

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

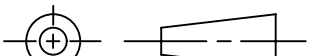
LATCH/EJECTOR SYSTEM:

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

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 Interconnect Solutions				DIVISION CODE EMSD		© 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.			
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED		3M St. Paul, MN 55144			
		THIRD ANGLE PROJECTION		INCHES .00 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0002		MILLIMETERS 0 ± .01 .000 ± .000 ±		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA	
INTERPRET PER ASME Y14.5 - 2018		~~MAX SURFACE ROUGHNESS~~ ~~ALL SURFACES~~ ✓ ☐ MARKED ONLY				CAGE NUMBER D 78-5100-0771-5		REV. L	
				ANGLES ±		MODEL 3400		DET. LISTS ☒ YES ☐ NO SHT 1 OF 5	

UL[®]
US
UL FILE NO: E68080

3M™ THREE-WALL HEADER, 3000 SERIES

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

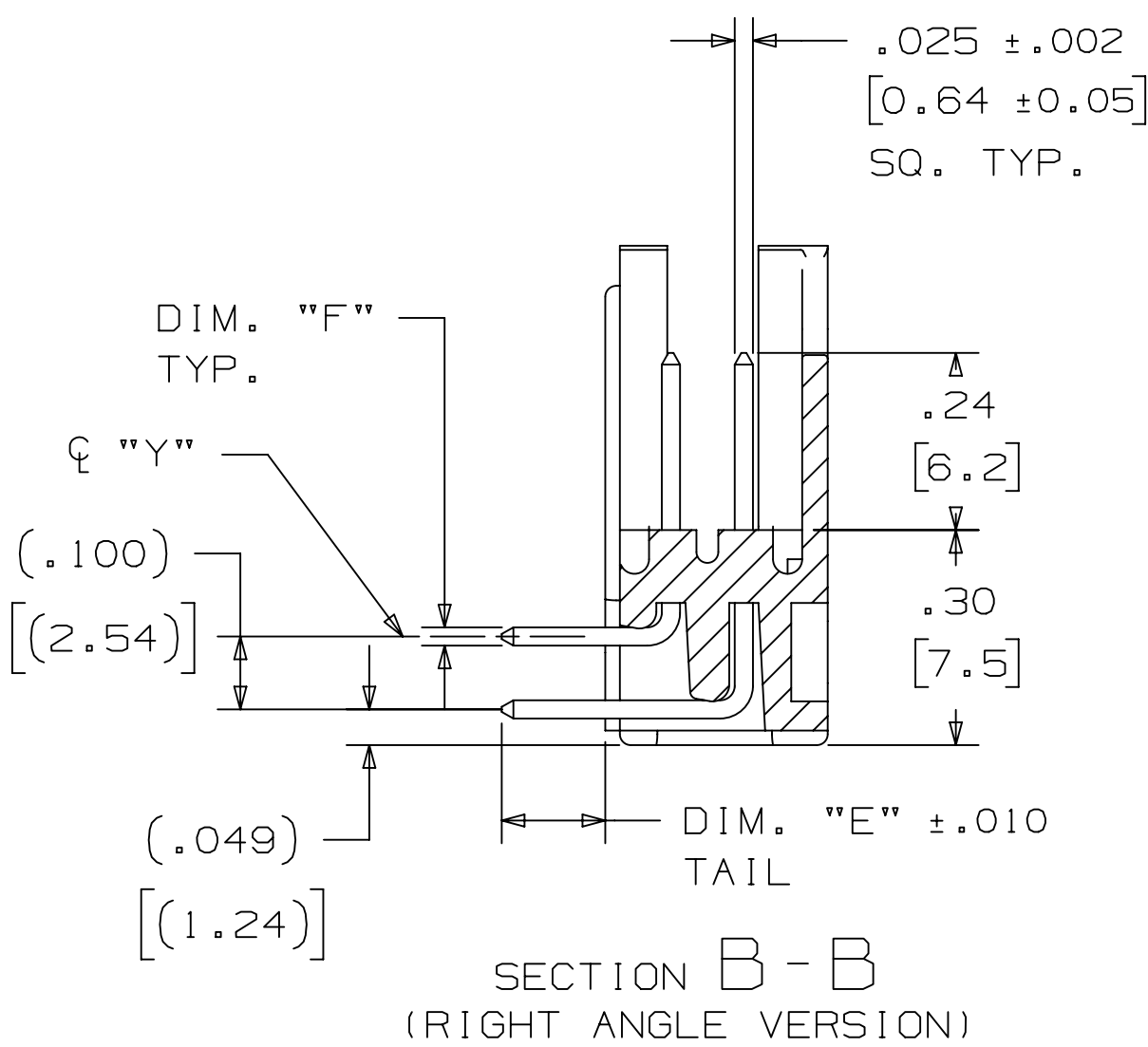
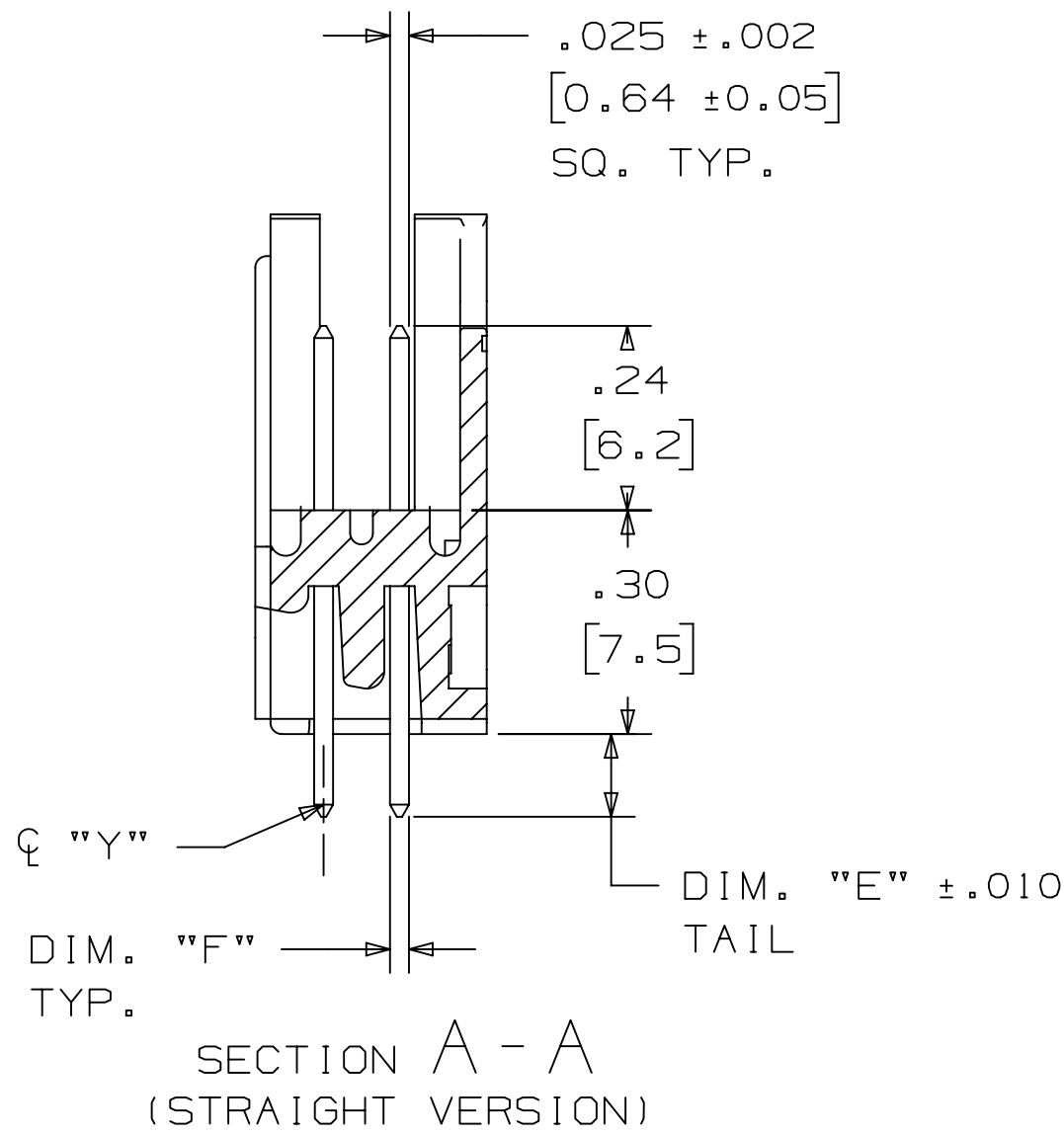
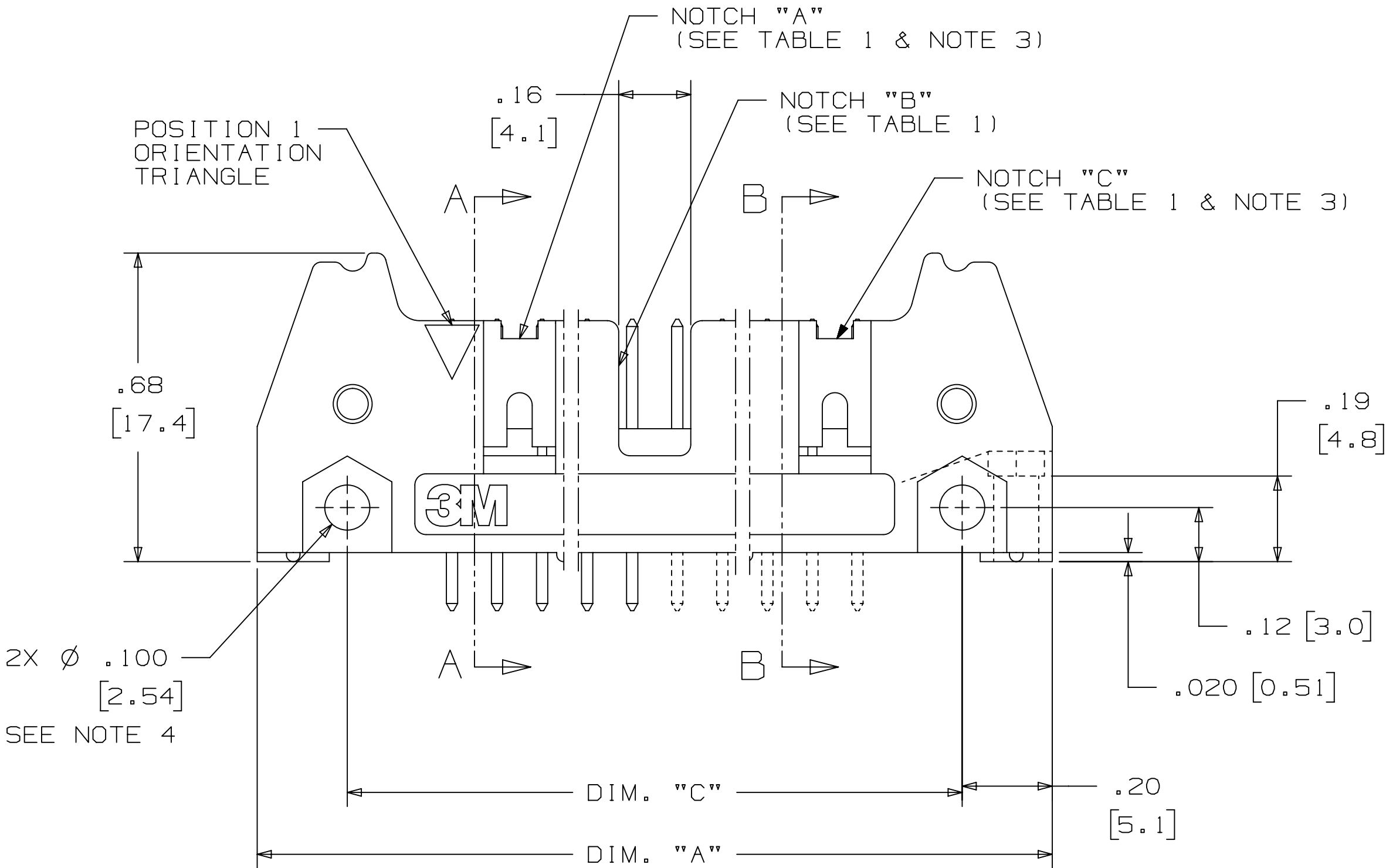
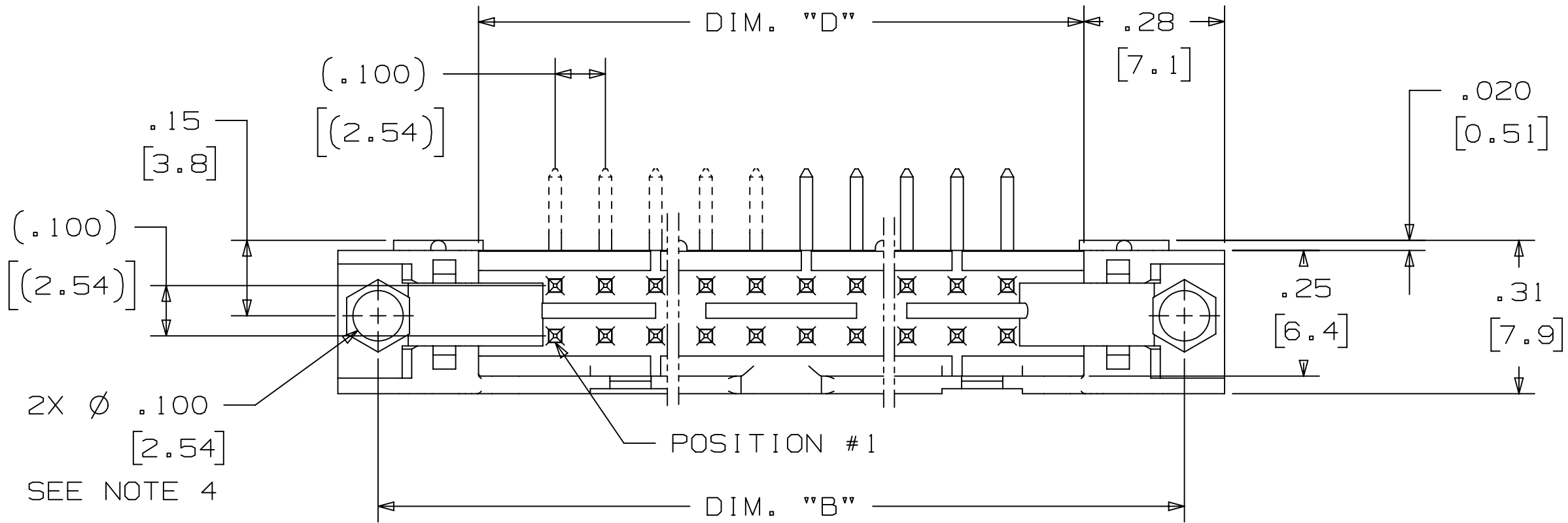


