

.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

3M PART NUMBER:
(SEE TABLE 1)

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

PIN CONFIGURATION: _____
1 = RIGHT ANGLE SOLDER TAILS
2 = STRAIGHT SOLDER 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				DRFT CASTIGLIONE		DATE AUG 05, 2014		DATE	
CODES				CHKD		DATE		APPRV. R. SCHERER DATE SEP 05, 2014	
DIVISION				DIVISION CODE		© 3M COPYRIGHT 2024			
Interconnect Solutions				EMSD		3M St. Paul, MN 55144 This document and the information it contains are 3M property and may not be reproduced or further distributed without permission, or used in any way not disclosed otherwise for 3M authorized purposes. All rights reserved.			
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		INCHES		.00 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002		SIZE D 78-5100-0771-5			
THIRD ANGLE PROJECTION		MILLIMETERS		0 ± .00 ± .000 ± .000 ±		CAGE NUMBER		REV.	
INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS ✓ ALL SURFACES □ MARKED ONLY		ANGLE ± 3400		DET. LISTS		YES NO SHT 1 OF 5	

UL[®]
US
UL FILE NO: E68080

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

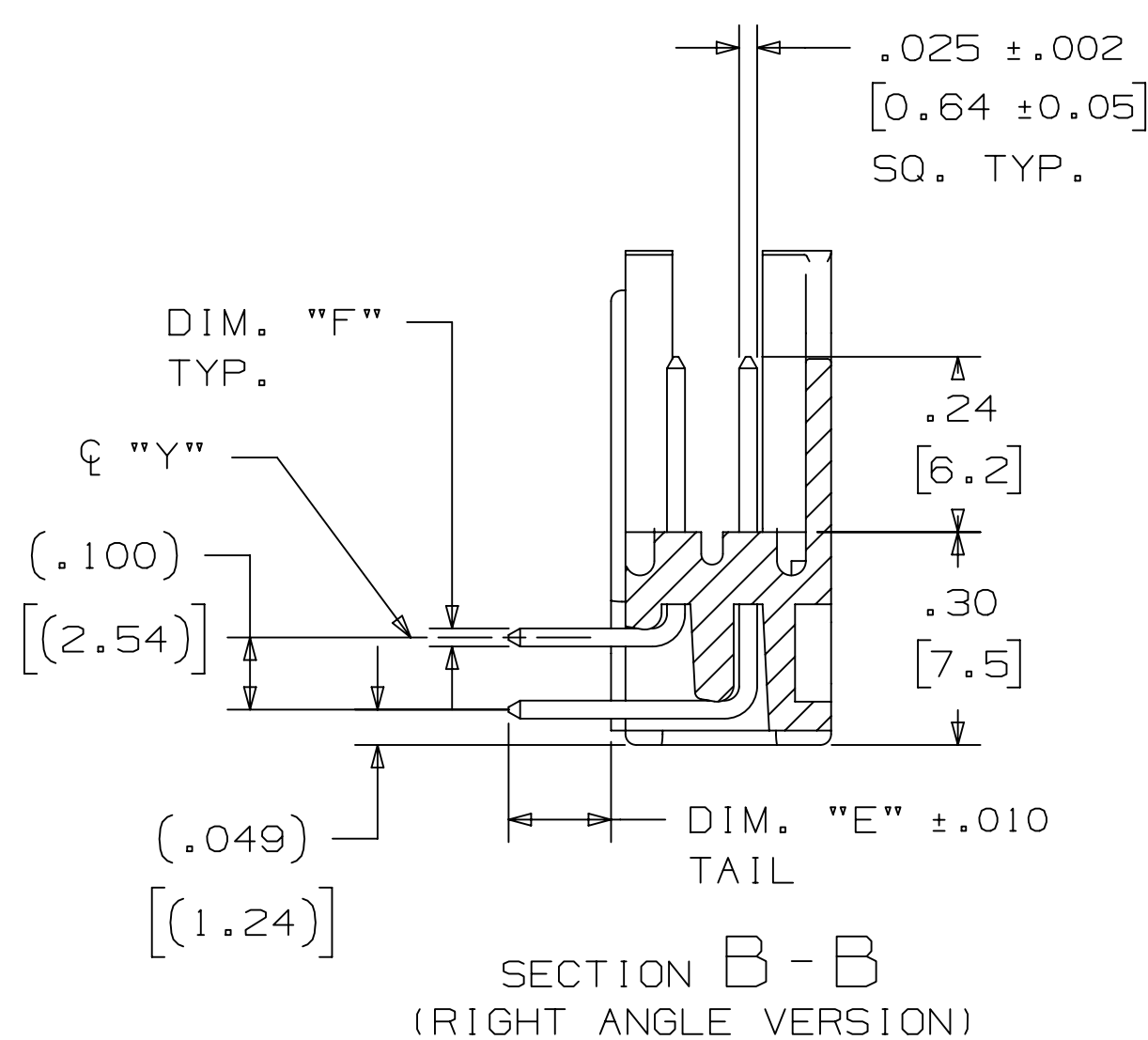
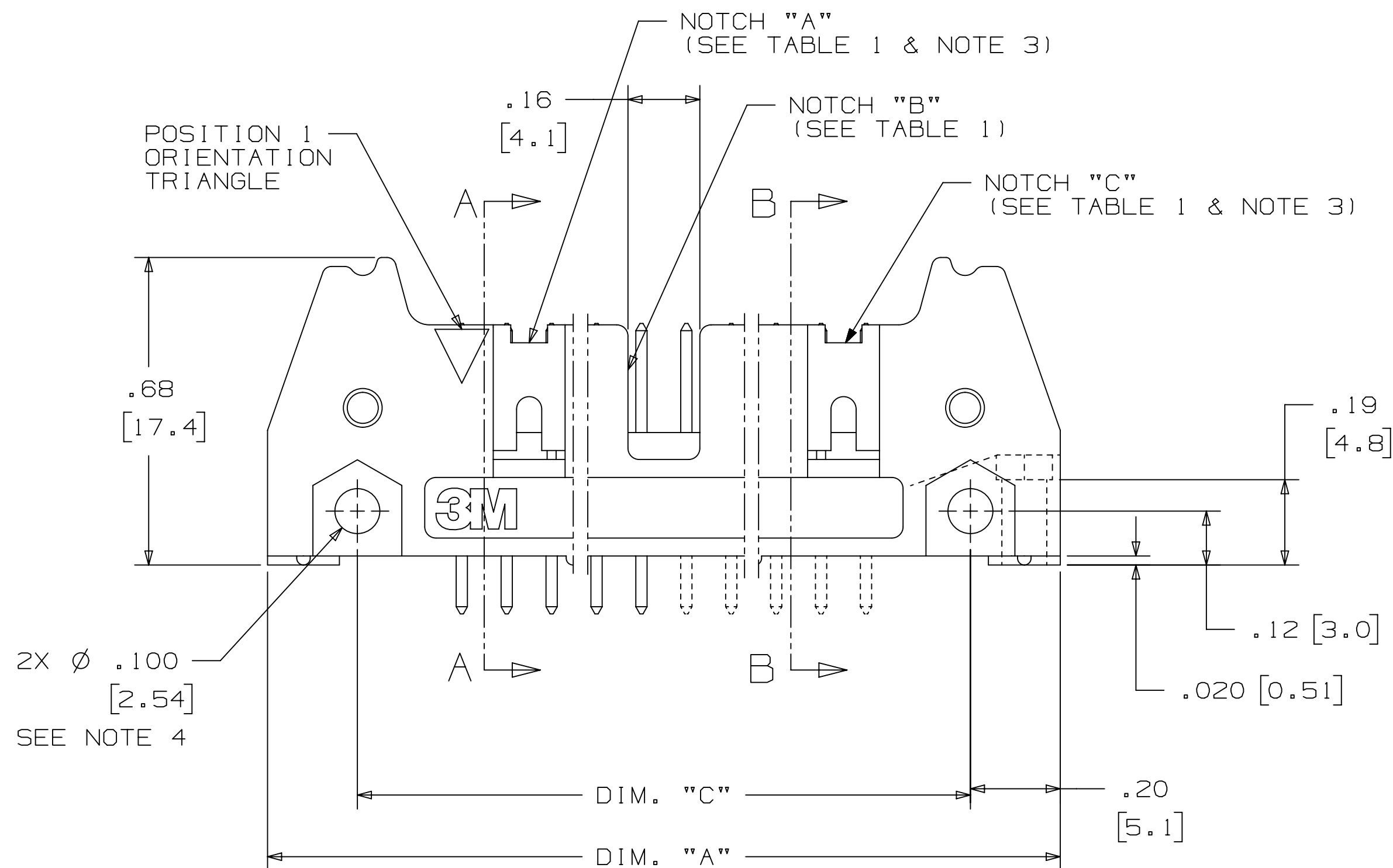
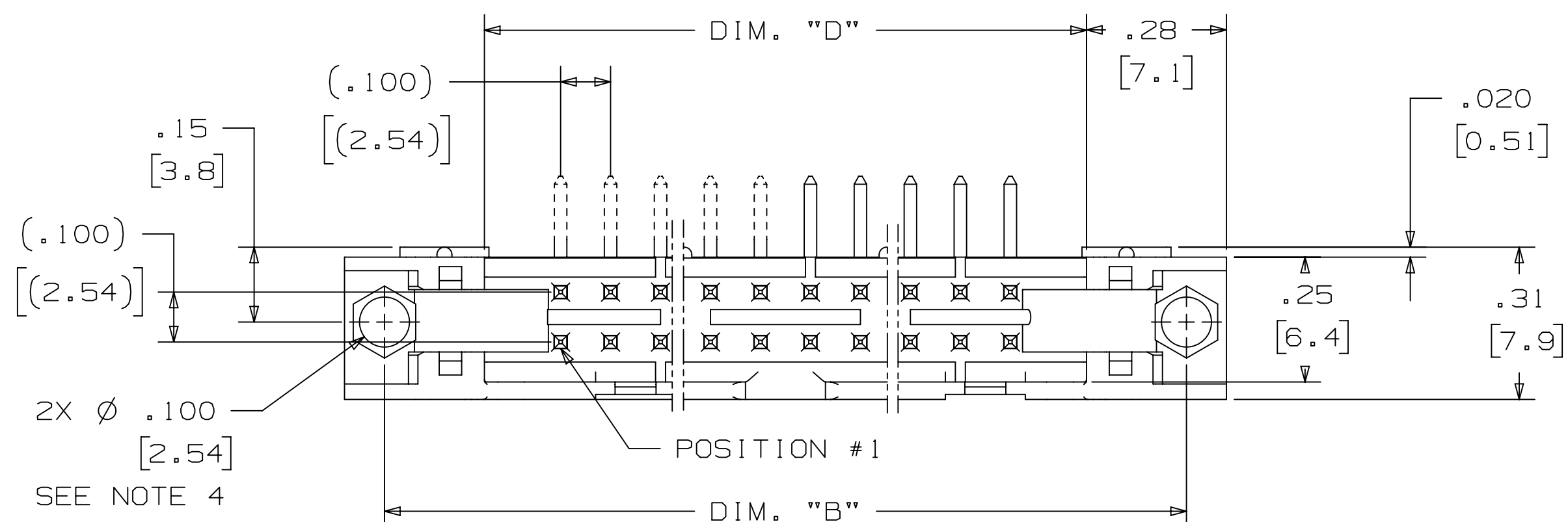
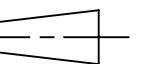


