

.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

UL[®]
US
UL FILE NO: E68080

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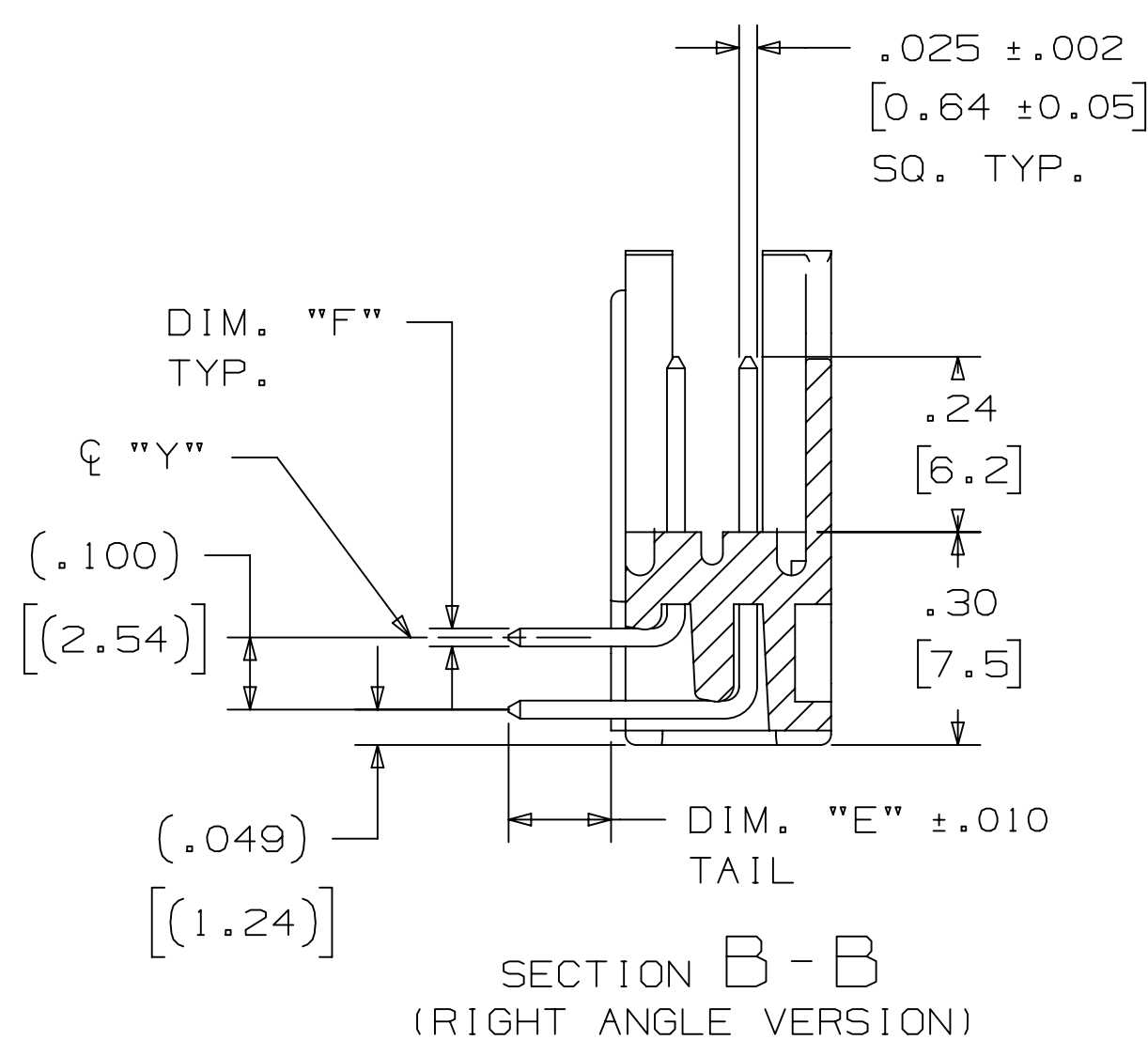
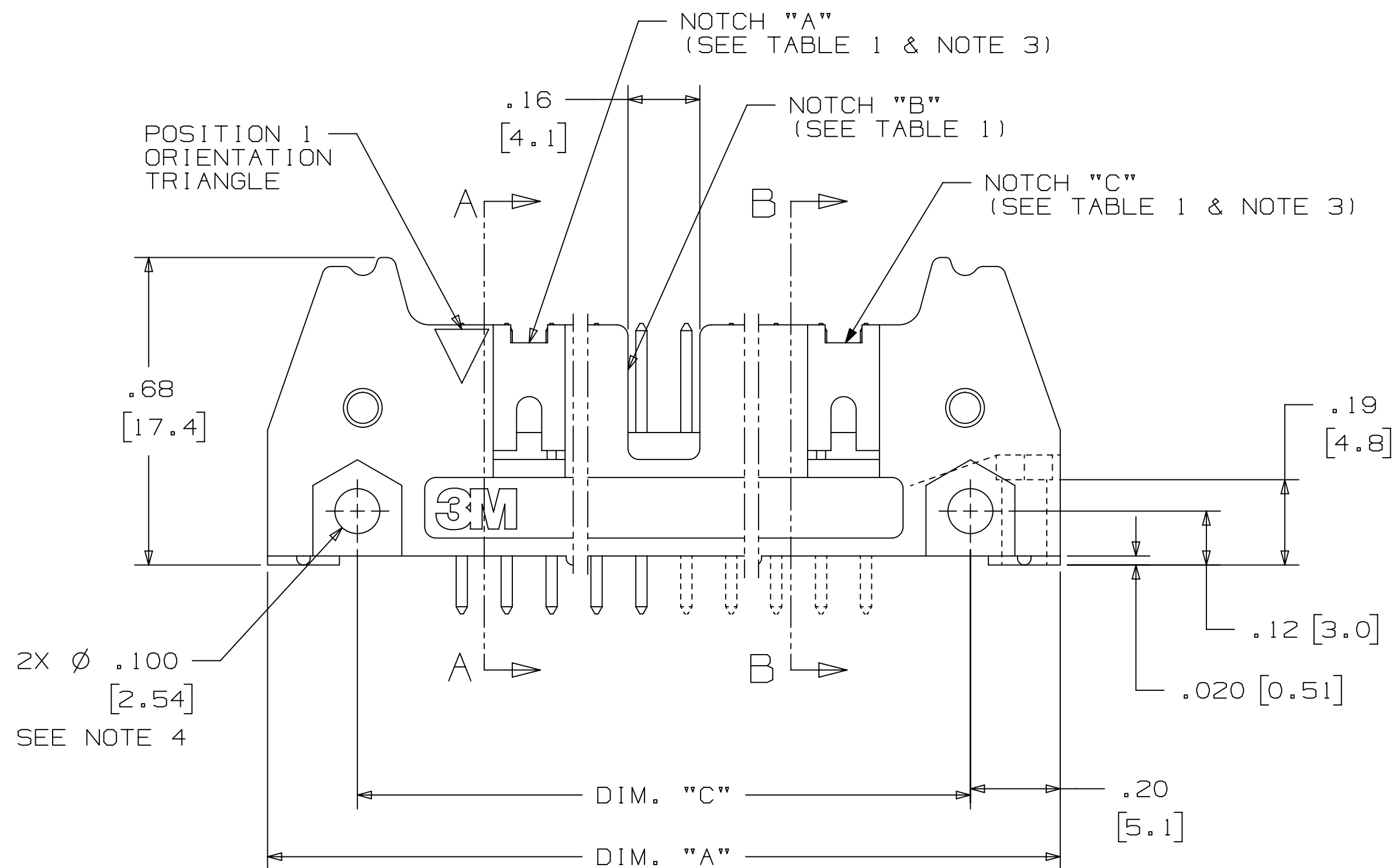
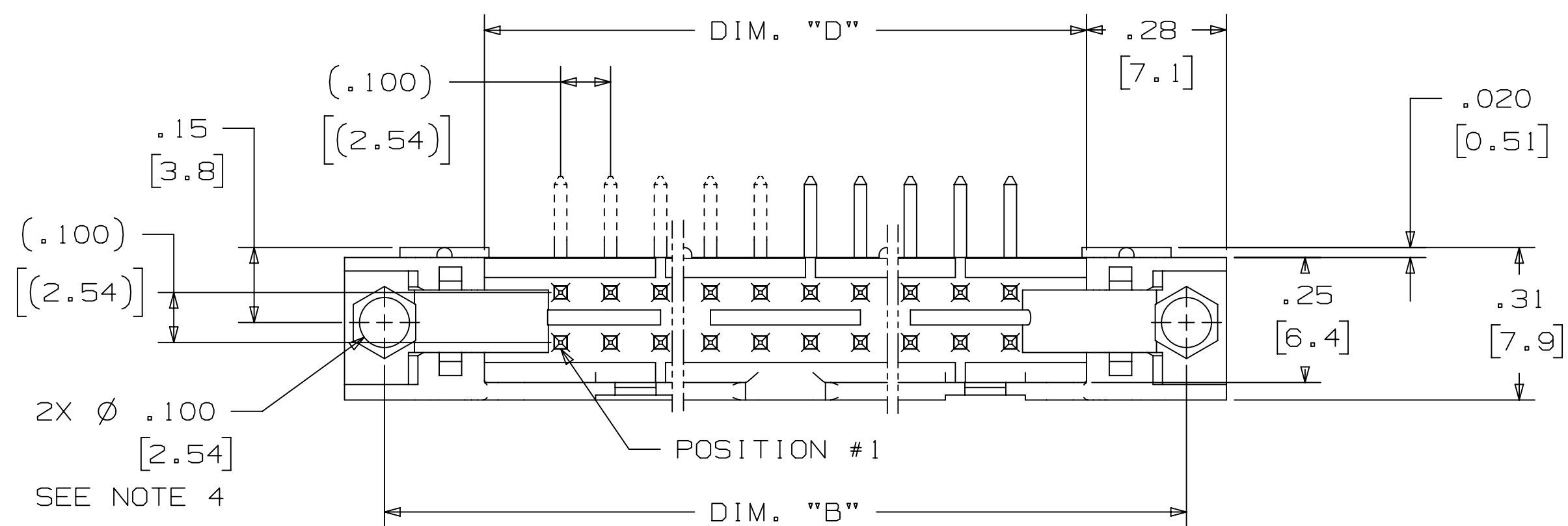