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20	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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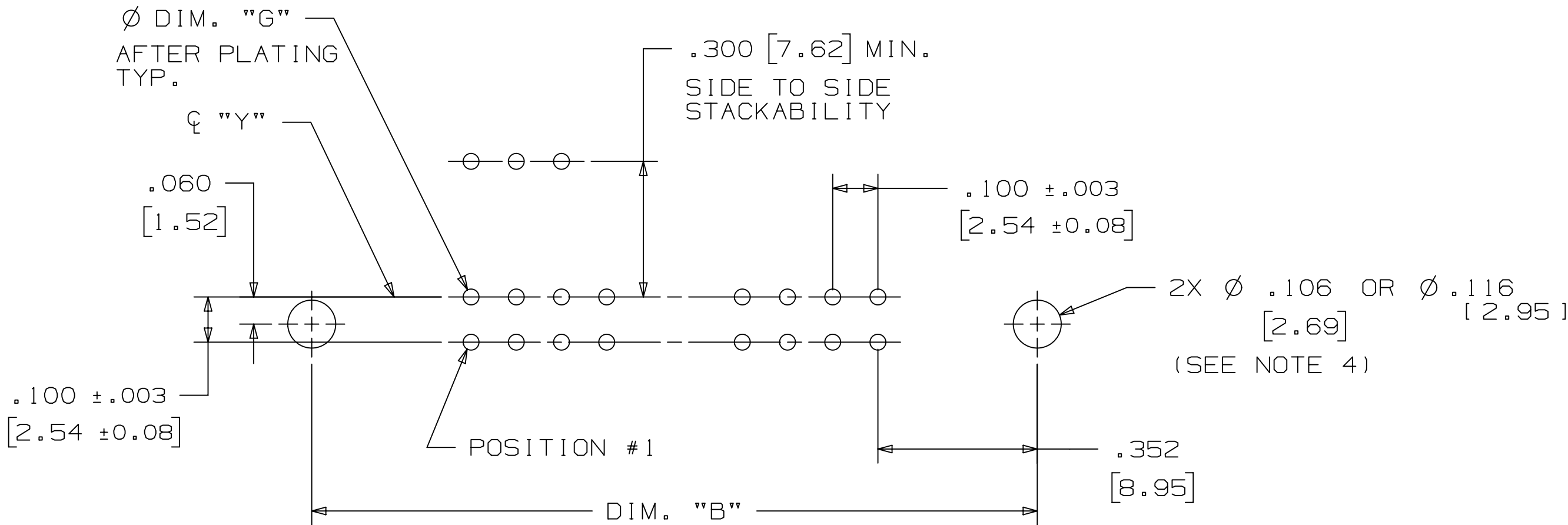
DESIGN REFERENCE		NEXT ASSEMBLY	
DRG CODES		DRG CODES	
DIVISION Interconnect Solutions		DIVISION CODE EMSD	
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ±.0 .00 ±.005 .000 ±.0002	
MAX. SURFACE ROUGHNESS		CAGE NUMBER	
ALL SURFACES MARKED ONLY		DRAWING NO. 78-5100-0771-5	
		REV. L	
		MODEL 3400	