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20	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	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 CASTIGLIONE		DATE AUG 05, 2014	MFQ	DATE
CHKD		DATE	APPR R. SCHERER	DATE SEP 05, 2014

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ASSEMBLY CODES				DRFT CASTIGLIONE		DATE AUG 05, 2014		MFG		DATE	
				CHKD		DATE		APPR. R. SCHERER		DATE SEP 05, 2014	
DIVISION				DIVISION CODE							
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				INCHES .00 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA					
THIRD ANGLE PROJECTION				MILLIMETERS 0 ± .0 ± .00 ± .000 ±							
INTERPRET PER ASME Y14.5 - 2018				MAX SURFACE ROUGHNESS 		SIZE DRAWING NO. D 78-5100-0771-5		REV.		L	
☒ MARKED SURFACES ☐ UNMARKED SURFACES ☒ MARKED ONLY				ANGLES ±		MODEL 3400		DET. SETS ☒ YES ☒ NO		SHT 2 OF 5	

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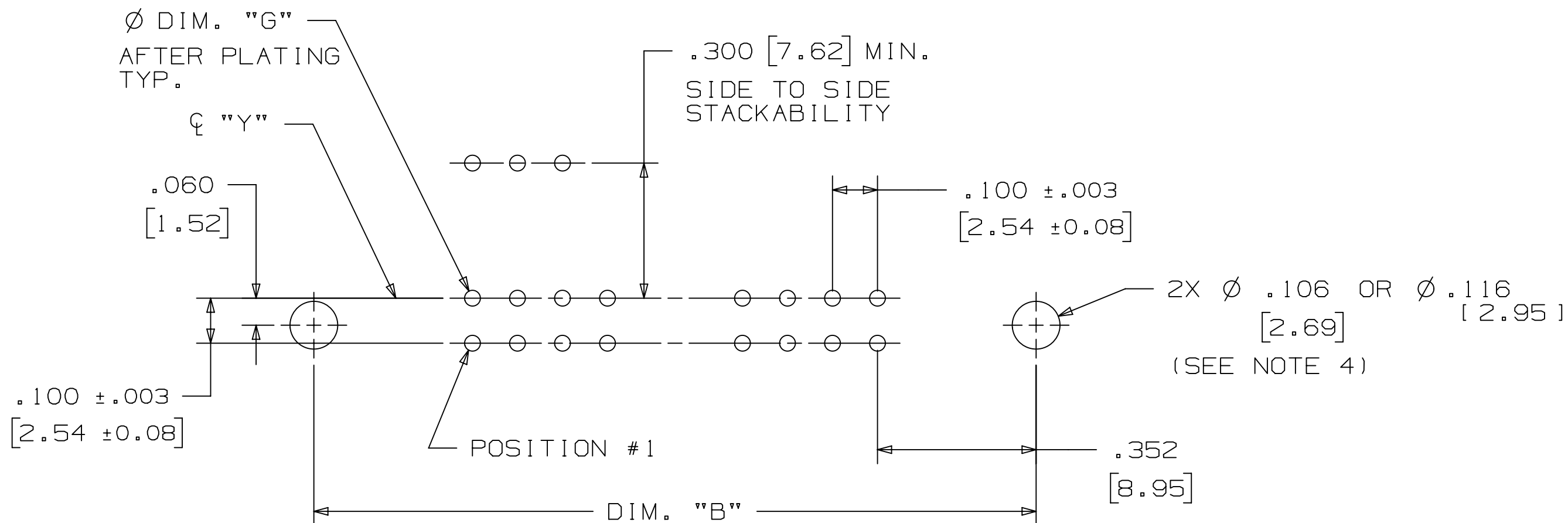
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MN 55144

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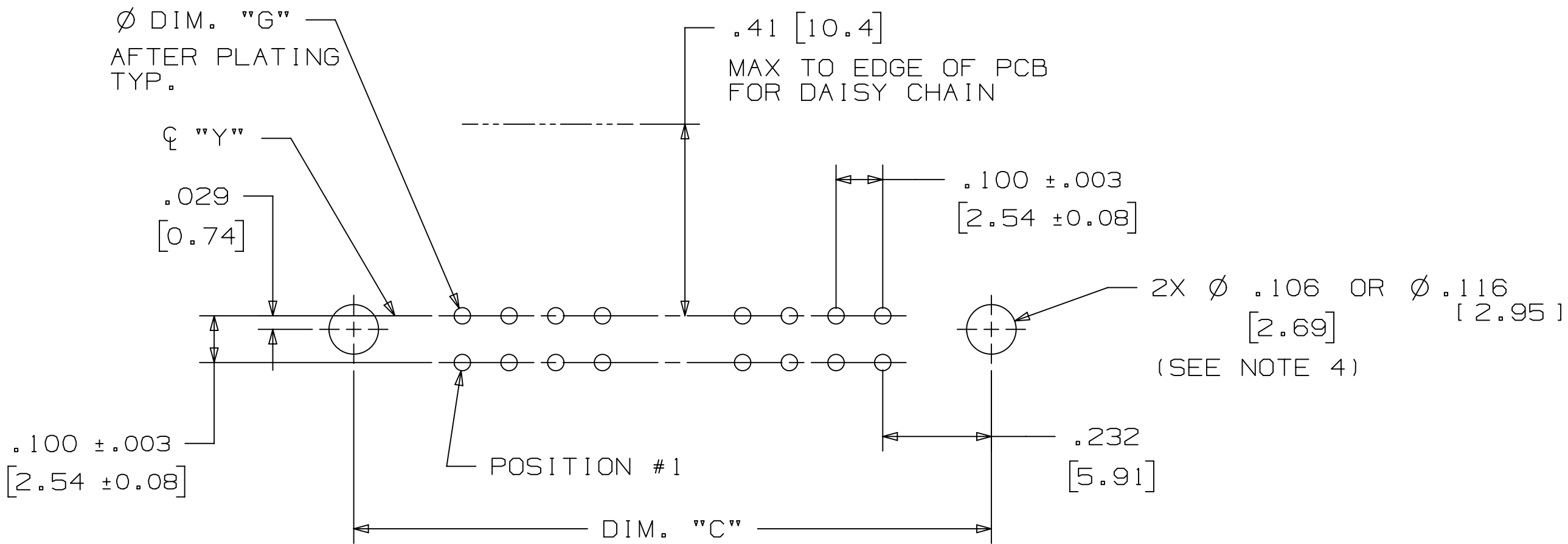
TITLE
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA

