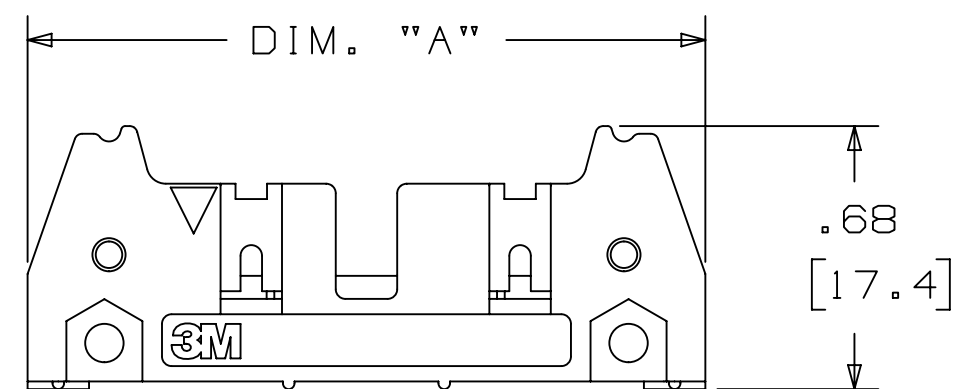
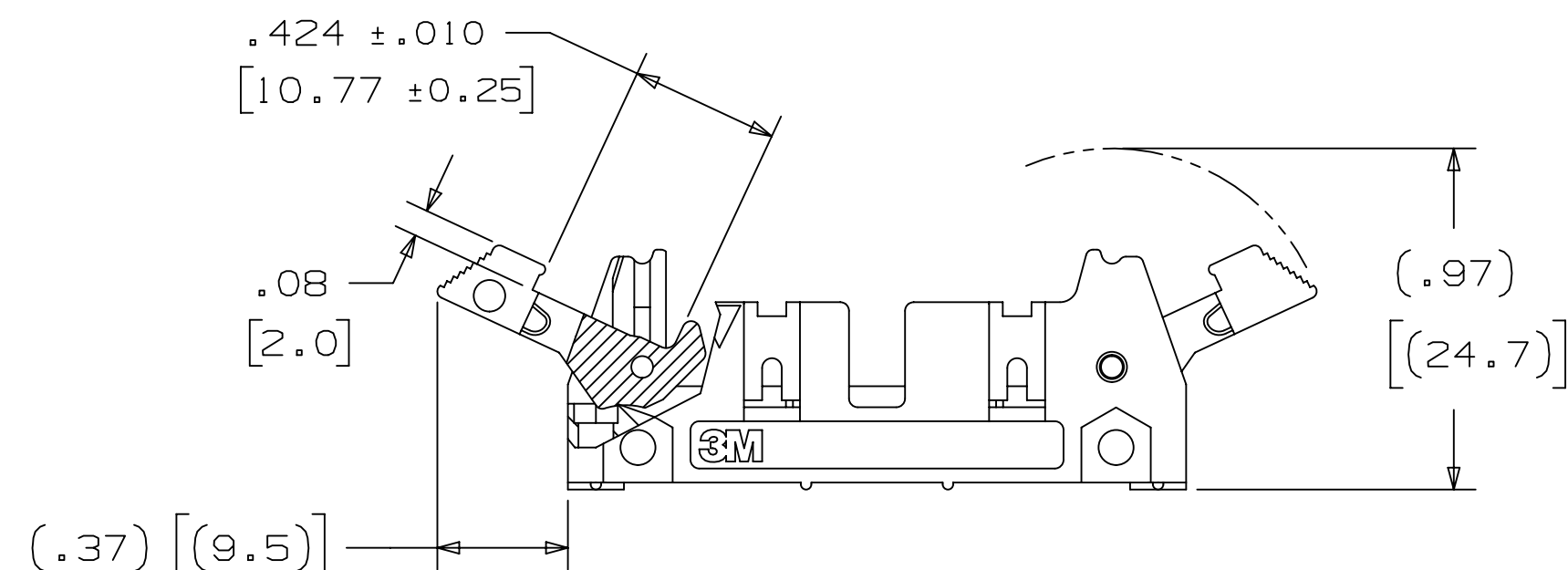