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
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CASTIGLIONE	DATE 05,2014	MFG	DATE
CHKD		DATE	APPR	DATE
			R. SCHERER	SEP 05,2014

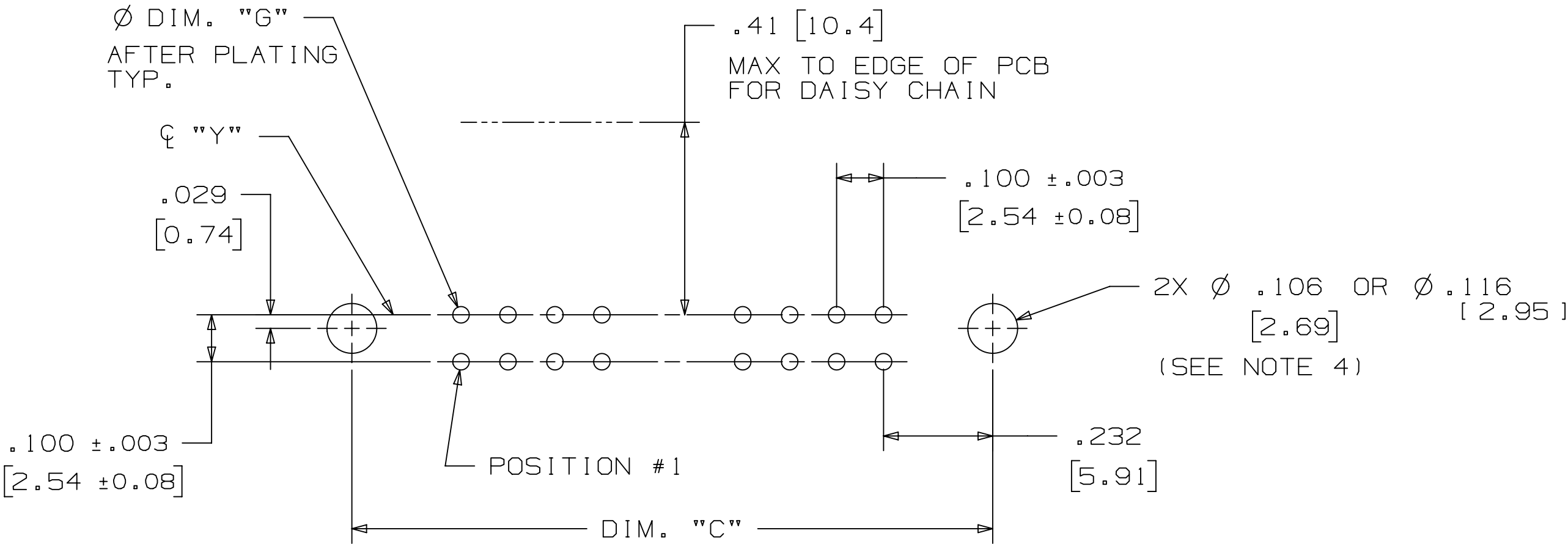
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HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA

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

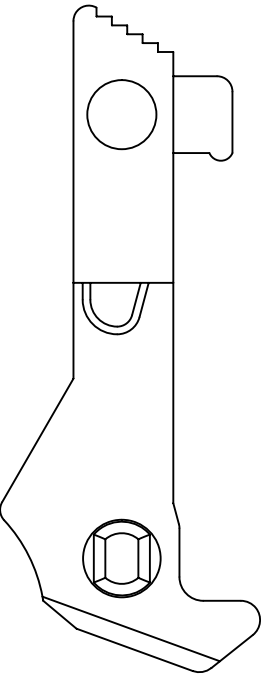
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

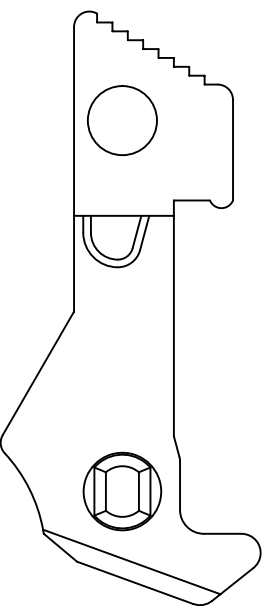
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

