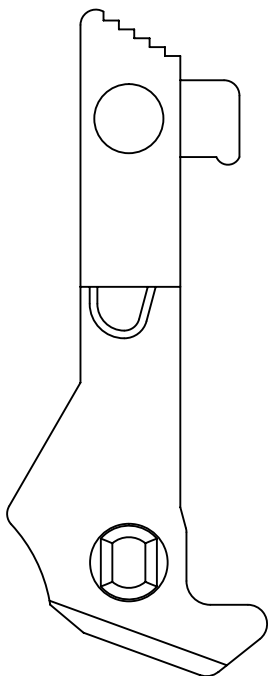
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

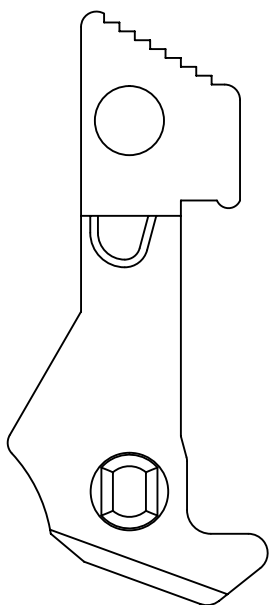
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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



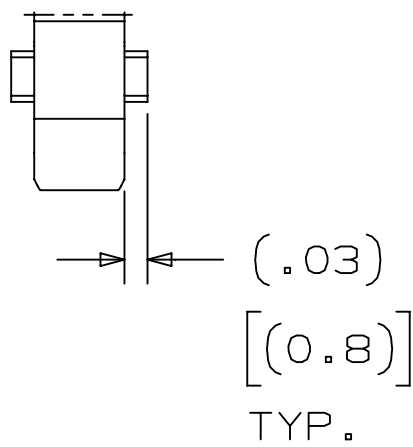
LONG



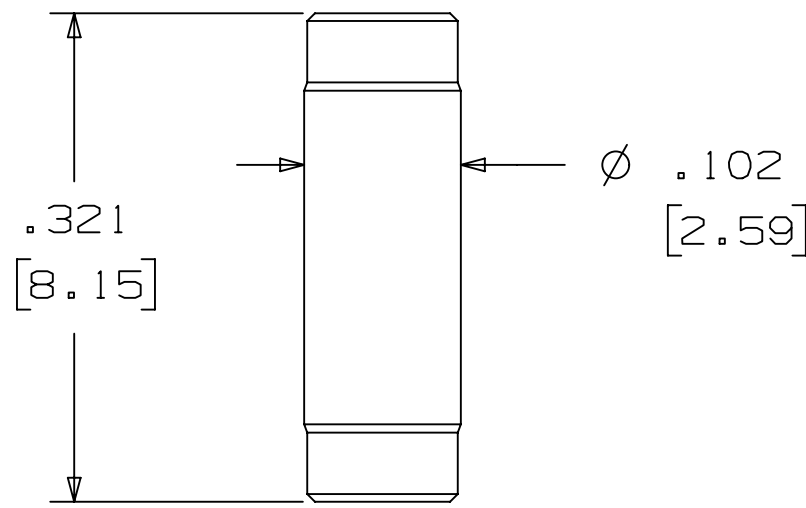
SHORT

SNAP-IN LATCHES

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



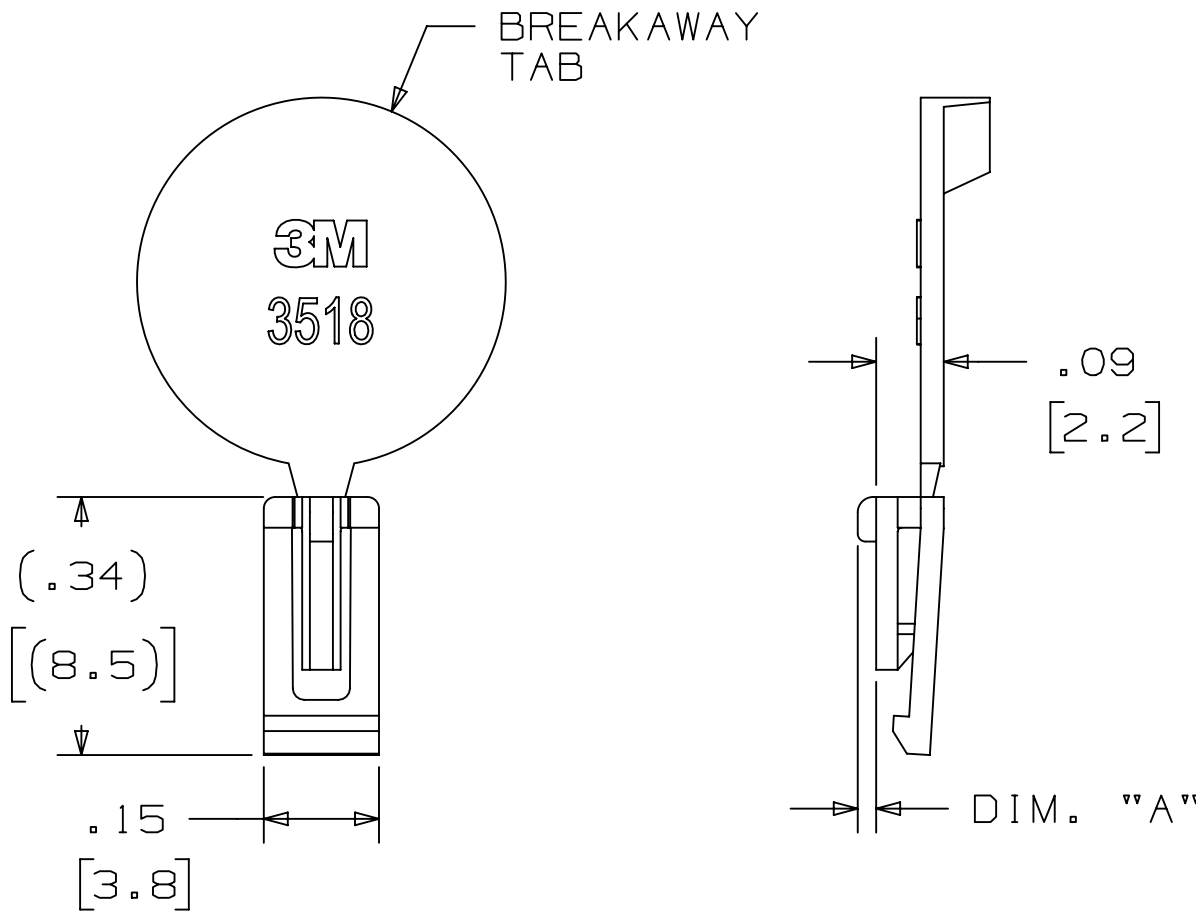
POLARIZING POST



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

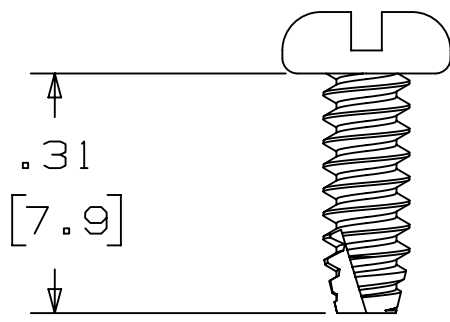
NOTE:
#2216 B/A SCOTCHWELD CAN BE USED TO ADHERE KEYS.

L	115955	MAY 08,2024	JNC	FJR
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

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THIRD ANGLE PROJECTION		INCHES ±.1 ±.01 ±.005 ±.0002		CAGE NUMBER D78-5100-0771-5		
MAX SURFACE ROUGHNESS ALL SURFACES MARKED ONLY		MILLIMETERS 0 ± 0 ± 0 ± 0 ±		REV. L		
		ANGLES ±		MODEL 3400		

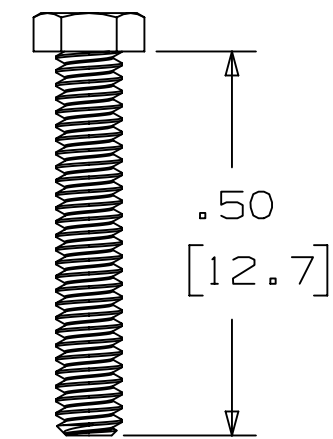
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.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