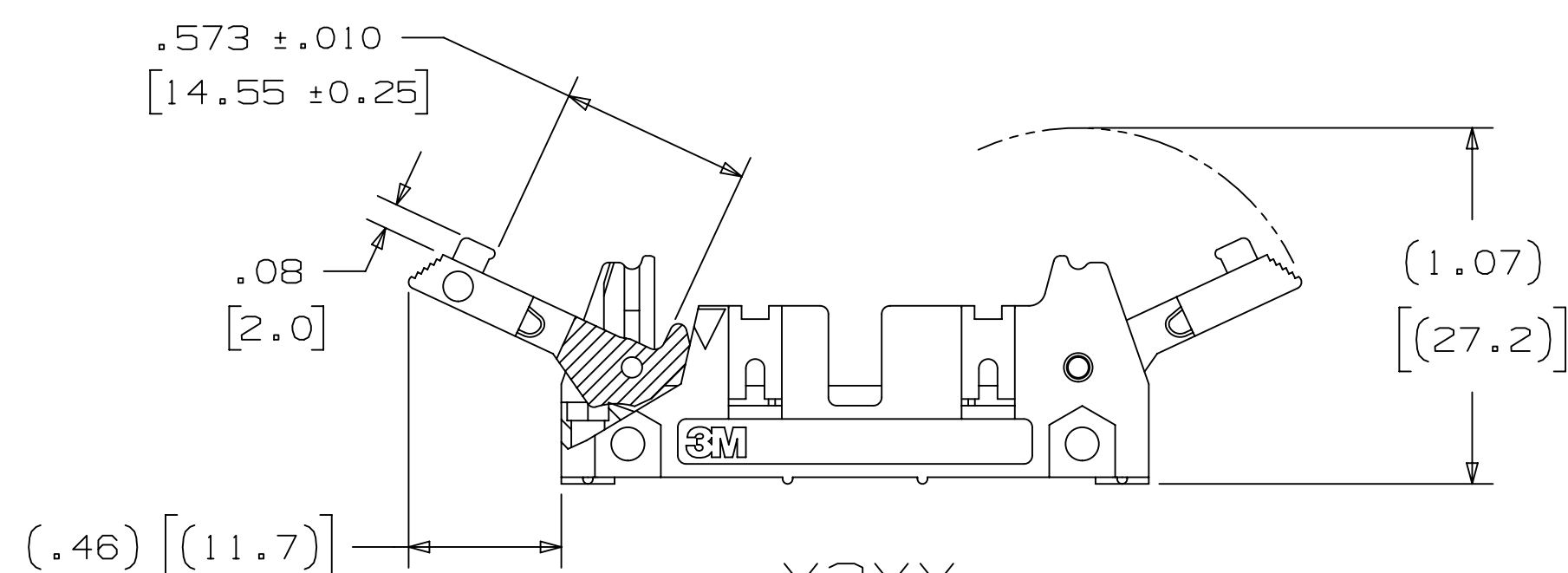
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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 TEMP GLASS 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	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			
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			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				1
DATE		DESIGN		CHECKED		BY
SEP 05,2014		SEP 05,2014		SEP 05,2014		SEP 05,2014

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UL[®]
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UL FILE NO: E68080

