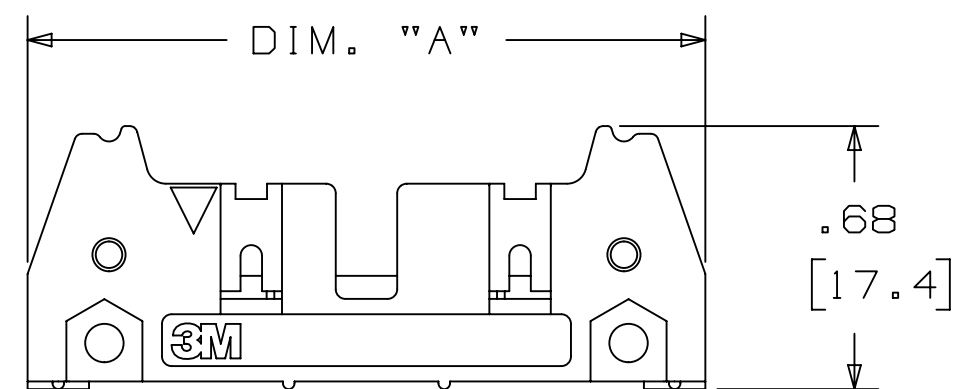
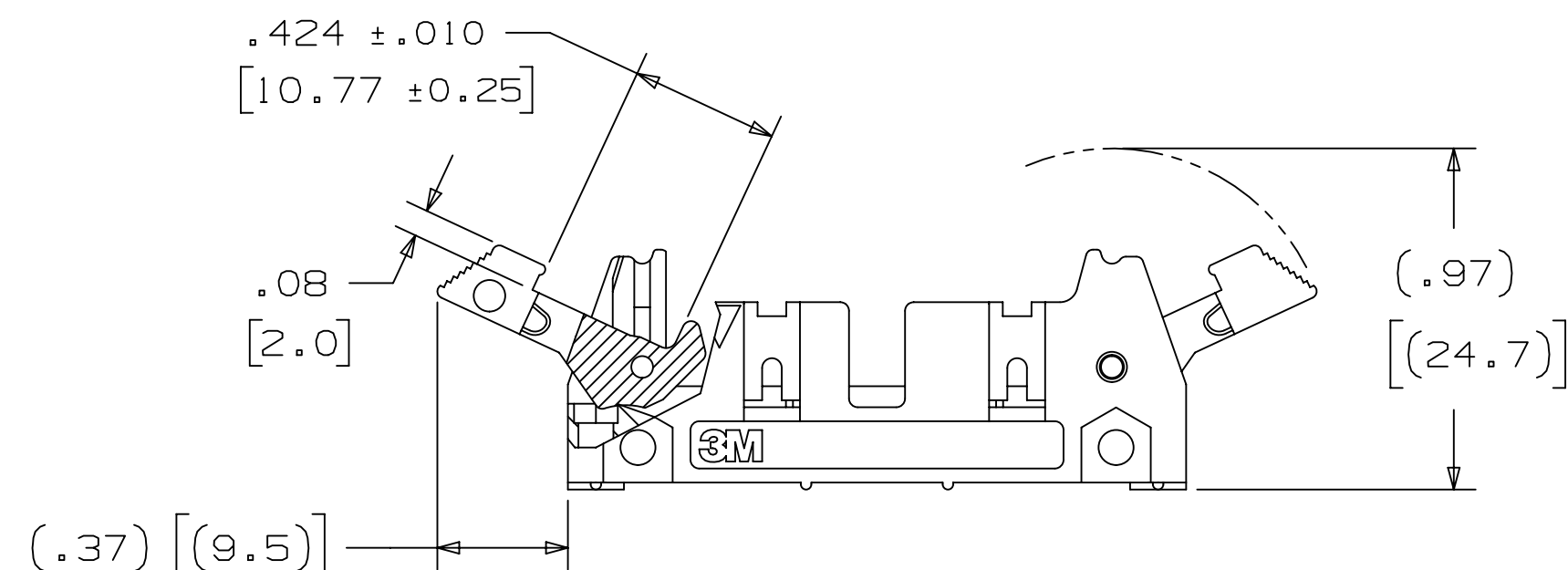


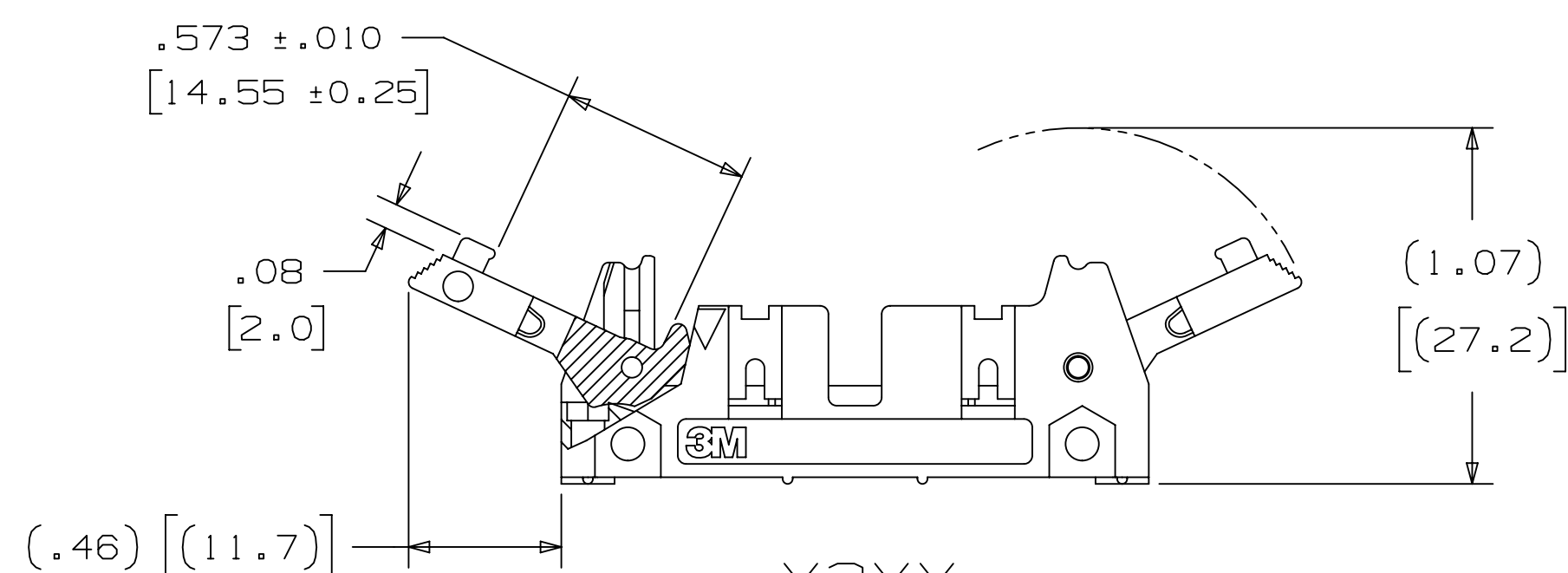
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-X0XX
HEADER WITHOUT LATCH EJECTOR