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20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

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	TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA	
CAGE NUMBER	D12 DRAWING NO. 78-5100-0771-5	REV. L
MODEL 3400	DET LISTS ☐ YES ☒ NO SHT 2 OF 5	

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ADDRESS CODES			
Division Interconnect Solutions		Division CODE EMISE	
DO NOT SCALE DRAWING  SCALE		TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES .00 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0002	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS .0 ± .1 .0 ± .01 .000 ± .005 .000 ± .002	
MAX. SURFACE ROUGHNESS ☒ ALL SURFACES ☐ MARKED ONLY		ANGLES ±	

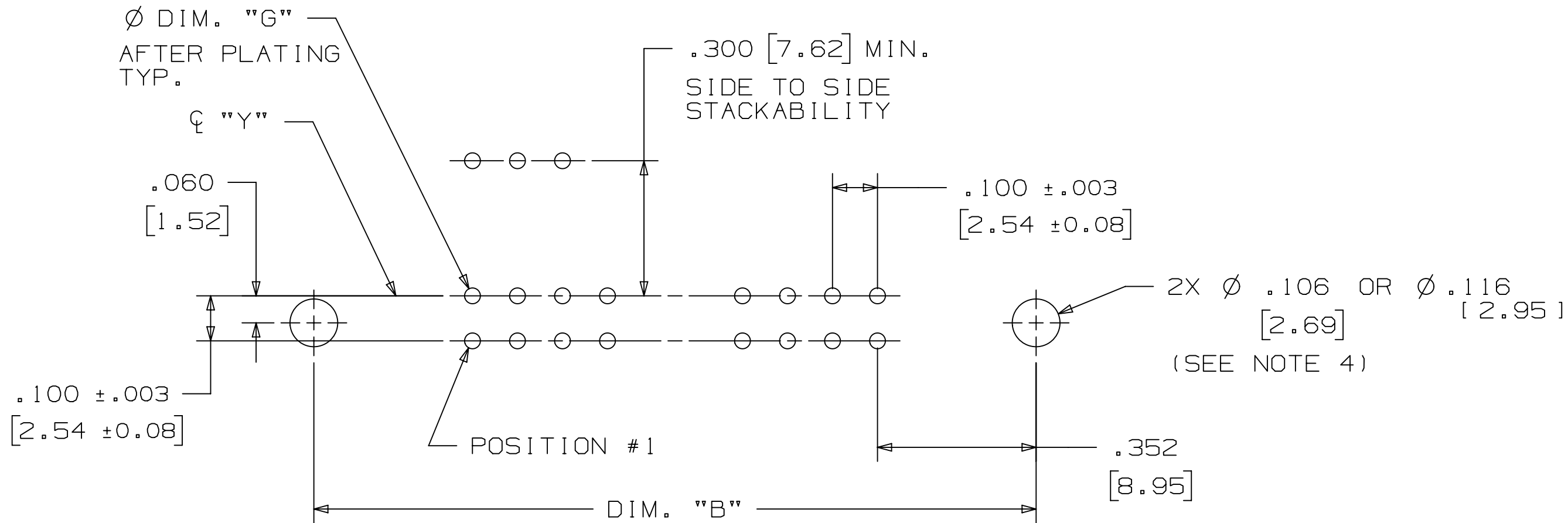
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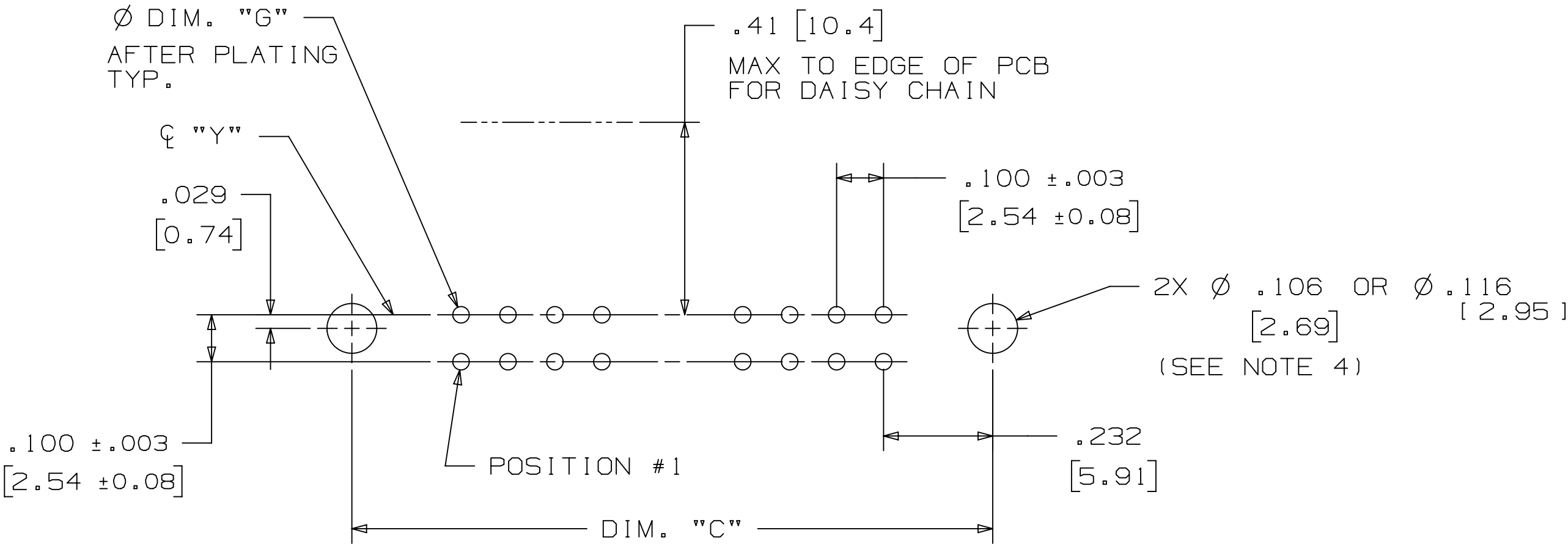
TITLE
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA