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

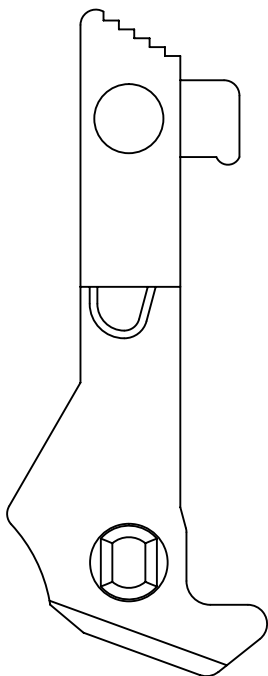
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

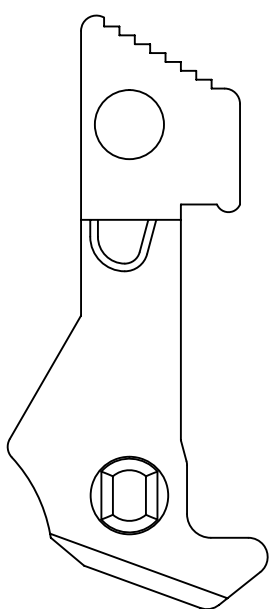
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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



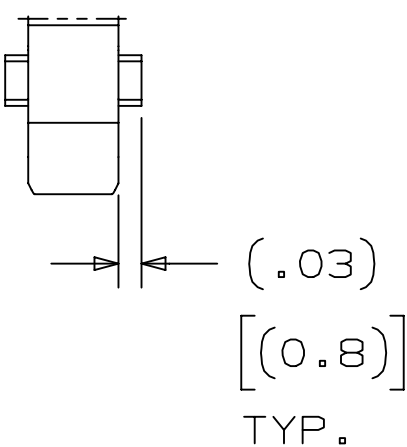