-X2XX
HEADER WITH SHORT LATCH EJECTOR
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



-X3XX
HEADER WITH LONG LATCH EJECTOR
FOR 3M SOCKETS WITH STRAIN RELIEF

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

- * MILITARY (WITH 3M'S N3518 POLARIZING KEY) AND CENTERBUMP POLARIZATION.
- * LOW PROFILE.
- * OPTIONAL EJECTOR LATCHES.
- * MOUNTING HOLES FOR SECURING HEADER TO BOARD.
- * THREE WALL SHROUD PROVIDES DESIGN FLEXIBILITY.
- * STRAIGHT, RIGHT ANGLE.
- * SOLDER TAIL OPTIONS.
- * OPTIONAL POLARIZING POSTS AVAILABLE.
- * HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- * SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.

2 PHYSICAL :

INSULATOR: MATERIAL: HIGH TEMPGLASS 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

2 ELECTRICAL :

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

2 ENVIRONMENTAL :

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)

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

DESIGN REFERENCE		NEXT ASSEMBLY	
ACCESS CODES			
DIVISION		DIVISION CODE	
Interconnect Solutions		EMSD	
DO NOT SCALE		TOLERANCE EXCEPT AS NOTED	
DRAWING		INCHES	
		.00 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0003	
THIRD ANGLE PROJECTION		MILLIMETER	
INTERPRET PER ASME Y14.5 - 2018		.0 .00 ± .000 ±	
MAX. SURFACE ROUGHNESS		ANGLES ±	
☐ ALL SURFACES ☒ MARKED ONLY			

L	115955		MAY 08,2024		JNC	FJR
K	97909		REMOVE 05 WWT TAILS		JNC	SAN
J	93619		JUN 22,2021		JNC	SAN
H	60056		REVISED ORDERING INFO		JNC	RS
G	56068		JAN 07,2021		JNC	RS
			REMOVE TIN LEAD PLATE AND KINK TAILS			
			MAR 06,2015			
			REVISED ORDERING NUMBER			
			AUG 05,2014			
			REVISED AND REDRAWN			
REV	ECO		ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DRFT	CAS TIGLIONE		DATE AUG 05,2014	INFO		DATE
CHKD			DATE	APPR. R. SCHERER		DATE SEP 05,2014
 3M Center St. Paul, MN 55144 © 3M COPYRIGHT 2024 This document and the information it contains are property of 3M and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.						
TITLE						
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA SEP 05,2014						
CAGE NUMBER	SIZE	DRAWING NO.				REV.
MODEL	340	D78-5100-0771-5				L
DATE		DET.		YES YES NO		SHT 1 OF 5