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

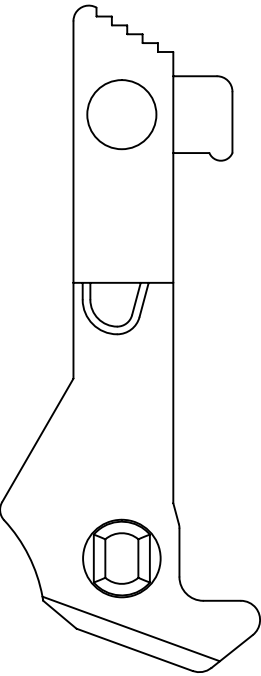
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

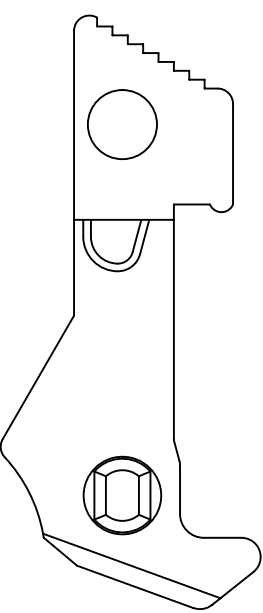
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

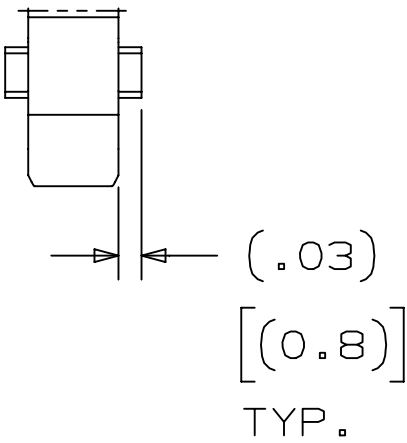


LONG



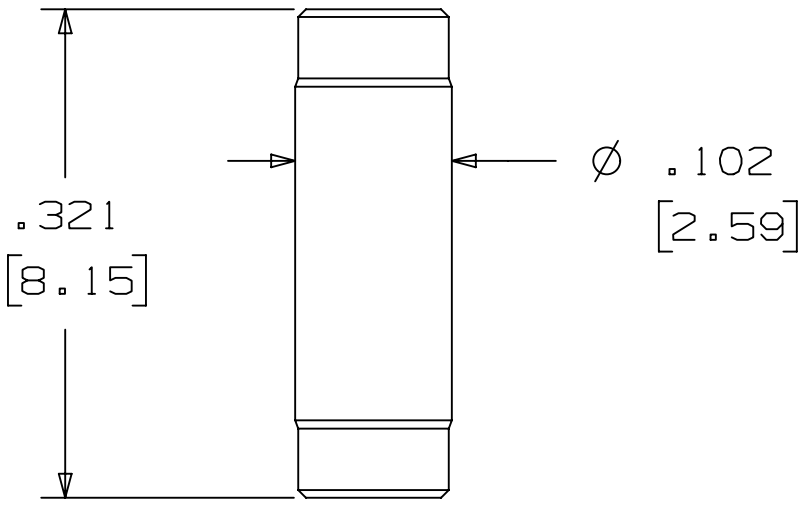
SHORT

SNAP-IN LATCHES



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

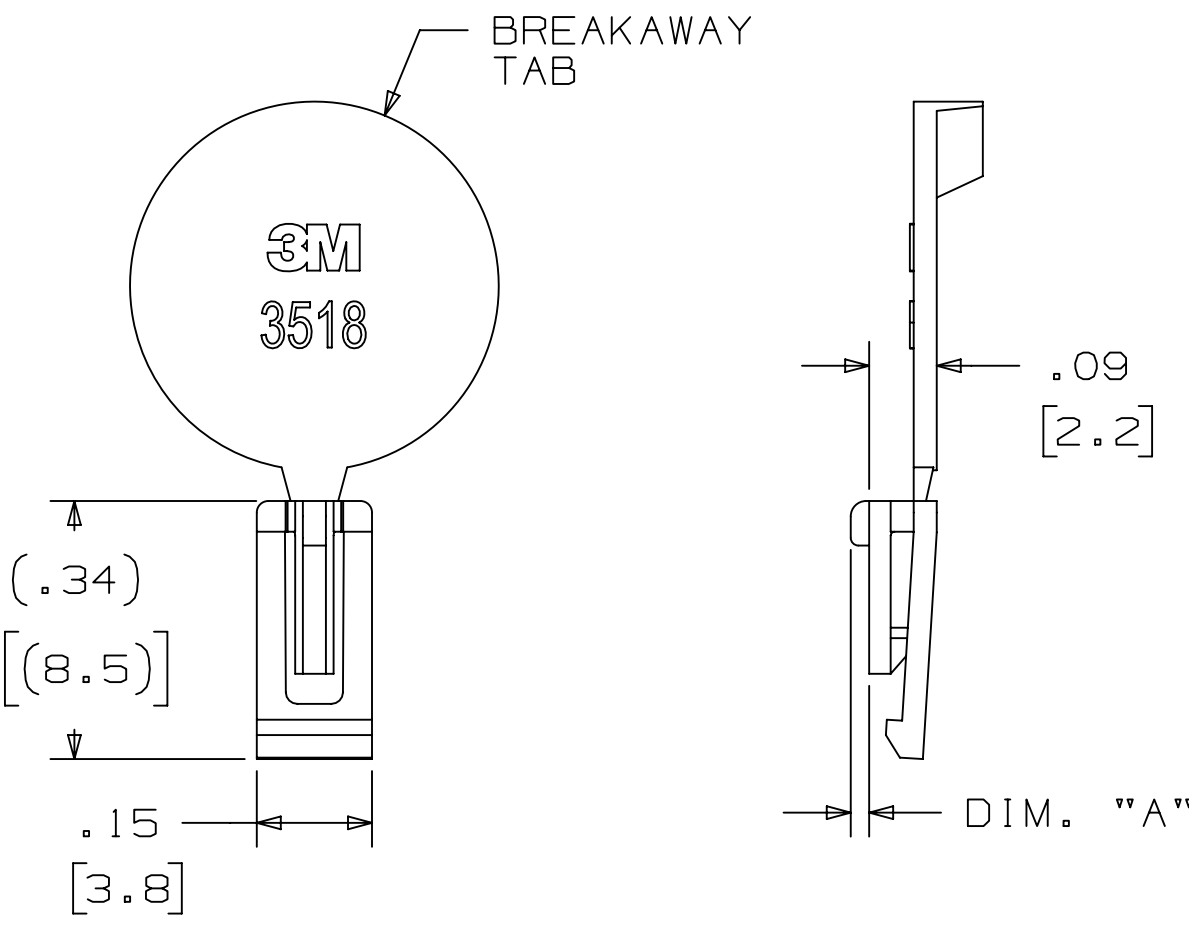
POLARIZING POST



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.