MOUNTING HARDWARE



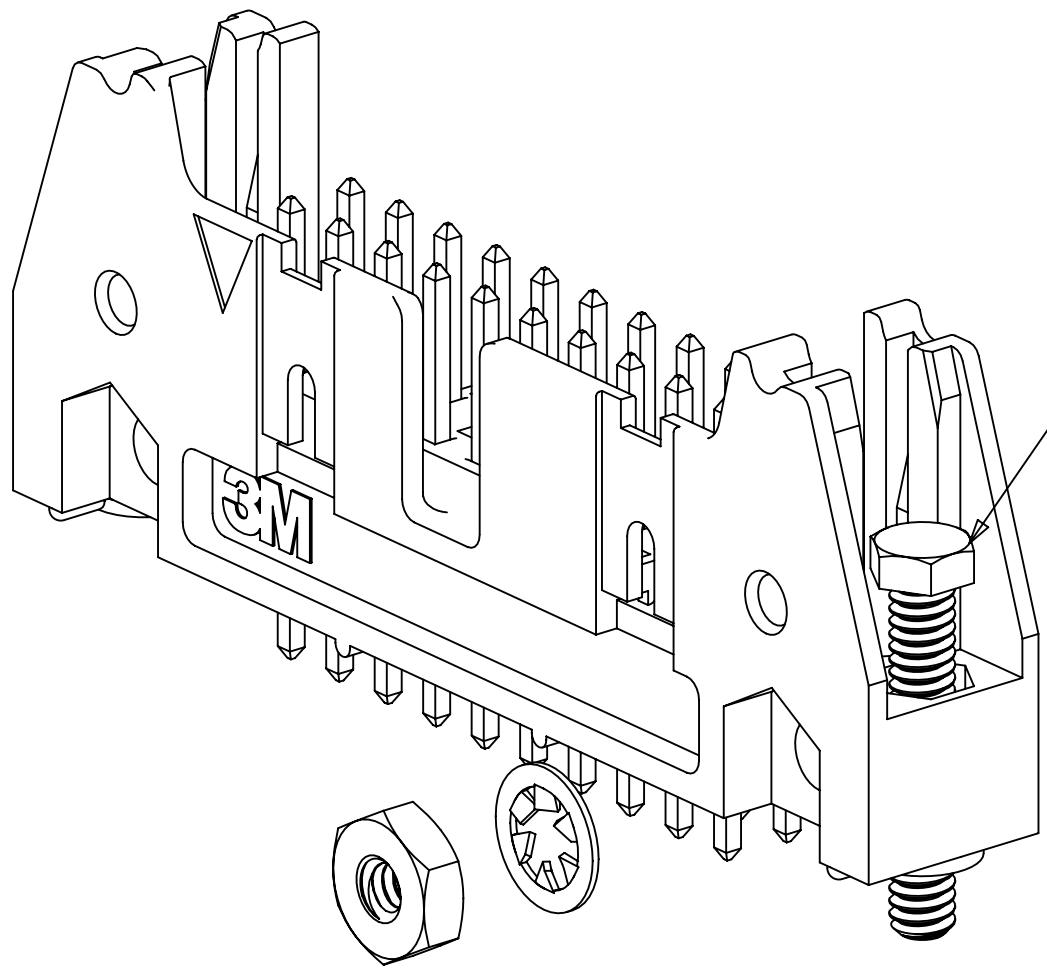
3341-5

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



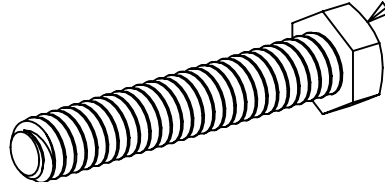
3341-6

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



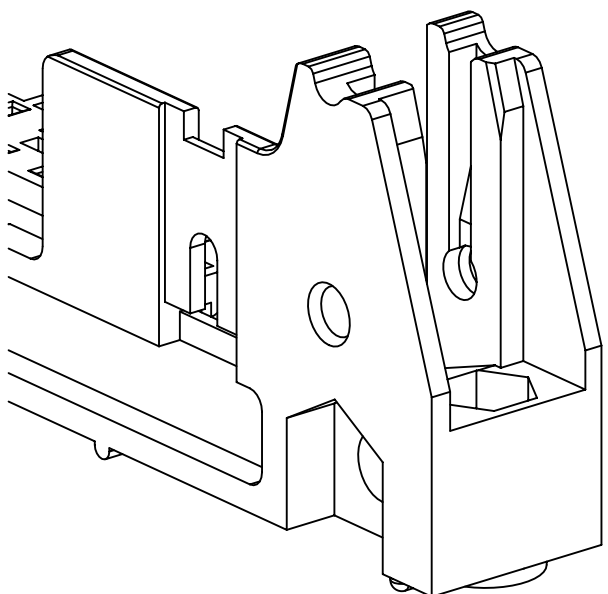
STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

RIGHT ANGLE VERSION INSTALL

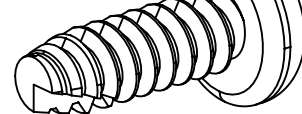


3341-6

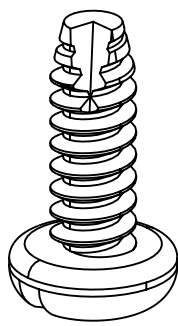
#2-56 NUT AND BOLT



#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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THIRD ANGLE PROJECTION		INCHES		0.0 ± .1		0.00 ± .01		0.000 ± .005	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		0 ± .1		0.00 ± .01		0.000 ± .005	
MAX SURFACE ROUGHNESS		ALL SURFACES		CAGE NUMBER		D78-5100-0771-5		REV.	
MARKED ONLY		ANGLES		MODEL		3400		DET	
								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	C	ASTIGLIONE	DATE	DATE
CHKD		DATE	APPRV	DATE
			R. SCHERER	SEP 05,2014
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THIRD ANGLE PROJECTION		INCHES		
INTERPRET PER ASME Y14.5 - 2018		.0	±.1	
MAX SURFACE ROUGHNESS		.00	±.01	
ALL SURFACES		.000	±.005	
MARKED ONLY		.0000	±.0002	
		MILLIMETERS		
		0	±	
		.0	±	
		.00	±	
		.000	±	
		ANGLES	±	
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D	78-5100-0771-5	L		
MODEL	3400	DET	LISTS	YES
		NO	SHT	5 OF 5