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US
UL FILE NO: E68080

3M™ THREE-WALL HEADER, 3000 SERIES

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

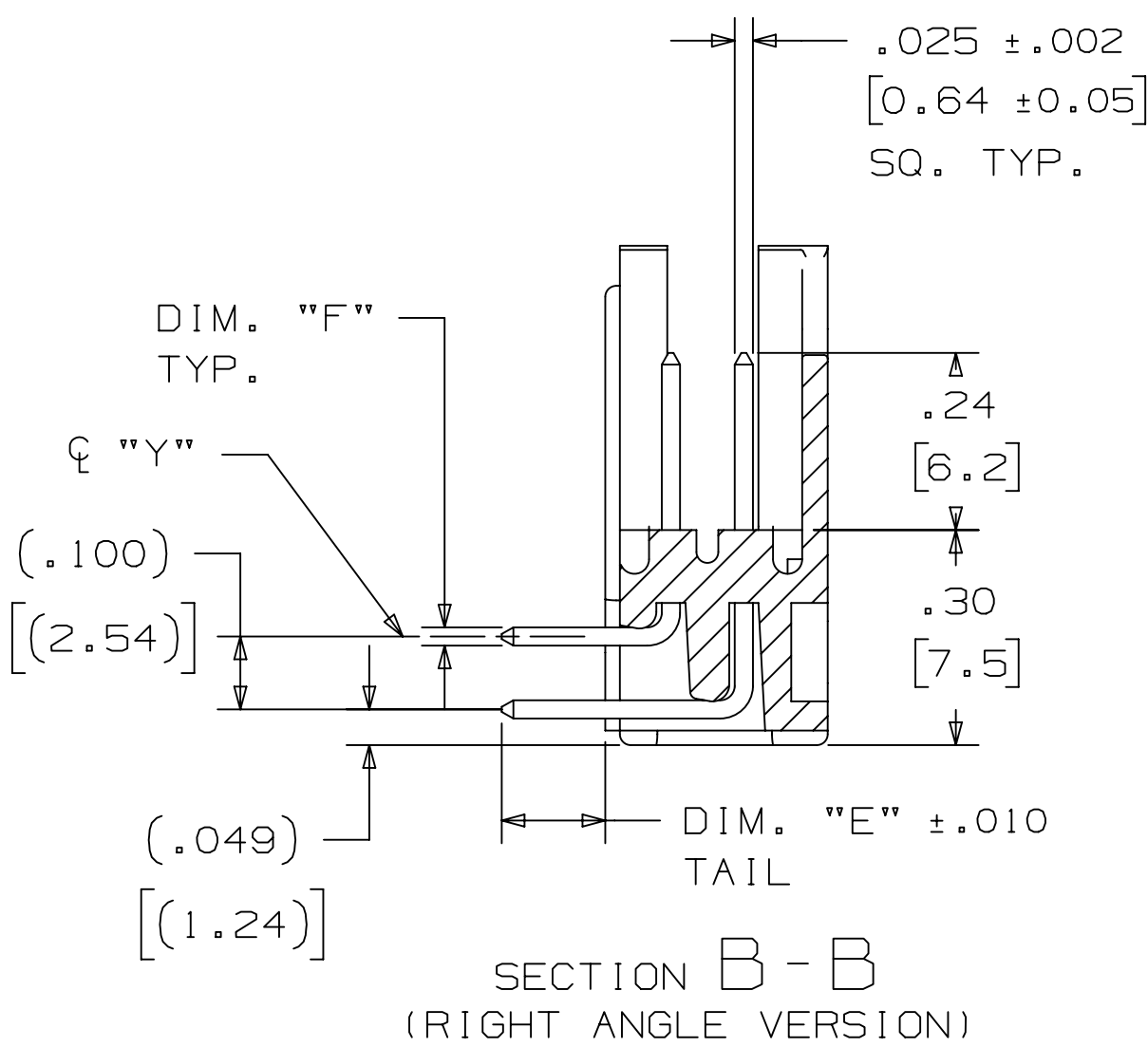
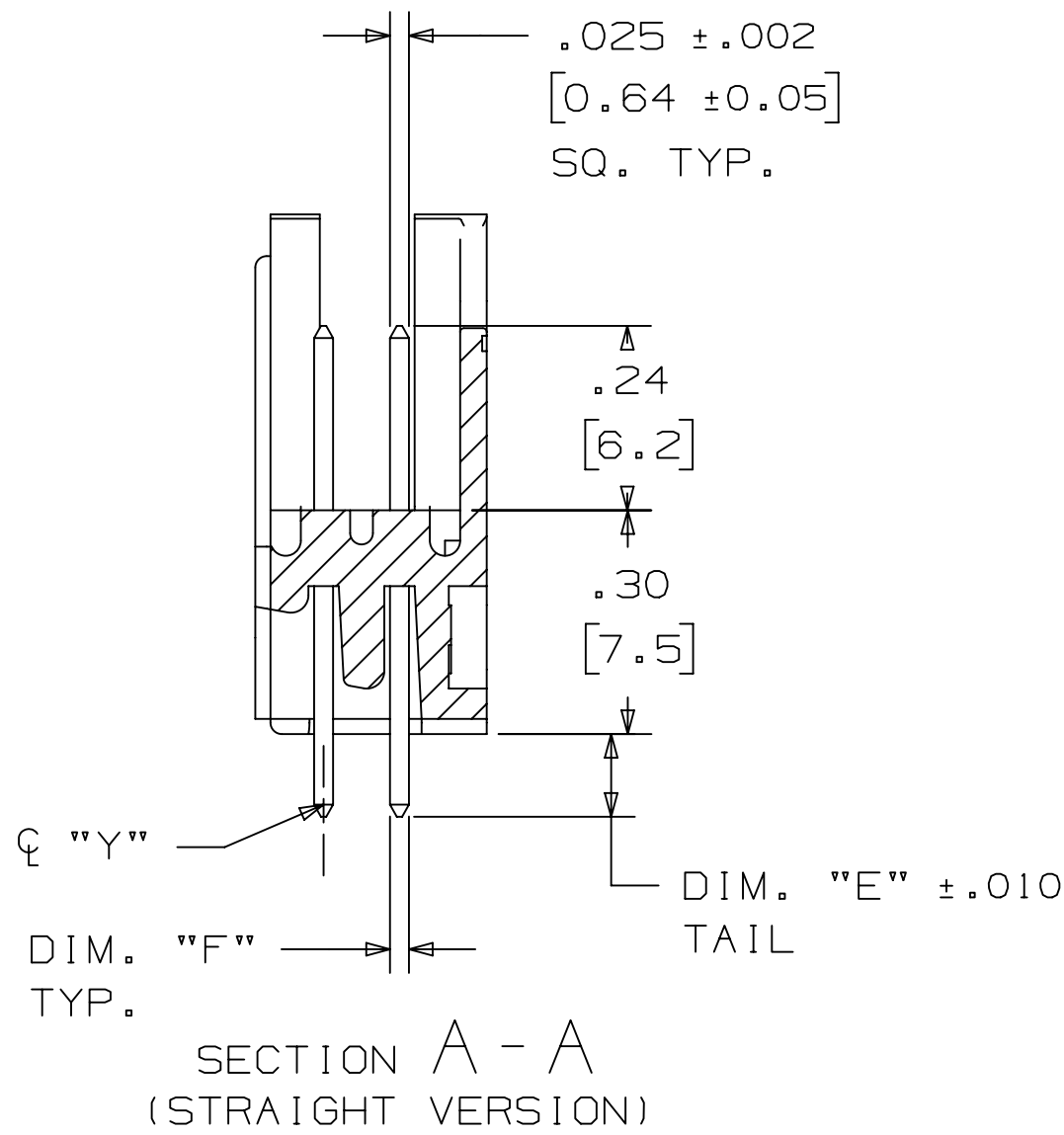
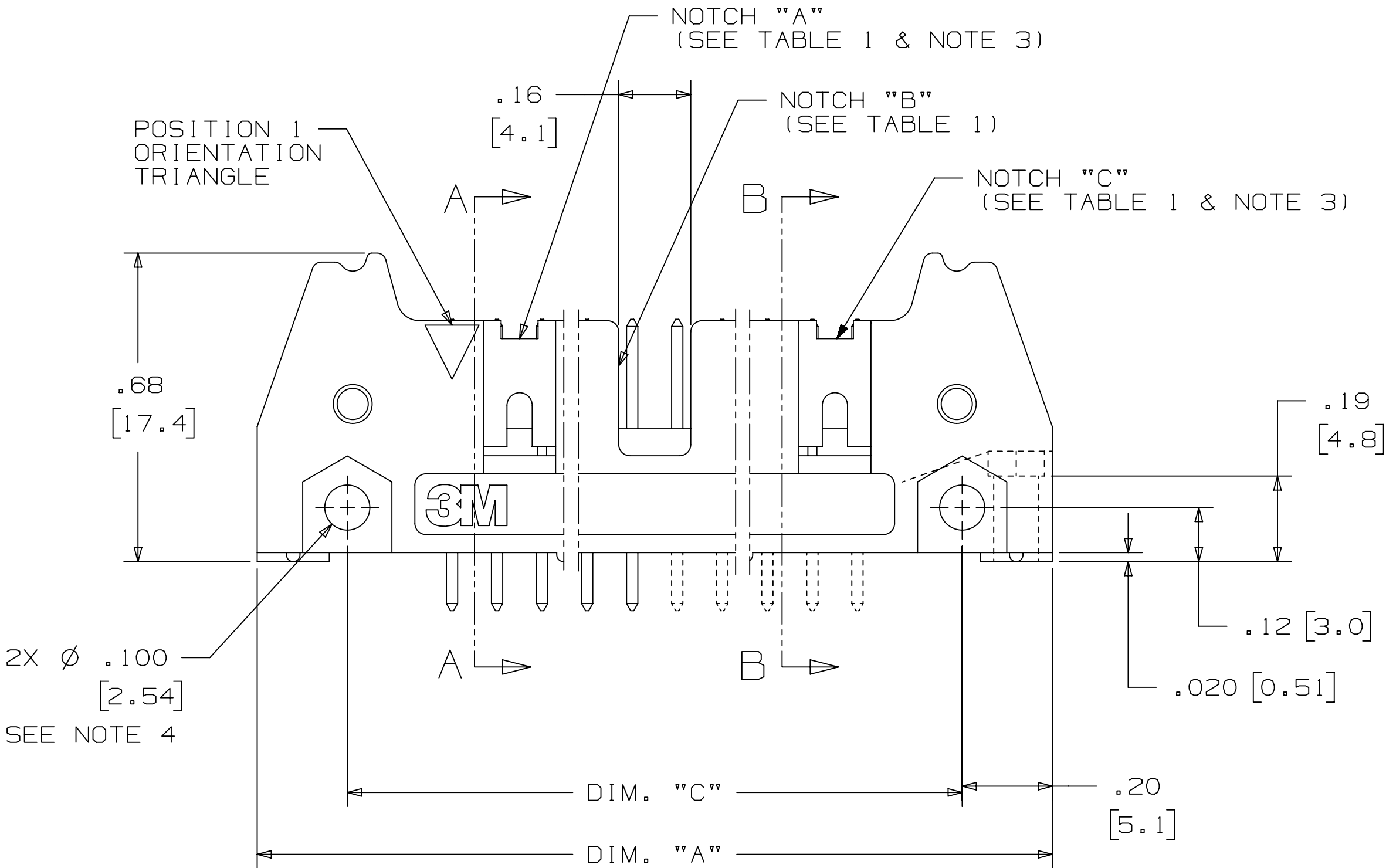
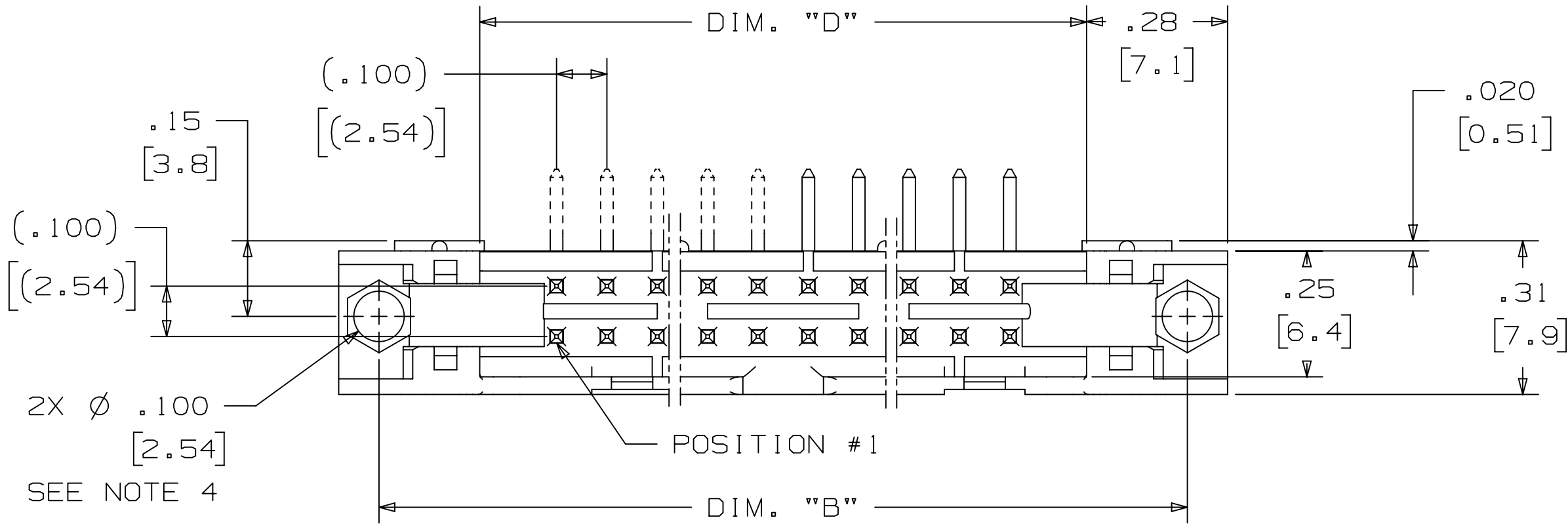