3M™ THREE-WALL HEADER, 3000 SERIES

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

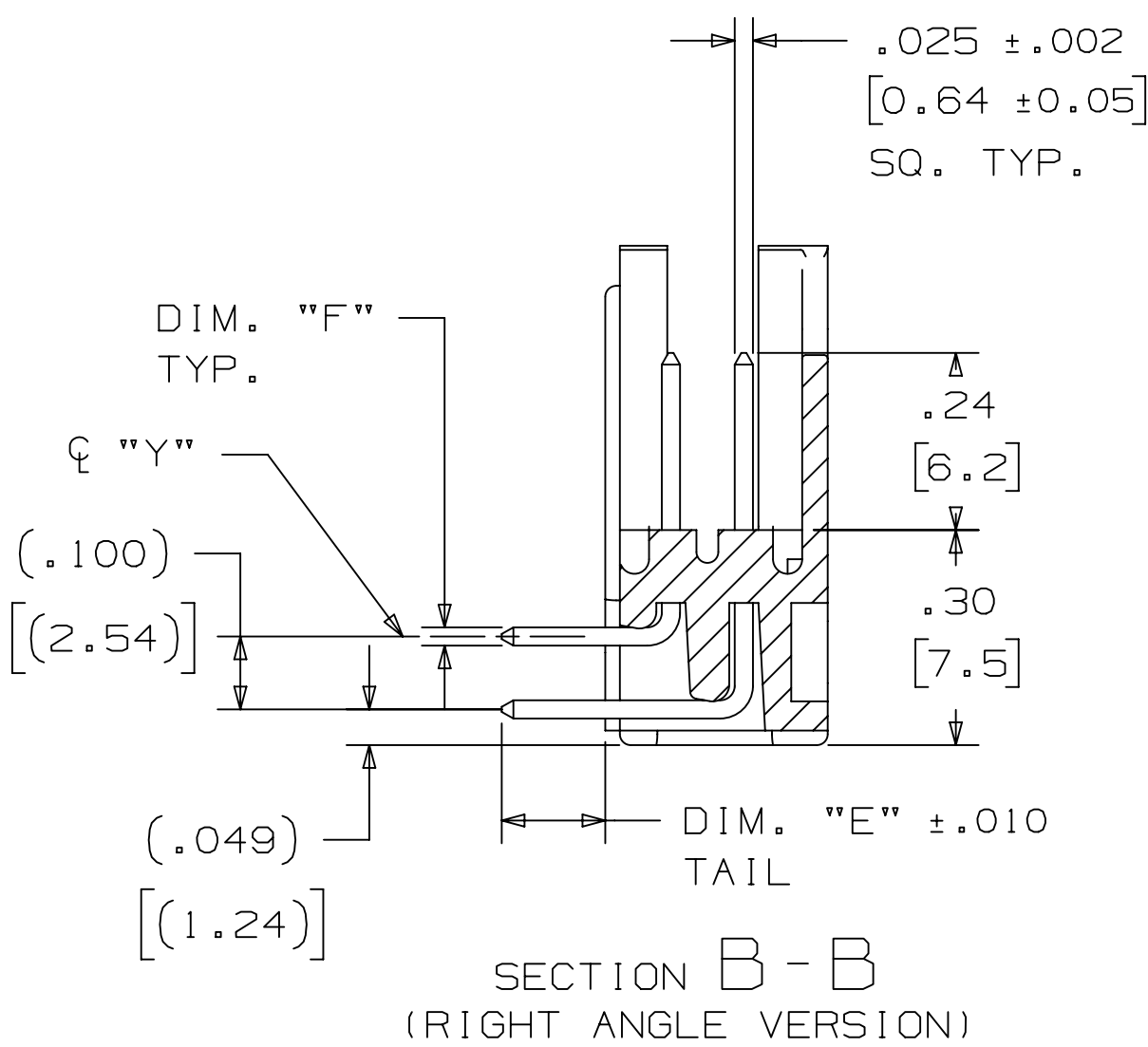