LONG



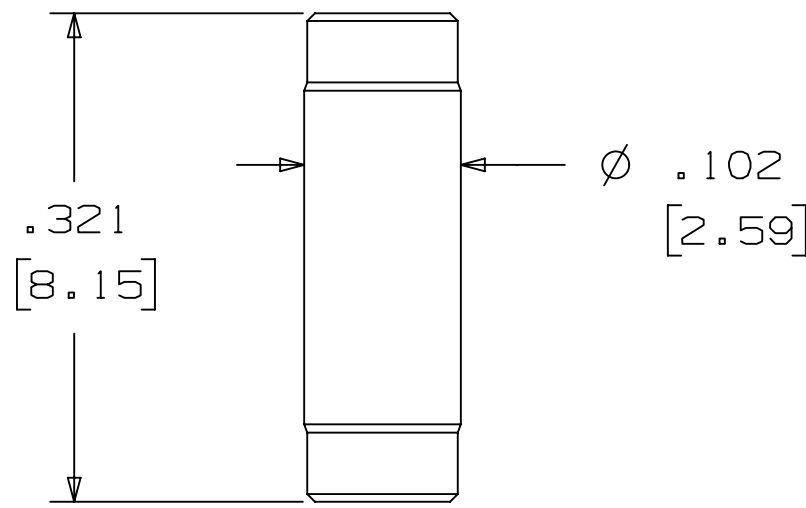
SHORT

SNAP-IN LATCHES

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



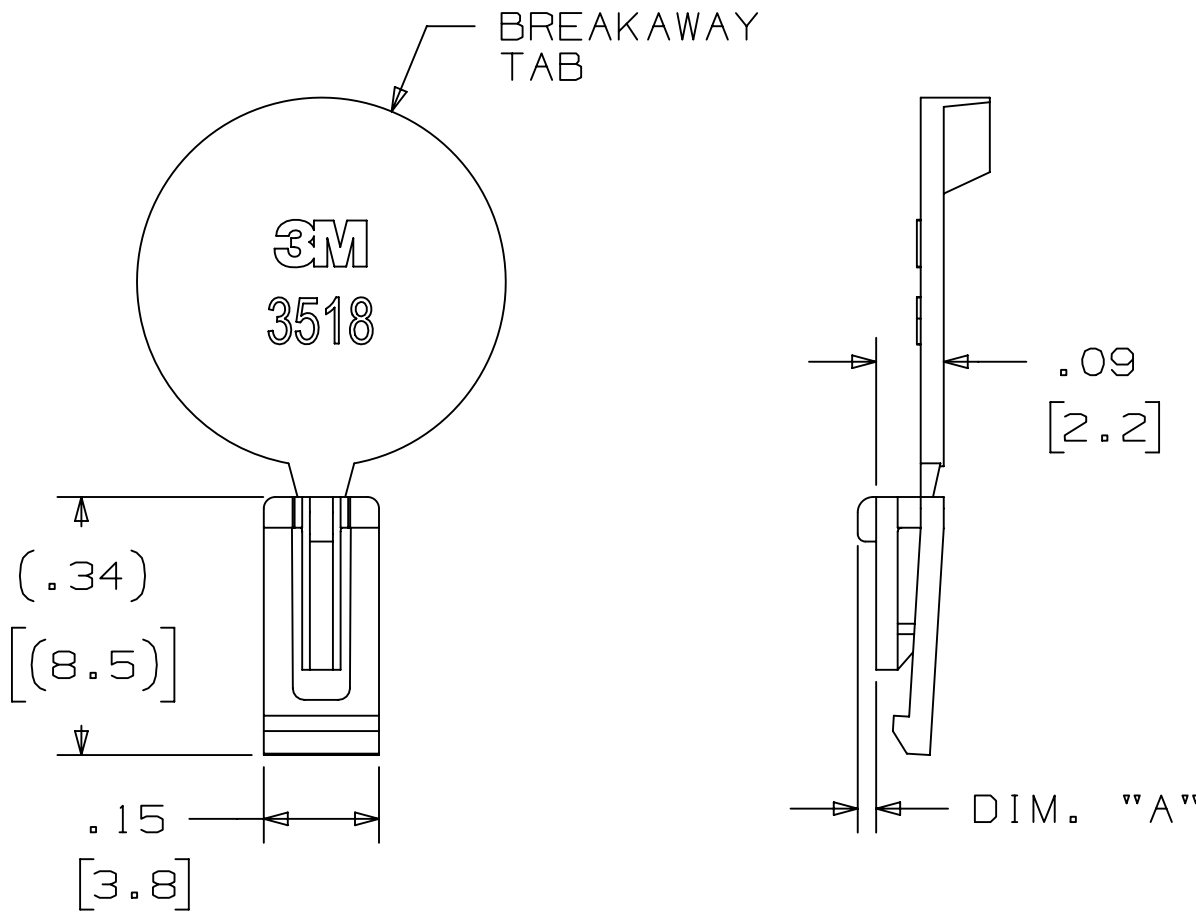
POLARIZING POST



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

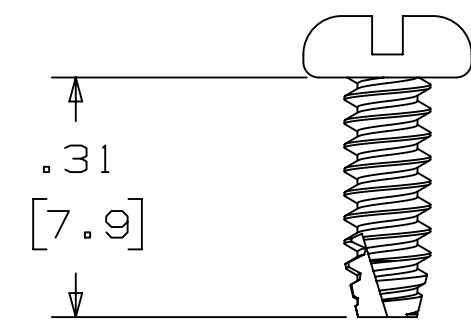
NOTE:
#2216 B/A SCOTCHWELD CAN BE USED TO ADHERE KEYS.