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20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

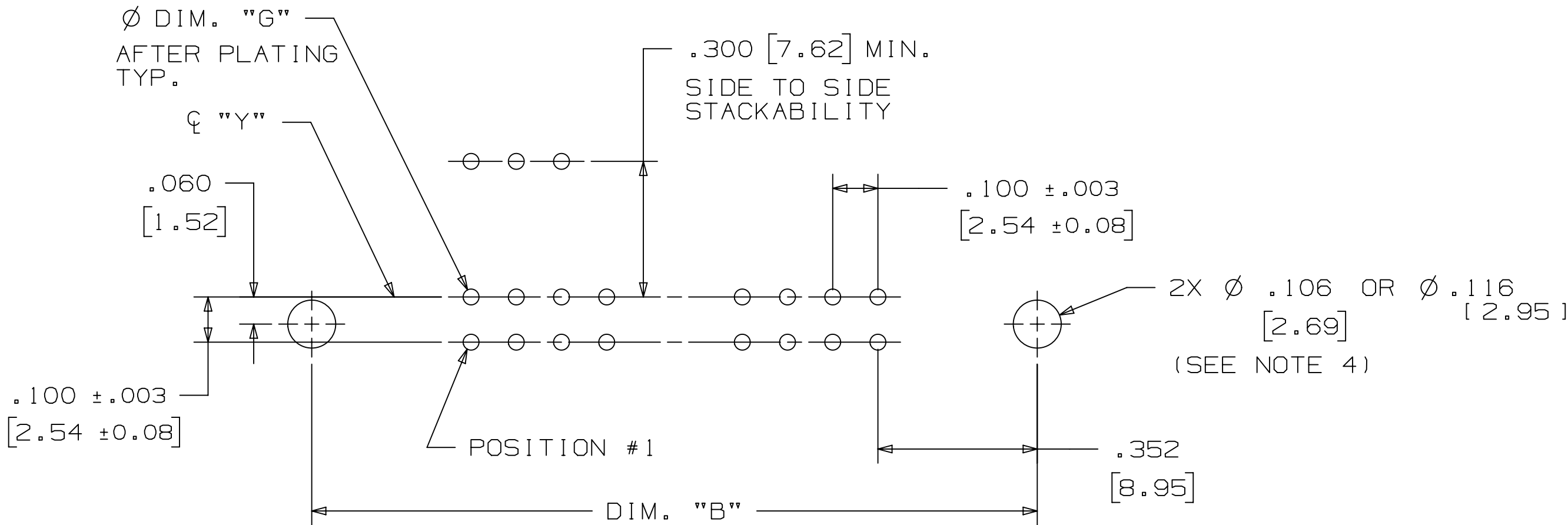


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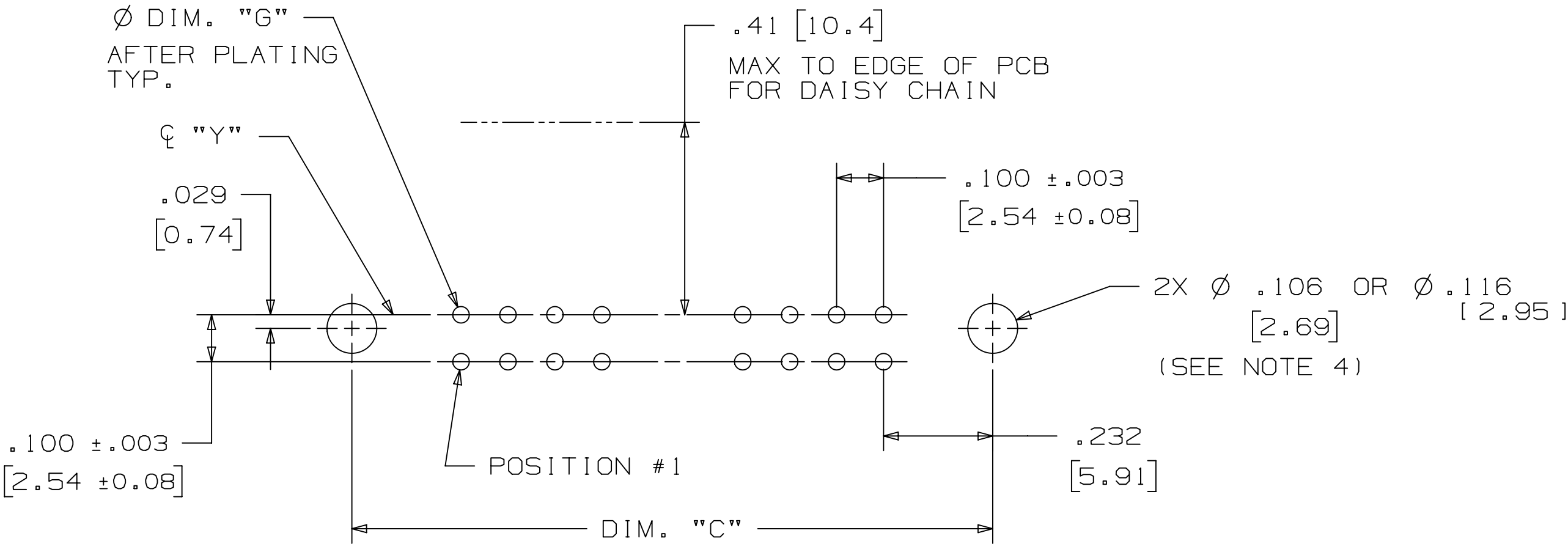
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INFORMATION CALL 800-225-5373