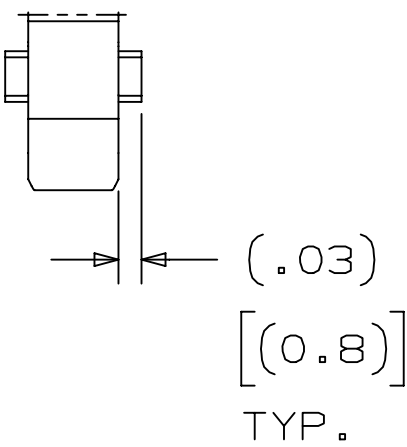


LONG



SHORT

SNAP-IN LATCHES

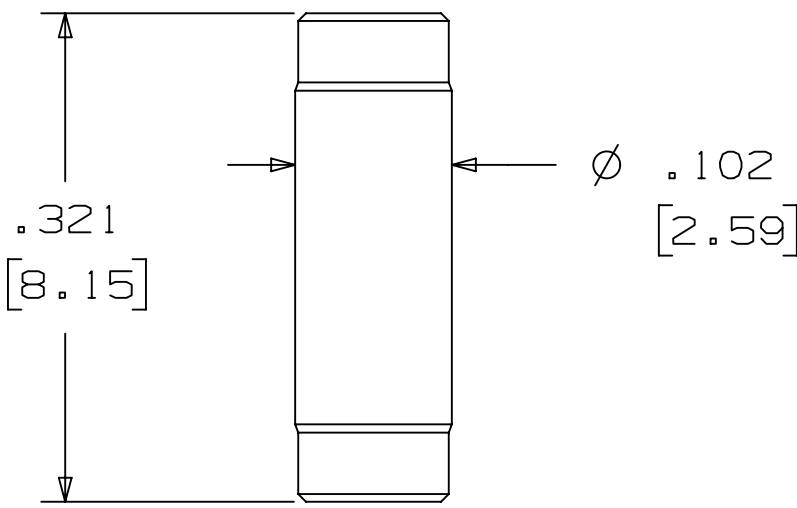


NOTE:
SNAP-IN LATCHES CAN ONLY BE ORDERED SEPARATELY AND ARE THE CUSTOMERS RESPONSIBILITY TO INSTALL.

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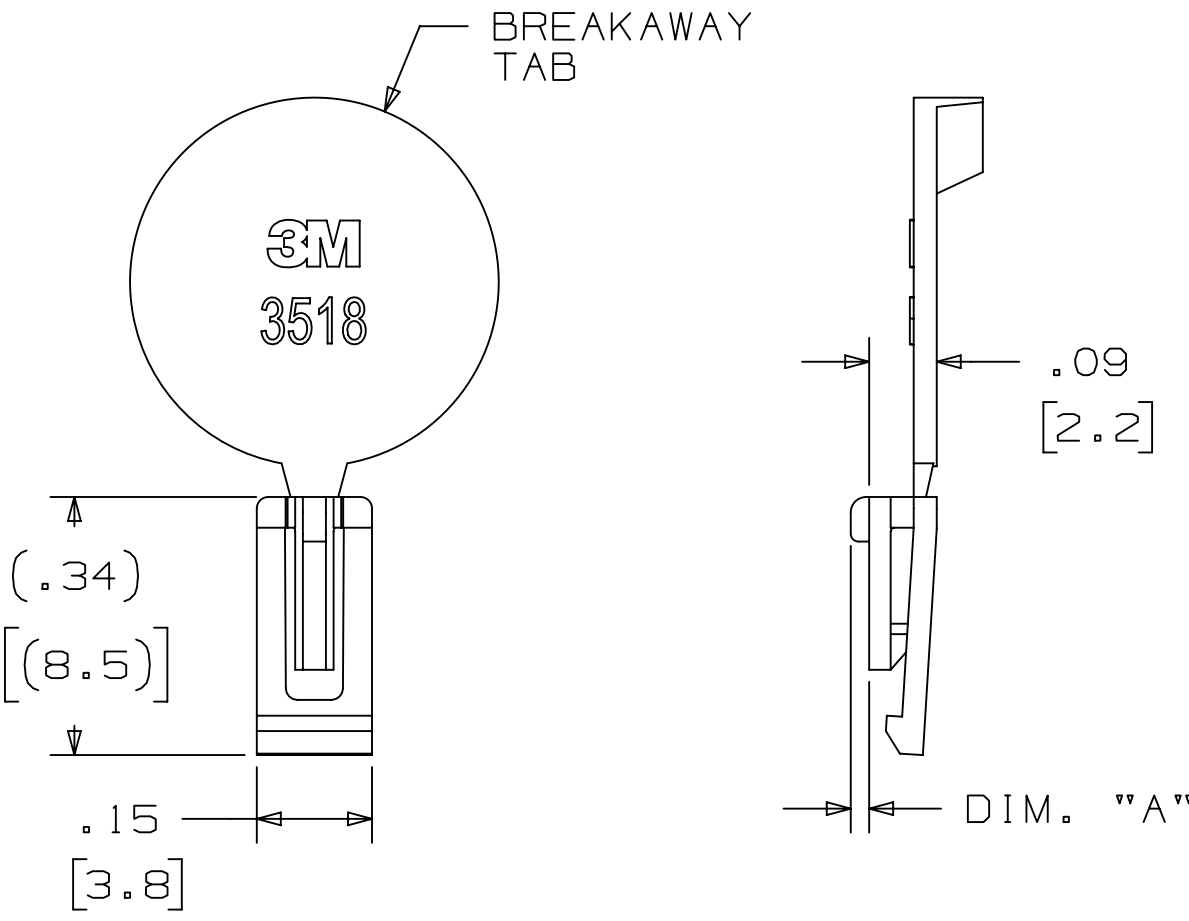
POLARIZING POST



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.