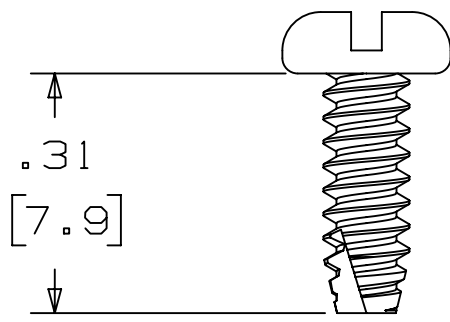
L	115955	MAY 08,2024	JNC	FJR
K	97909	JUN 22,2021	JNC	SAN
J	93619	JAN 07,2021	JNC	SAN
H	60056	MAR 06,2015	JNC	RS
G	56068	AUG 05,2014	JNC	RS

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	1	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	2	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	3	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	4	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	5	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	6	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	7	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	8	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	9	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	10	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	11	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	12	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	13	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	14	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	15	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	16	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	17	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	18	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
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XXXXXX	XXXXXX	20	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD

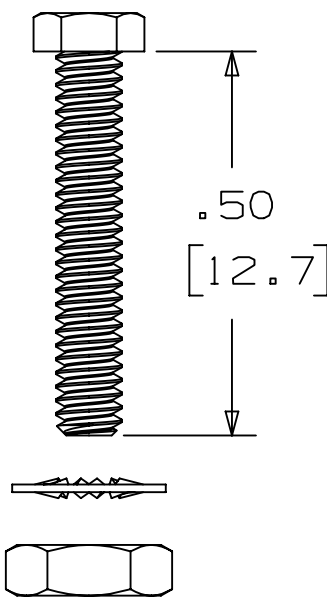
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TITLE	HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA	
CAGE NUMBER	D78-5100-0771-5	REV. L
MODEL	3400	DET [] YES [] NO SHT 3 OF 5