DESIGN REFERENCE		NEXT ASSEMBLY	
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS	
MAX. SURFACE ROUGHNESS	ALL SURFACES	MARKED ONLY	
DIVISION		DIVISION CODE	
Interconnect Solutions		EMSD	
3M		3M Center St. Paul, MN 55144	
TITLE		HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA	
CAGE NUMBER		DRAWING NO. D78-5100-0771-5	
MODEL		3400	
REV.		L	
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

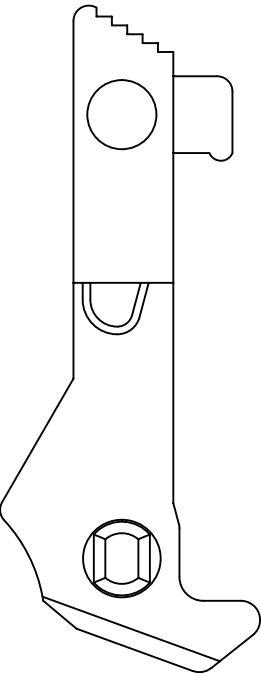
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

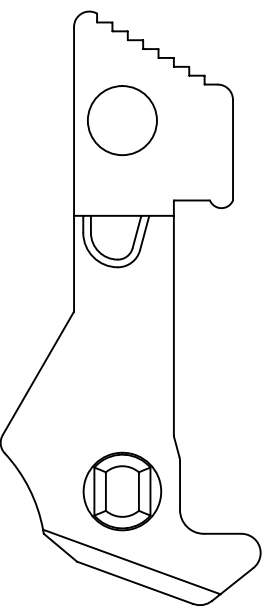
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