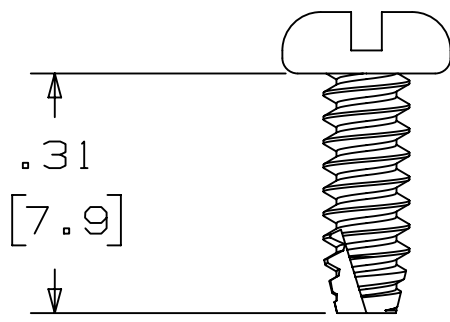
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	1	ECO	MAY 08, 2024 REMOVE 05 WWT TAILS	JNC	FJR
XXXXXX	XXXXXX	2	ECO	JUN 22, 2021 REVISED ORDERING INFO	JNC	SAN
XXXXXX	XXXXXX	3	ECO	JAN 07, 2021 REMOVE TIN LEAD PLATE AND KINK TAILS	JNC	SAN
XXXXXX	XXXXXX	4	ECO	MAR 06, 2015 REVISE ORDERING NUMBER	JNC	RS
XXXXXX	XXXXXX	5	ECO	AUG 05, 2014 REVISED AND REDRAWN	JNC	RS
XXXXXX	XXXXXX	6	ECO	ISSUE DATE AND DESCRIPTION	JNC	RS
XXXXXX	XXXXXX	7	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	8	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	9	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	10	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	11	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	12	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	13	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	14	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	15	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	16	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	17	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	18	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	19	ECO	DATE AUG 05, 2014	JNC	RS
XXXXXX	XXXXXX	20	ECO	DATE AUG 05, 2014	JNC	RS

DIVISION	Interconnect Solutions	DIVISION CODE	EMSD
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THIRD ANGLE PROJECTION		INCHES ±.1 ±.01 ±.005 ±.0002	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± ±.005 ±.0002	
MAX SURFACE ROUGHNESS ALL SURFACES MARKED ONLY		ANGLES ±	

TITLE	HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA
CAGE NUMBER	D78-5100-0771-5
SIZE	L
DRAWING NO.	78-5100-0771-5
REV.	L
MODEL	3400
DET	YES
YES	NO
SHT	3 OF 5

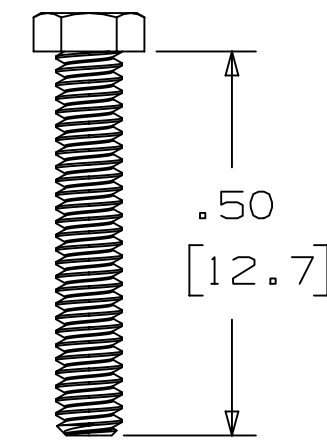
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.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