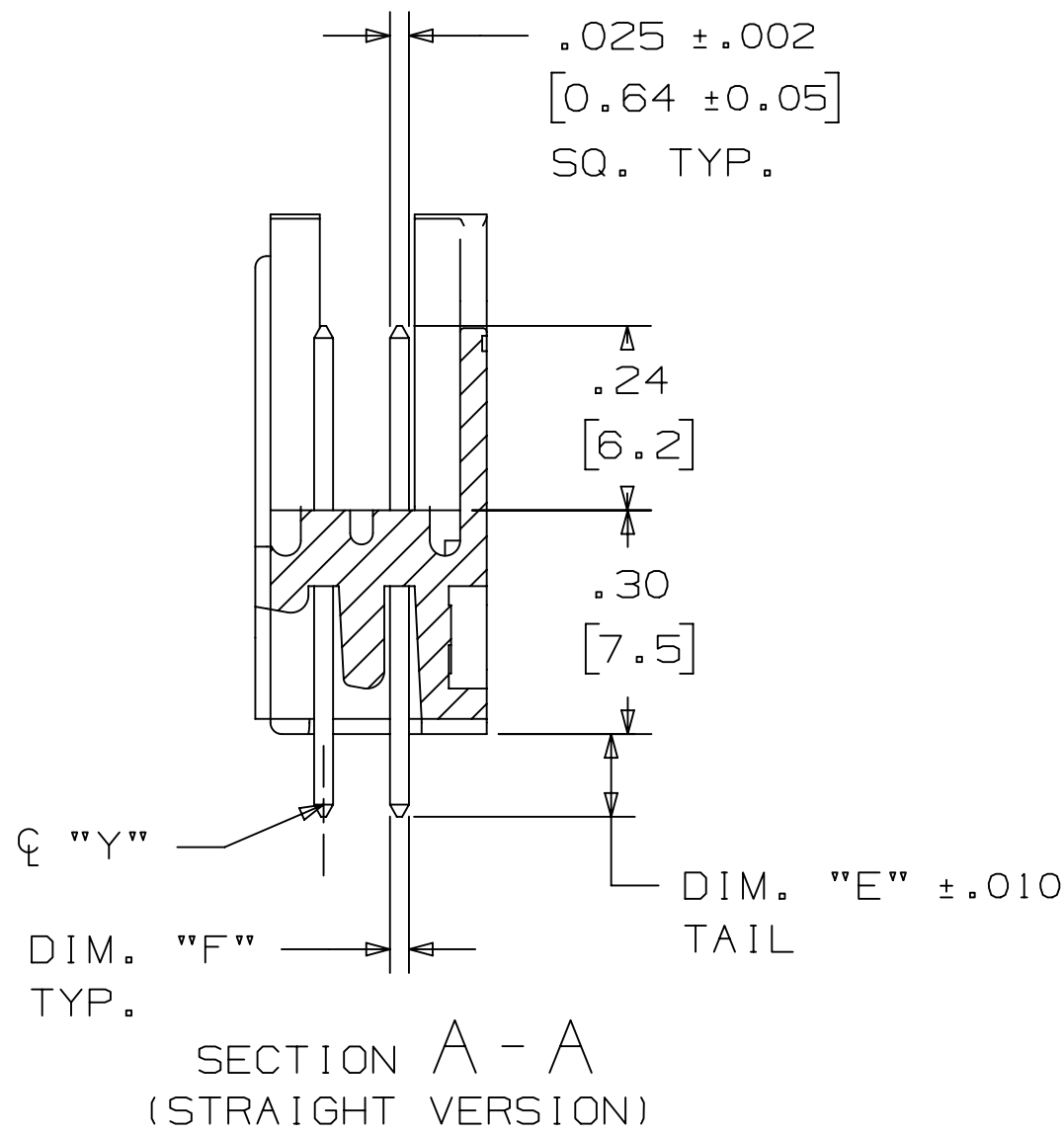
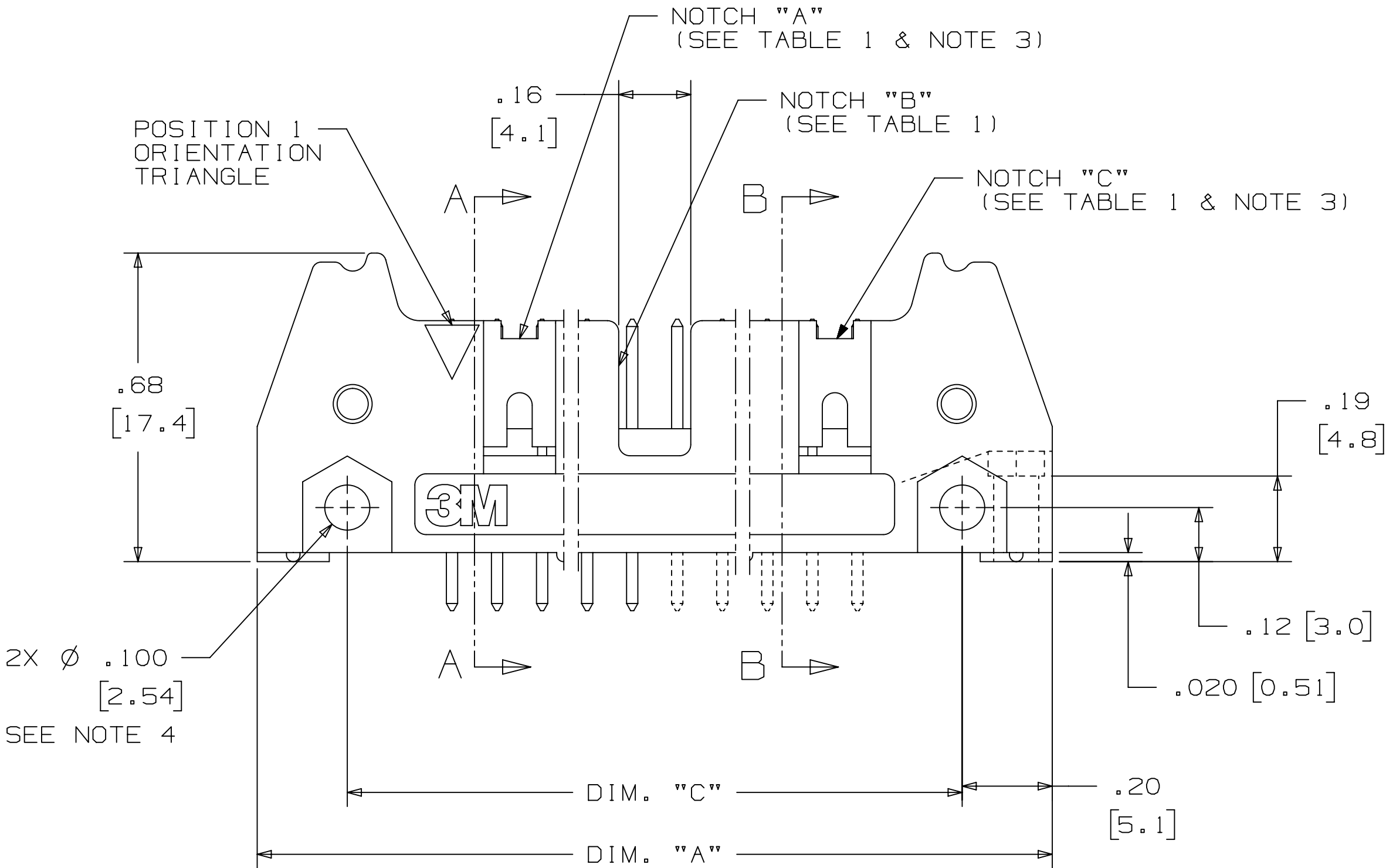
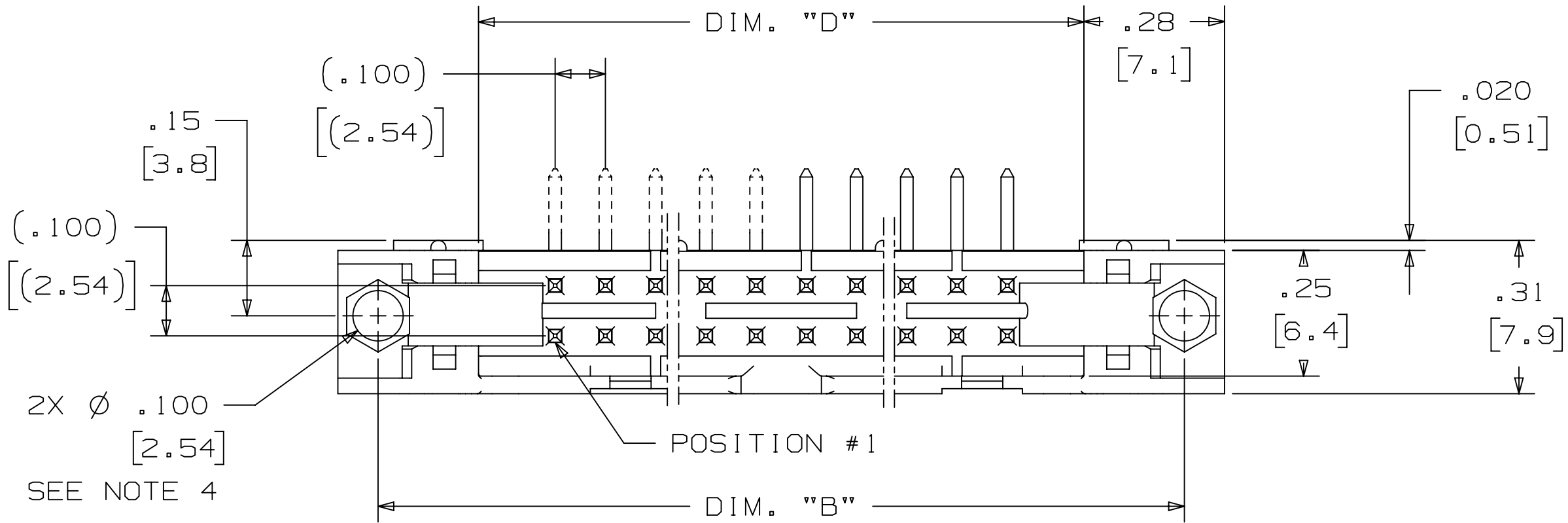