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT	CASTIGLIONE	DATE	AUG 05, 2014	MFG	DATE
				CHGD		DATE		APPR	DATE
								FL. SCHERER	SEP 05, 2014
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Interconnect Solutions		EMSD							
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		INCHES		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA					
THIRD ANGLE PROJECTION		.00 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0002							
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS							
MAX SURFACE ROUGHNESS		.00 ± .00 ± .000 ±							
☒ ALL SURFACES		ANGLES ±		CAGE NUMBER		SIZE		DRAWING NO.	
☒ MARKED ONLY				D		78-5100-0771-5		REV. L	
				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

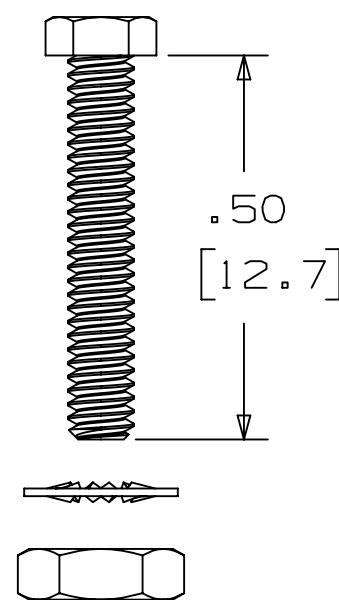
(INSTALL FROM BOTTOM OF BOARD)

PANHEAD THREAD CUTTING SCREW:

#4-24 X 5/16"

TYPE: USA STD BT, FEDERAL BG
MATERIAL: STAINLESS STEEL

MATERIAL: STAINLESS STEEL

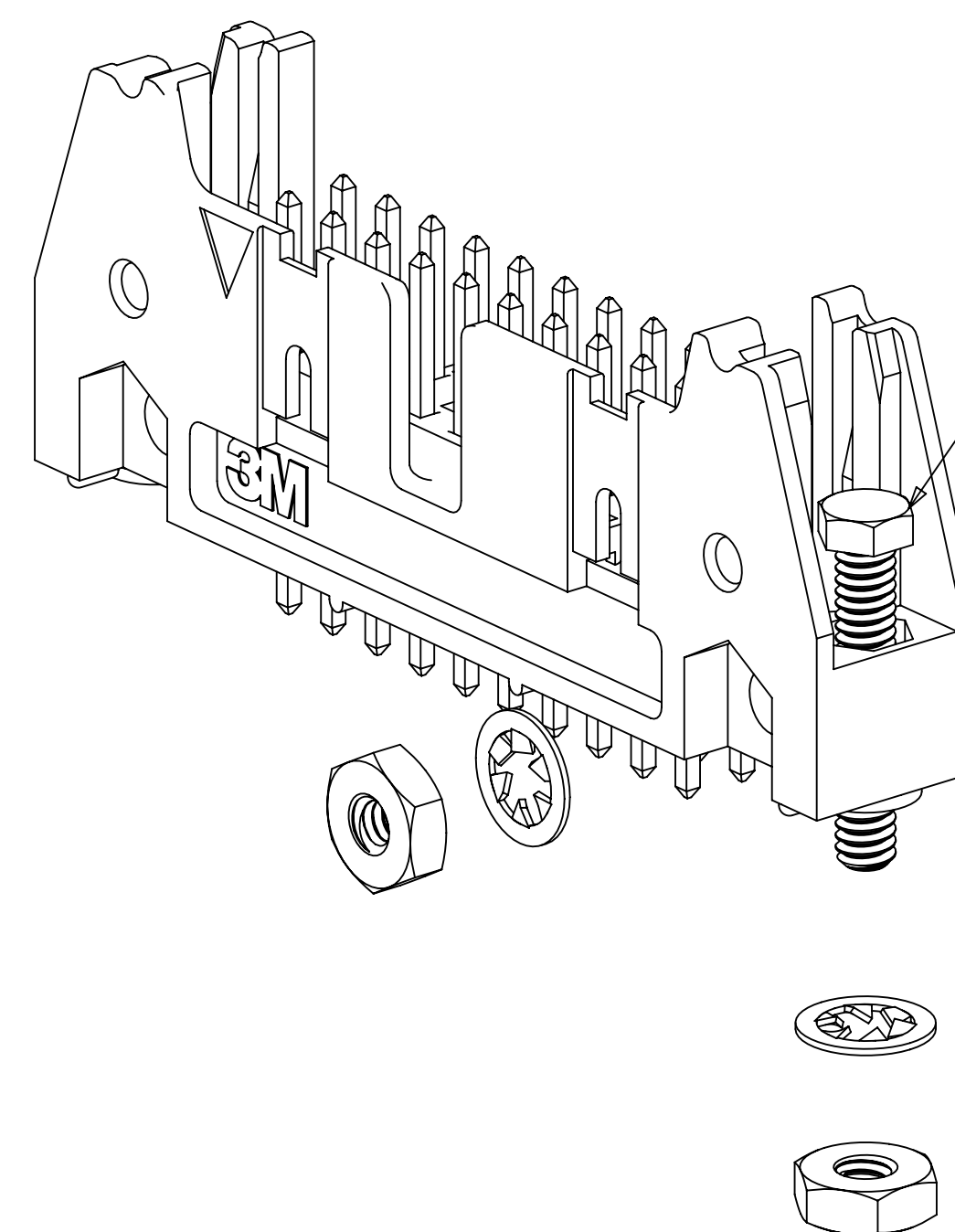


3341-6

HEX HEAD BOLT, NUT AND WASHER:

BOLT - #2-56 X 1/2"

MATERIAL: STAINLESS STEEL

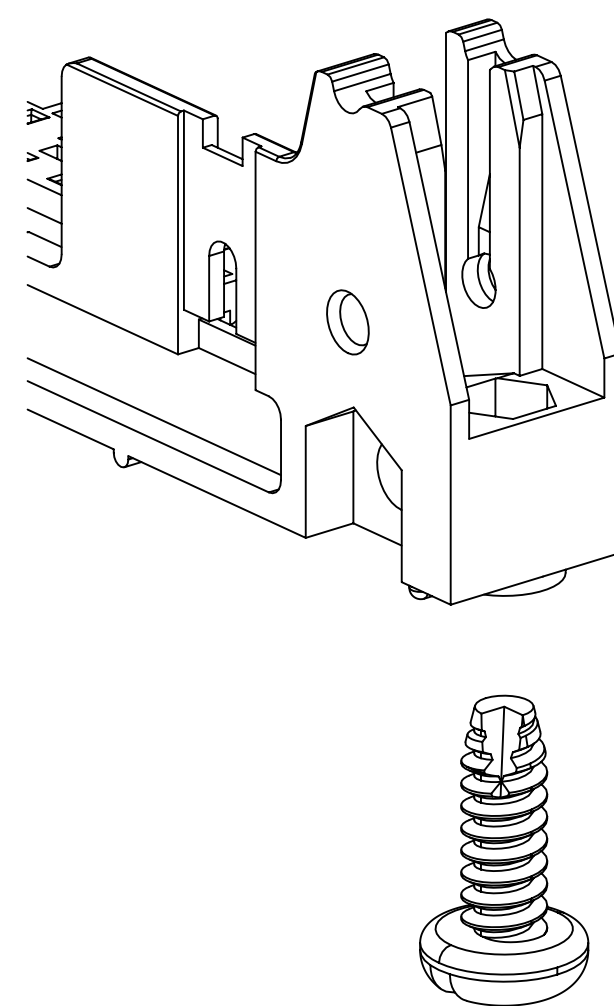


— STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

— RIGHT ANGLE VERSION INSTALL

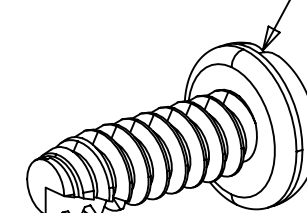
3341-6

#2-56 NUT AND BOLT

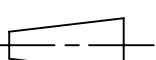


3341-5

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



L	115955	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 CHKD		DATE AUG 05, 2014	APPR SCHERER	DATE SEP 05, 2014

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ASSEMBLY CODES				REV		CAST		IGL		ONE		DATE	
								AUG 05, 2014		APR		DATE	
								DATE		APPR		DATE	
										R. SCHERER		SEP 05, 2014	
DIVISION				DIVISION CODE									
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				INCHES .0 .00 .000 .0000		.1 .01 .005 .0002		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA					
THIRD ANGLE PROJECTION				MILLIMETERS									
INTERPRET PER ASME Y14.5 - 2018				.0 .00 .000									
MAX SURFACE ROUGHNESS 				.0 .00 .000				CASE NUMBER D		SIZE 78-5100-0771-5		REV. L	
☐ ALL SURFACES ☒ MARKED ONLY				ANGLES .1 .01 .005				MODEL 3400		DET. LISTS YES ☐ NO ☒		SHT 4 OF 5	

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

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THIRD ANGLE PROJECTION		INCHES .0 ±.01 .000 ±.005 .0000 ±.0002	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± .0 ± .00 ± 600 ±	
MAX. SURFACE ROUGHNESS ALL SURFACES ✓ MARKED ONLY		CAGE NUMBER SIZE DRAWING NO. REV.	
		MODEL 3400	
		DET. LISTS	
		YES NO	
		SHT 5 OF 5	