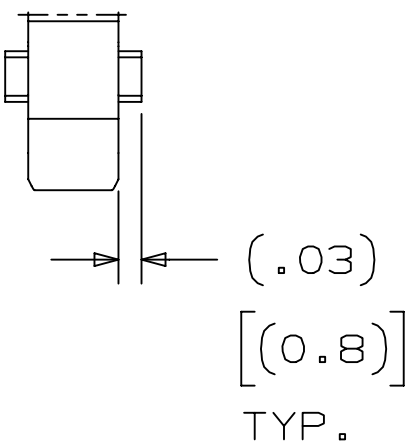


LONG



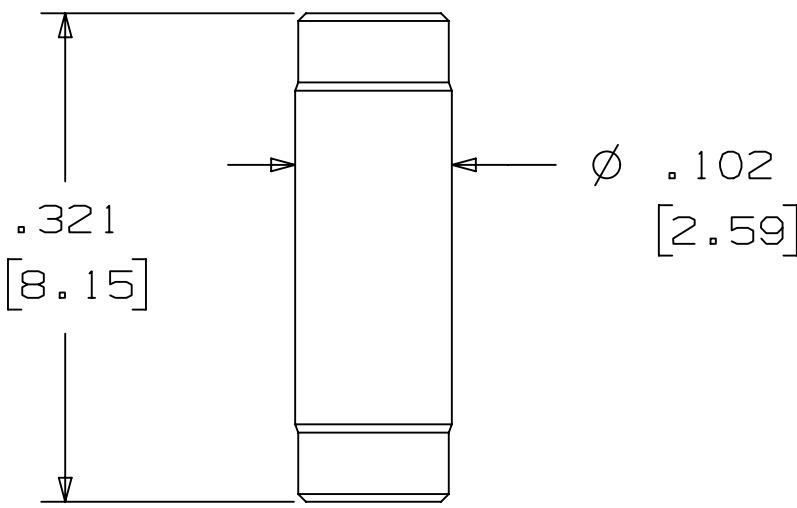
SHORT

SNAP-IN LATCHES



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

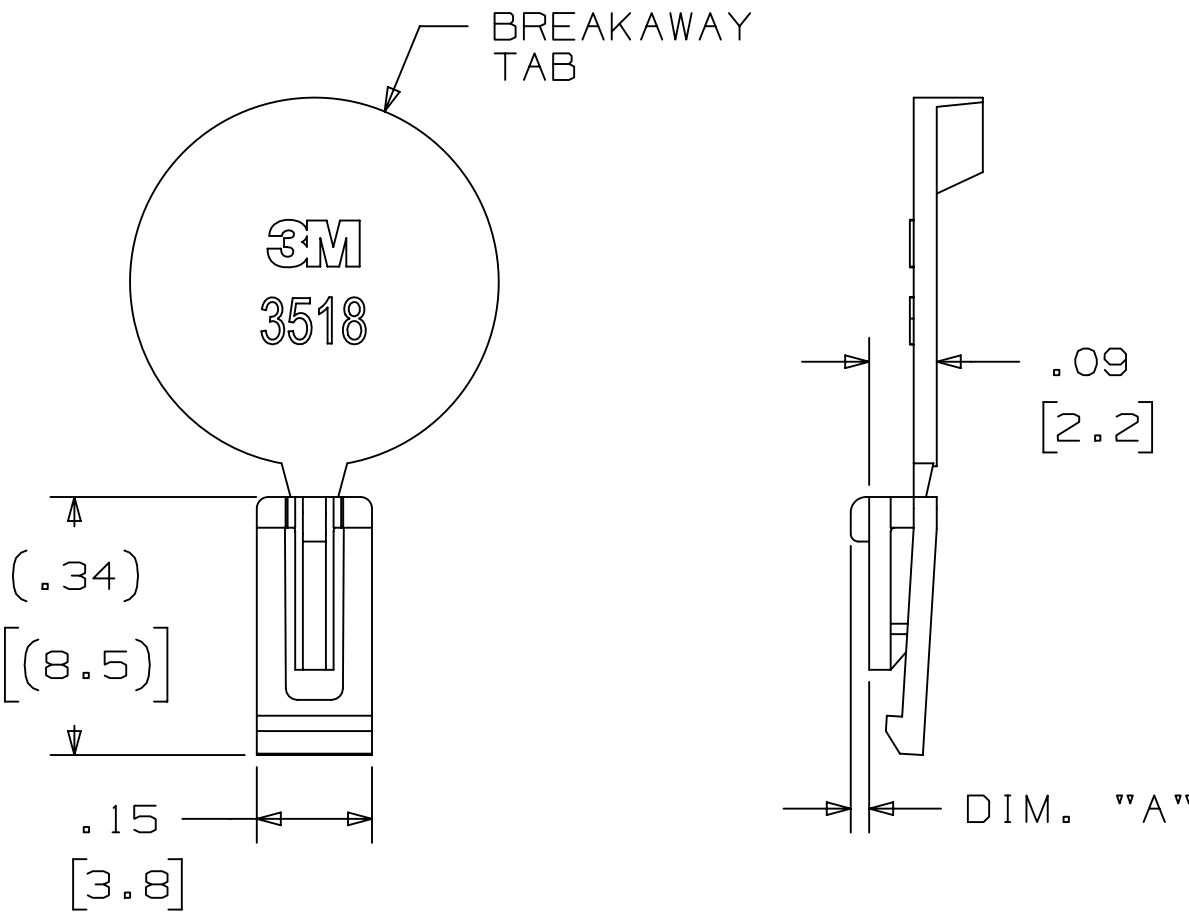
POLARIZING POST



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



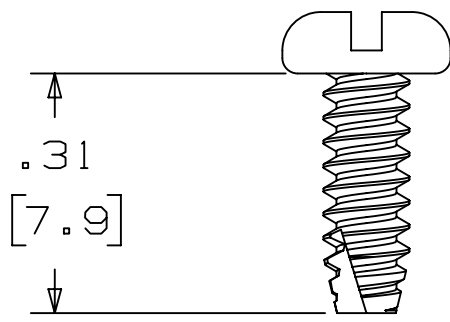
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

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

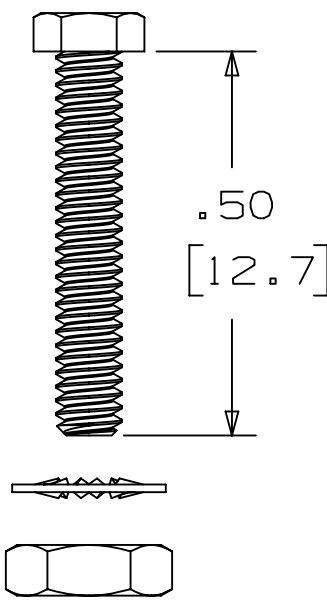
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	DRFT	CASTIGLIONE	DATE AUG 05,2014	MFG	DATE
DIVISION	Interconnect Solutions	DIVISION CODE	EMSD	APPRV	R. SCHERER	DATE SEP 05,2014
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	INCHES .00 ±.01 .000 ±.005 .0000 ±.0002	MILLIMETERS 0 ±.00 ±.000 ±.000	ANGLES	
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MAX SURFACE ROUGHNESS	ALL SURFACES	MARKED ONLY		
CAGE NUMBER		SIZE	DRAWING NO.	REV.		
D		78-5100-0771-5	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