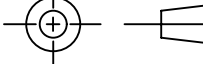
TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20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

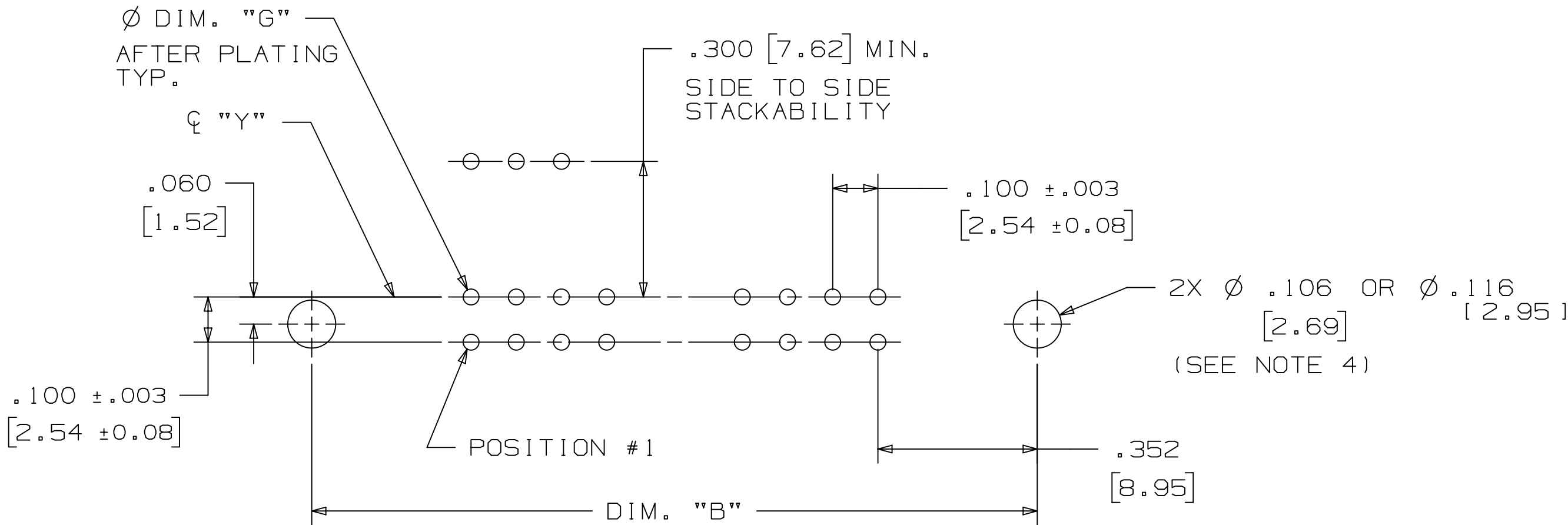


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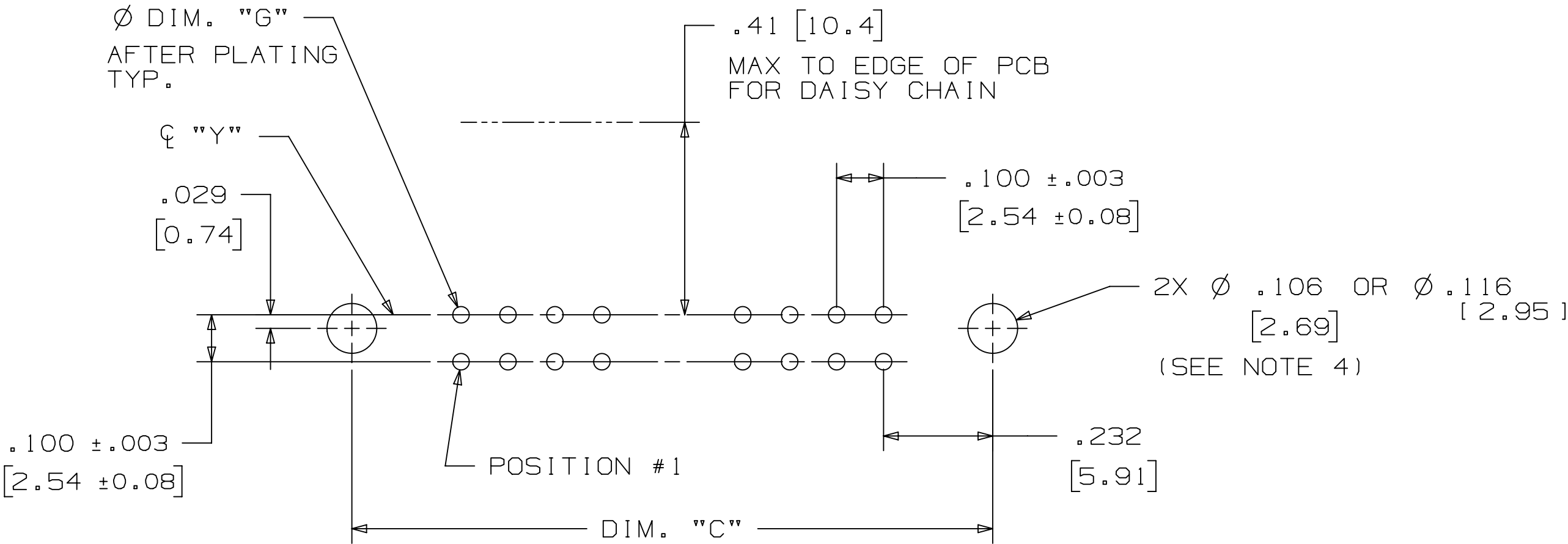
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ACCESS CODES				DRFT CAST IGLIONE		DATE AUG 05, 2014		MFG		DATE					
				CHKD		DATE		APPR. R. SCHERER		DATE SEP 05, 2014					
DIVISION Interconnect Solutions				DIVISION CODE EMSD				© 3M COPYRIGHT 2024 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.							
DO NOT SCALE DRAWING				TOLERANCES EXCEPT AS NOTED				 3M Center St. Paul, MN 55144							
				INCHES .00 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002				TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA							
THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2018				MILLIMETERS 0 ± .0 ± .00 ± .000 ±				CAGE NUMBER  DRAWING NO. 78-5100-0771-5							
MAX SURFACE ROUGHNESS ☒ ALL SURFACES ☐ MARKED ONLY				ANGLES ±				MODEL 3400				REV. L			
								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