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

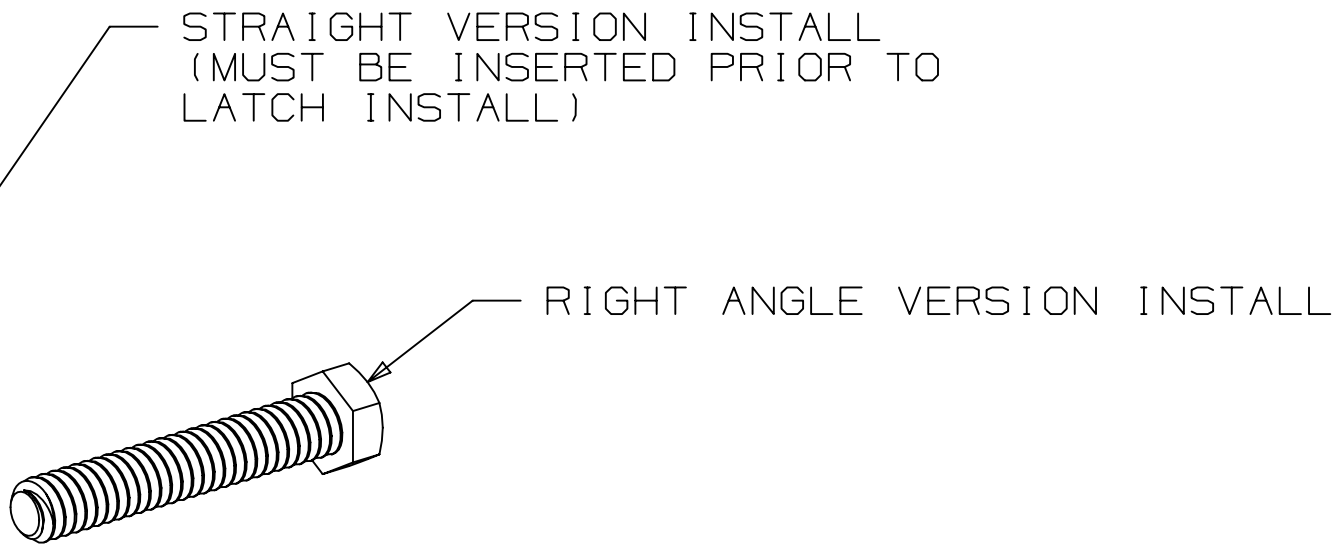
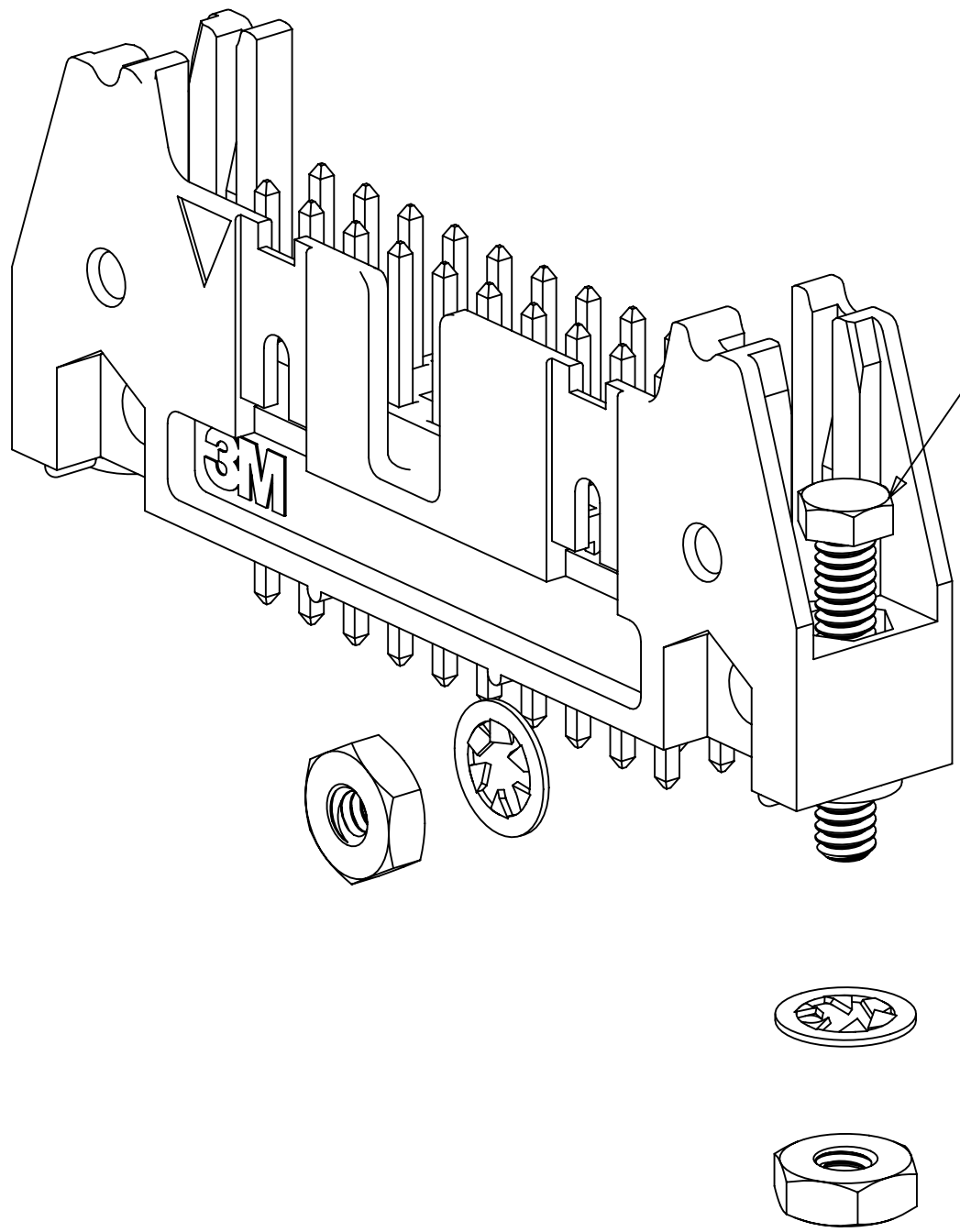
MOUNTING HARDWARE