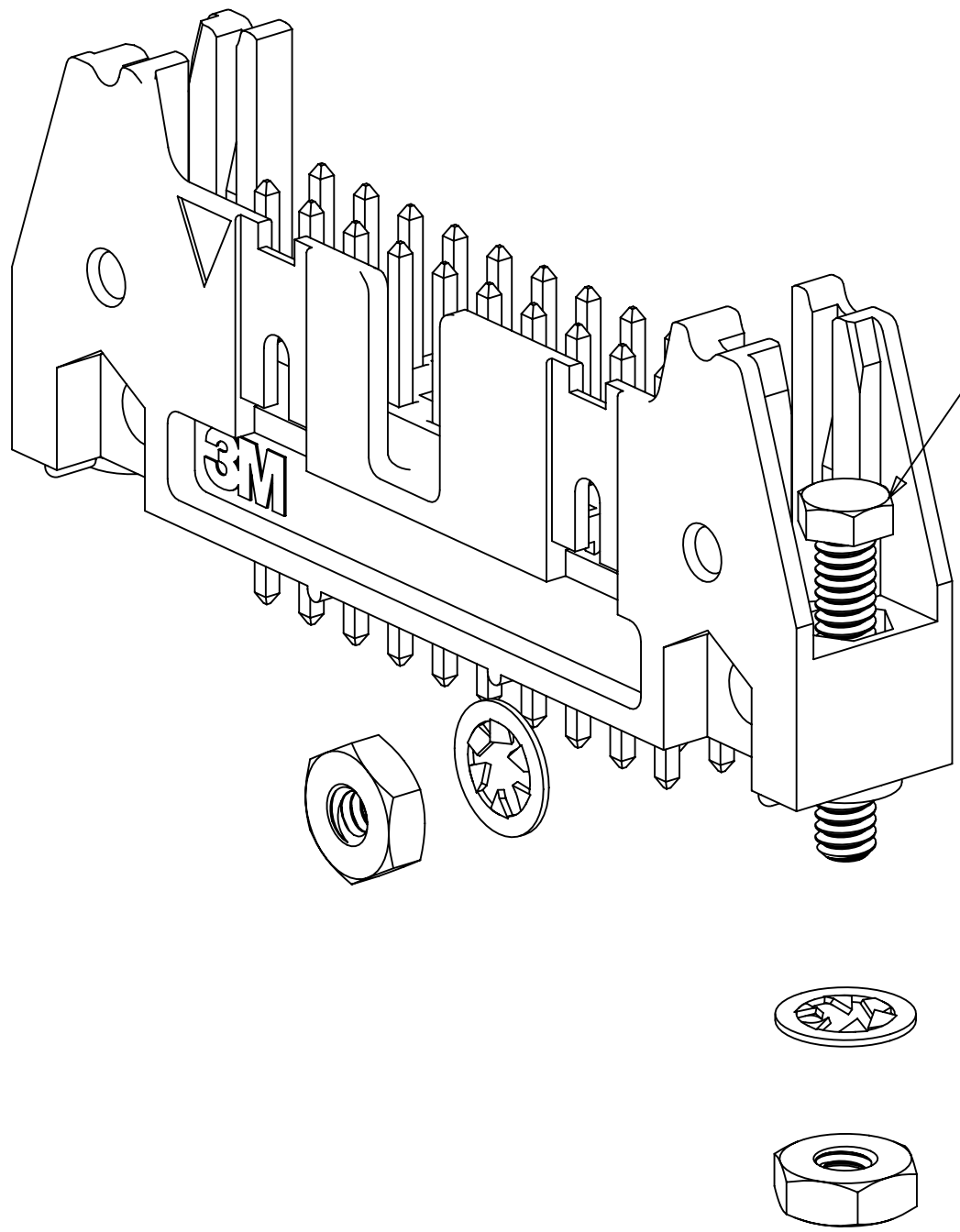
MOUNTING HARDWARE



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

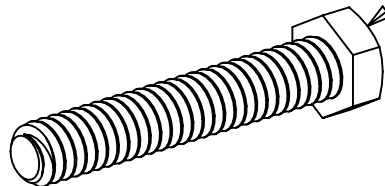


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL

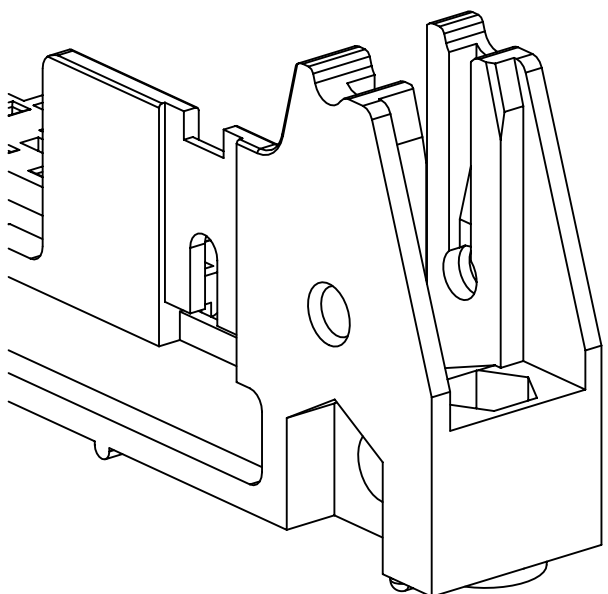


STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

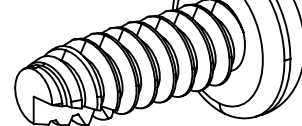
RIGHT ANGLE VERSION INSTALL



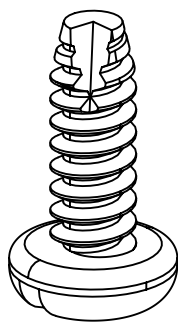
3341-6
#2-56 NUT AND BOLT



#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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DESIGN REFERENCE		NEXT ASSEMBLY		REV		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
XREF		XREF		DRFT		DATE		MFG		DATE	
CASTIGLIONE		AUG 05,2014		MFG		R. SCHERER		SEP 05,2014			
DIVISION		DIVISION CODE		DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018	
Interconnect Solutions		EMSD		SCALE		INCHES .00 ± .01 .000 ± .005 .0000 ± .0002		MILLIMETERS 0 ± .00 ± .000		MAX SURFACE ROUGHNESS .000 ± .000 ± .000	
3M		3M Center St. Paul, MN 55144		TITLE		HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA		CAGE NUMBER		DRAWING NO. D78-5100-0771-5	
MODEL		3400		REV.		L		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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L	115955	MAY 08,2024	JNC	FJR
K	97909	JUN 22,2021	JNC	SAN
J	93619	JAN 07,2021	JNC	SAN
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G	56068	AUG 05,2014	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	C	ASTIGLIONE	DATE	DATE
CHKD		DATE	APPRV	DATE
			R. SCHERER	SEP 05,2014
DIVISION		DIVISION CODE		
Interconnect Solutions		EMSD		
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. 78-5100-0771-5		
		REV. L		
		DET LISTS		
		YES		
		NO		
		SHT 5 OF 5		