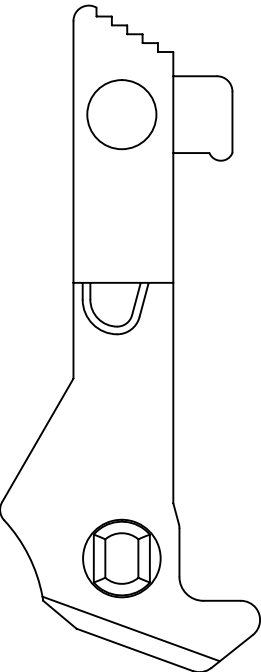
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

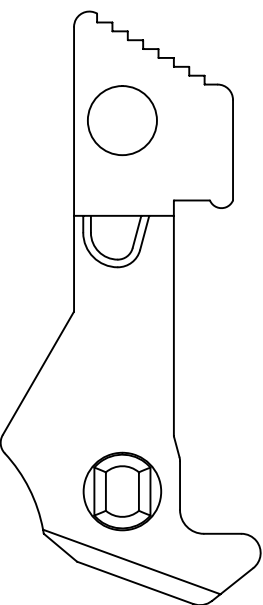
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

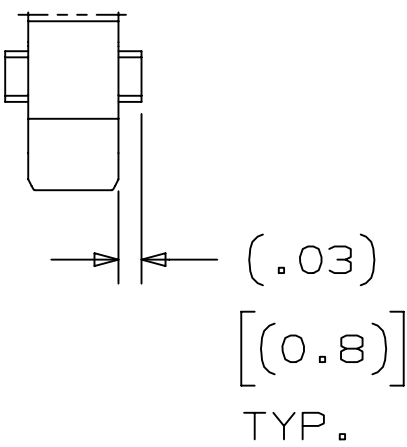


LONG



SHORT

SNAP-IN LATCHES

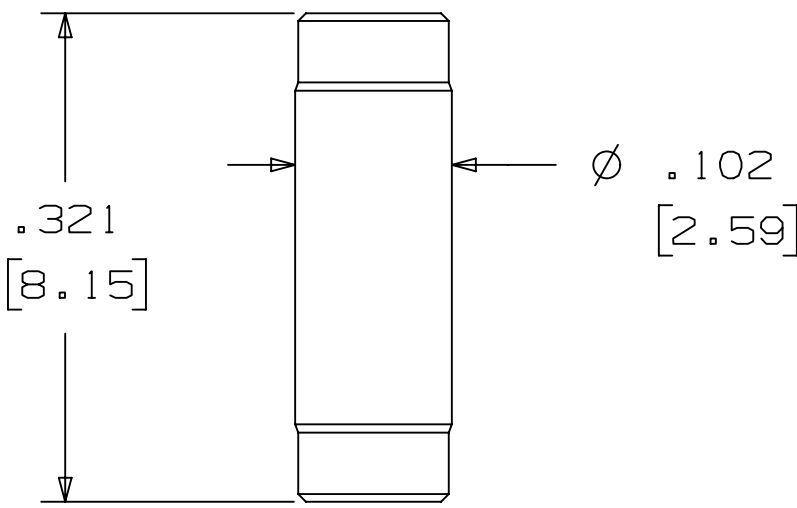


NOTE:
SNAP-IN LATCHES CAN ONLY BE ORDERED SEPARATELY AND ARE THE CUSTOMERS RESPONSIBILITY TO INSTALL.