MOUNTING HARDWARE



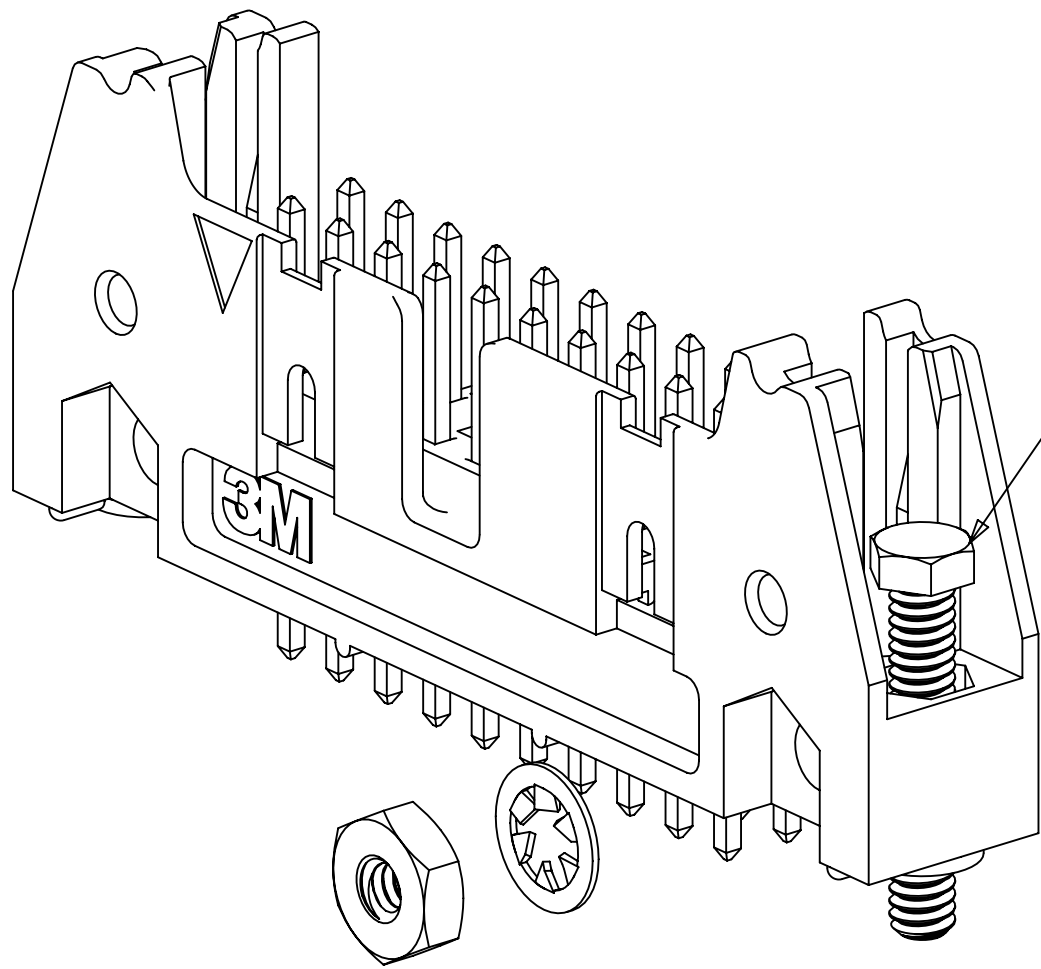
3341-5

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



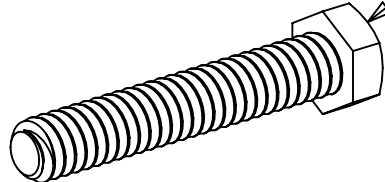
3341-6

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



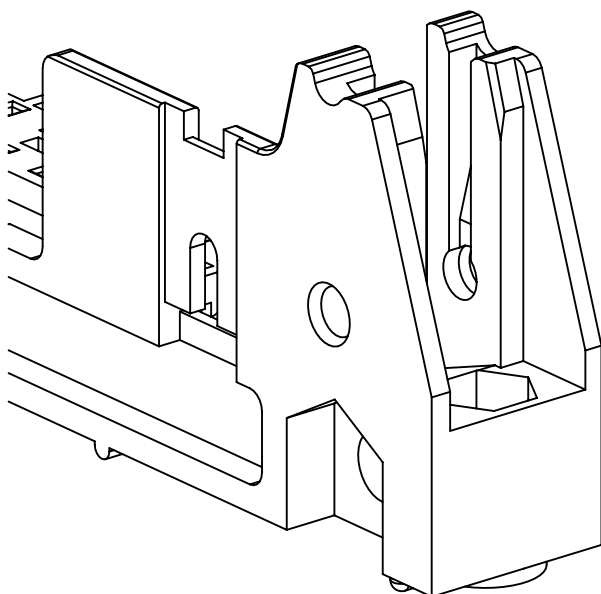
STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

RIGHT ANGLE VERSION INSTALL

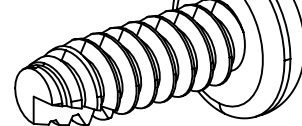


3341-6

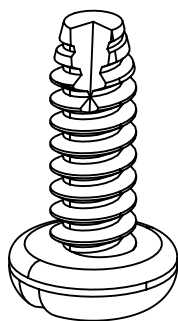
#2-56 NUT AND BOLT



#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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XREF		XREF		DRFT		DATE		DATE	DATE
CASTIGLIONE		AUG 05,2014		MFG		DATE		DATE	DATE
CHKD		R. SCHERER		APPR		DATE		DATE	DATE
								SEP 05,2014	
DIVISION		DIVISION CODE		3M Center		© 3M COPYRIGHT 2024			
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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
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J	93619	JAN 07,2021	JNC	SAN
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G	56068	AUG 05,2014	JNC	RS
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DRFT	CAS	DATE	DATE	DATE
CHKD	DATE	APPRV	DATE	DATE
DIVISION		DIVISION CODE		
Interconnect Solutions		EMSD		
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		INCHES		
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		
MAX. SURFACE ROUGHNESS		CAGE NUMBER		
ALL SURFACES		SIZE		
MARKED ONLY		DRAWING NO.		
		MODEL		
		REV.		
		DET		
		SHT 5 OF 5		