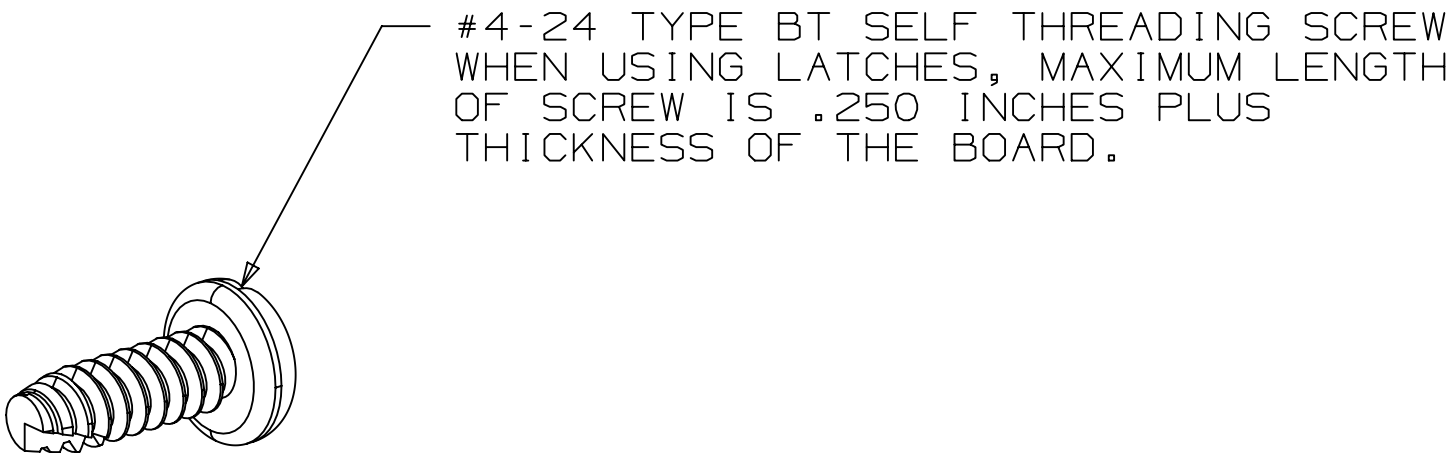
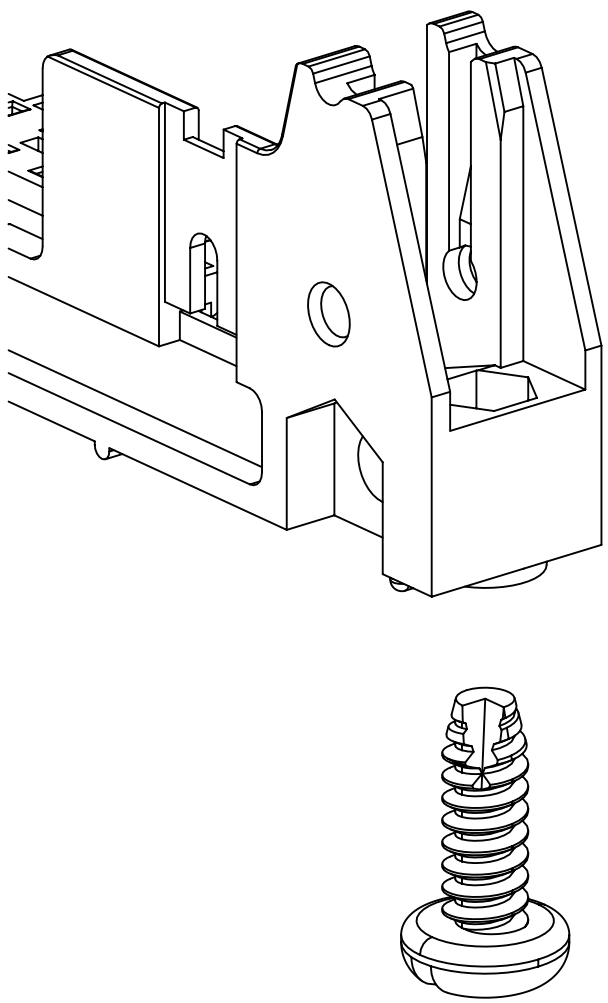
3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL B6
MATERIAL: STAINLESS STEEL



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



3341-6
#2-56 NUT AND BOLT



3341-5

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				CHKD		DATE		APPR.		DATE	
						AUG 05, 2014		R. SCHERER		SEP 05, 2014	
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		INCHES		.00 ± .01							
		.000 ± .005		.0000 ± .0002							
THIRD ANGLE PROJECTION		MILLIMETERS		0 ± .005							
INTERPRET PER ASME Y14.5 - 2018		0 ± .000									
MAX SURFACE ROUGHNESS		.00 ± .000									
☒ ALL SURFACES		.00 ± .000									
☒ MARKED ONLY		ANGLES		CAGE NUMBER		SIZE		DRAWING NO.		REV.	
				D78-5100-0771-5		L					
				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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DRFT	CASTIGLIONE	DATE AUG 05,2014	MFG	DATE
CHKD		DATE	APPRV	DATE
			R. SCHERER	SEP 05,2014
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DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		
		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 D78-5100-0771-5		
		SIZE 3400		
		DRAWING NO. D78-5100-0771-5		
		REV. L		
		DET LISTS ☐ YES ☒ NO		
		SHT 5 OF 5		