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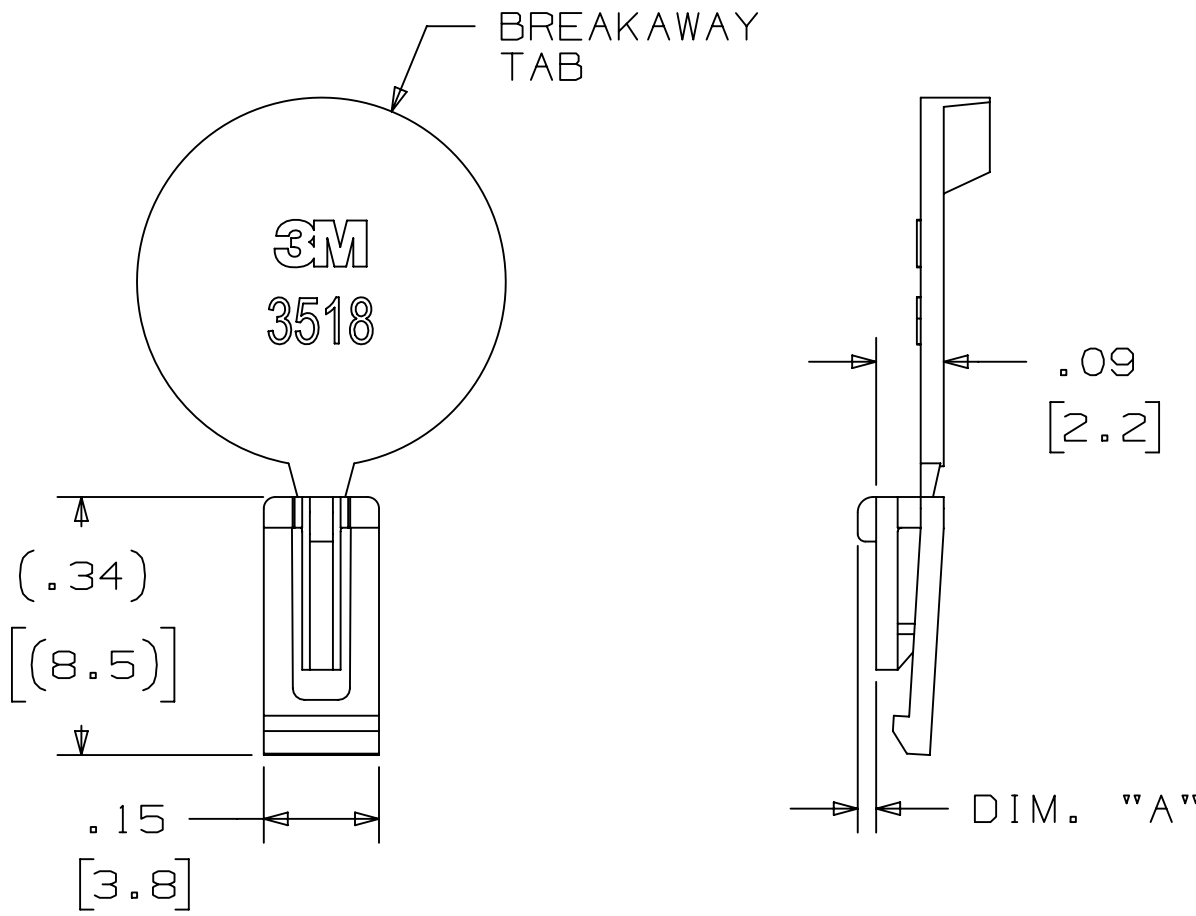
POLARIZING POST



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 05, 2014	JNC	RS
XXXXXX	XXXXXX	8	ECO	DATE 05, 2014	JNC	RS
XXXXXX	XXXXXX	9	ECO	DATE 05, 2014	JNC	RS
XXXXXX	XXXXXX	10	ECO	DATE 05, 2014	JNC	RS
XXXXXX	XXXXXX	11	ECO	DATE 05, 2014	JNC	RS
XXXXXX	XXXXXX	12	ECO	DATE 05, 2014	JNC	RS
XXXXXX	XXXXXX	13	ECO	DATE 05, 2014	JNC	RS
XXXXXX	XXXXXX	14	ECO	DATE 05, 2014	JNC	RS
XXXXXX	XXXXXX	15	ECO	DATE 05, 2014	JNC	RS
XXXXXX	XXXXXX	16	ECO	DATE 05, 2014	JNC	RS
XXXXXX	XXXXXX	17	ECO	DATE 05, 2014	JNC	RS
XXXXXX	XXXXXX	18	ECO	DATE 05, 2014	JNC	RS
XXXXXX	XXXXXX	19	ECO	DATE 05, 2014	JNC	RS
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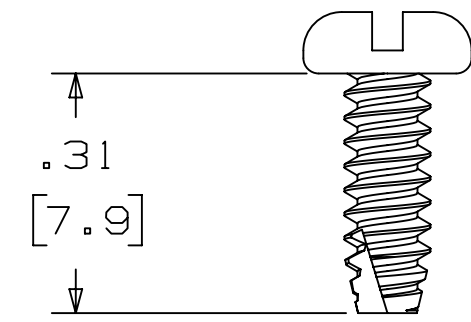
Division	Interconnect Solutions	Division Code	EMSD
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES .00 ±.01 .000 ±.005 .0000 ±.0002	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ±.00 ±.000 ±.000	
MAX SURFACE ROUGHNESS		ALL SURFACES	
MARKED ONLY		ANGLES	

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
SHT	3 OF 5

3M™ THREE-WALL HEADER, 3000 SERIES

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

MOUNTING HARDWARE



3341-5

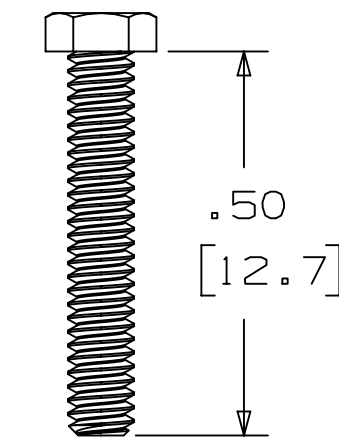
(INSTALL FROM BOTTOM OF BOARD)

PANHEAD THREAD CUTTING SCREW:

#4-24 X 5/16"
TYPE: UCA STD

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

MATERIAL: STAINLESS STEEL

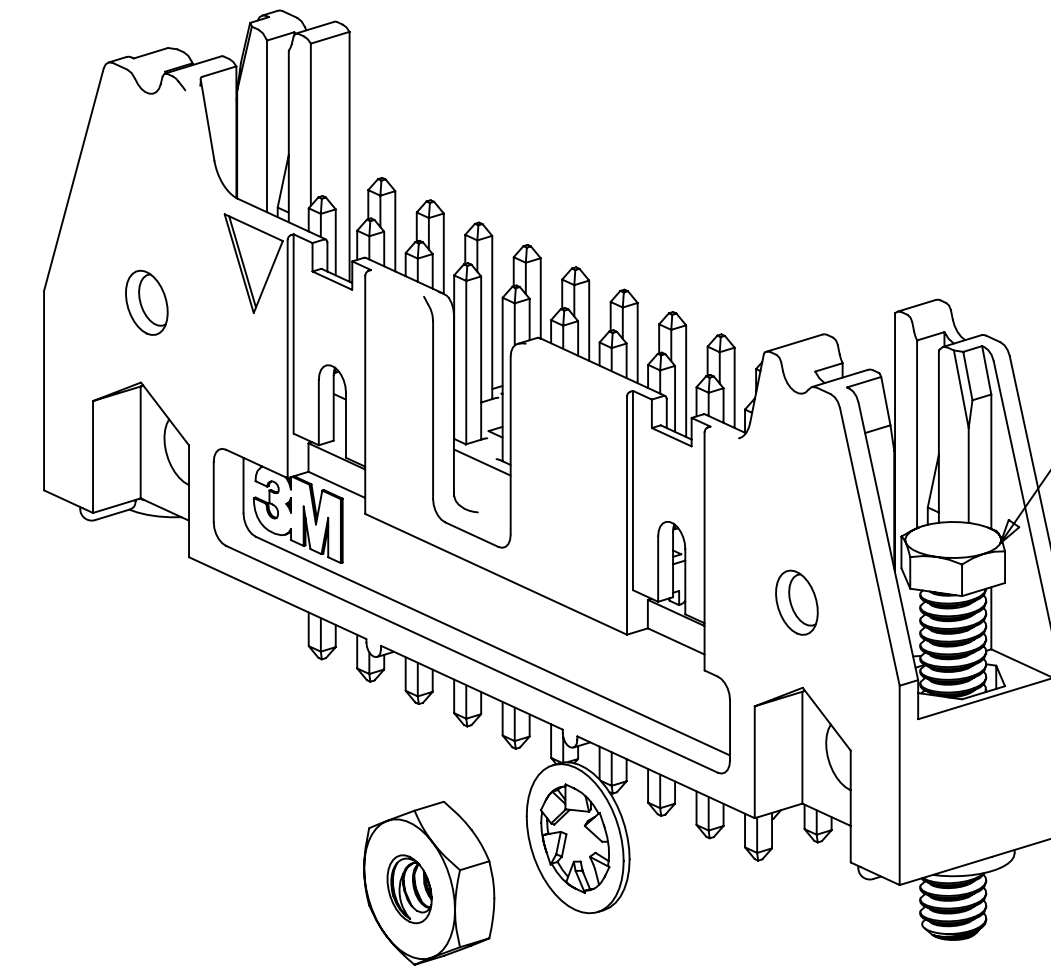
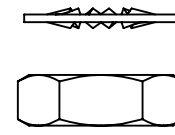


3341-6

HEX HEAD BOLT, NUT AND WASHER:

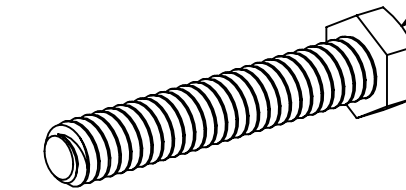
BOLT - #2-56 X 1/2"
MATERIAL - STAINLESS

MATERIAL: STAINLESS STEEL



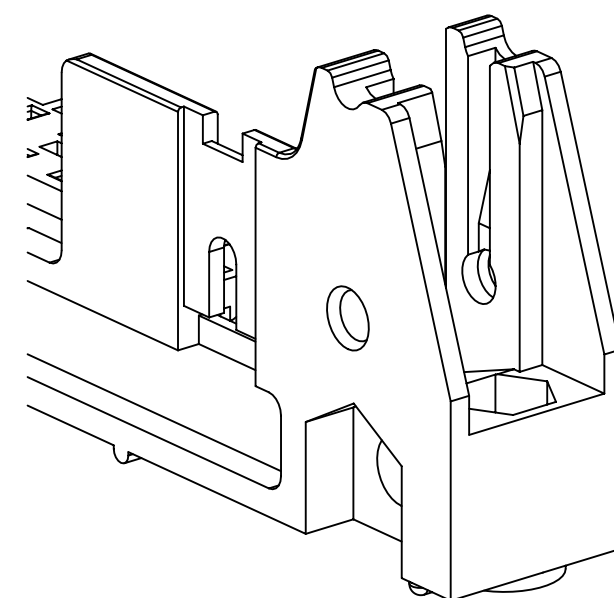
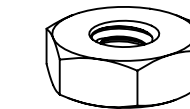
— STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

— RIGHT ANGLE VERSION INSTALL

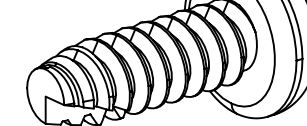


3341-6

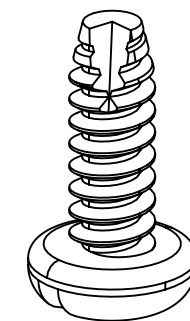
#2-56 NUT AND BOLT



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



3341-5



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	CAS TIGLIONE	DATE AUG 05,2014	APPR R. SCHERER	DATE SEP 05,2014
CHKD		DATE		

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

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3M™ THREE-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

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DRFT	CAS	DATE	DATE	DATE
CHKD	GL	AUG 05,2014	APPR	SEP 05,2014
			R. SCHERER	
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		ALL SURFACES		
MARKED ONLY		ANGLES		
TITLE		CAGE NUMBER		
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA		DRAWING NO.		
MODEL		REV.		
3400		DET		
		LISTS		
		YES		
		NO		
		SHT 5 OF 5		