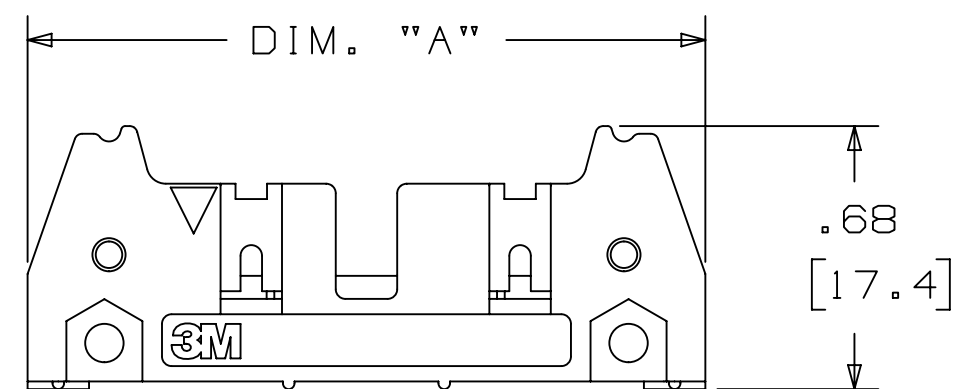
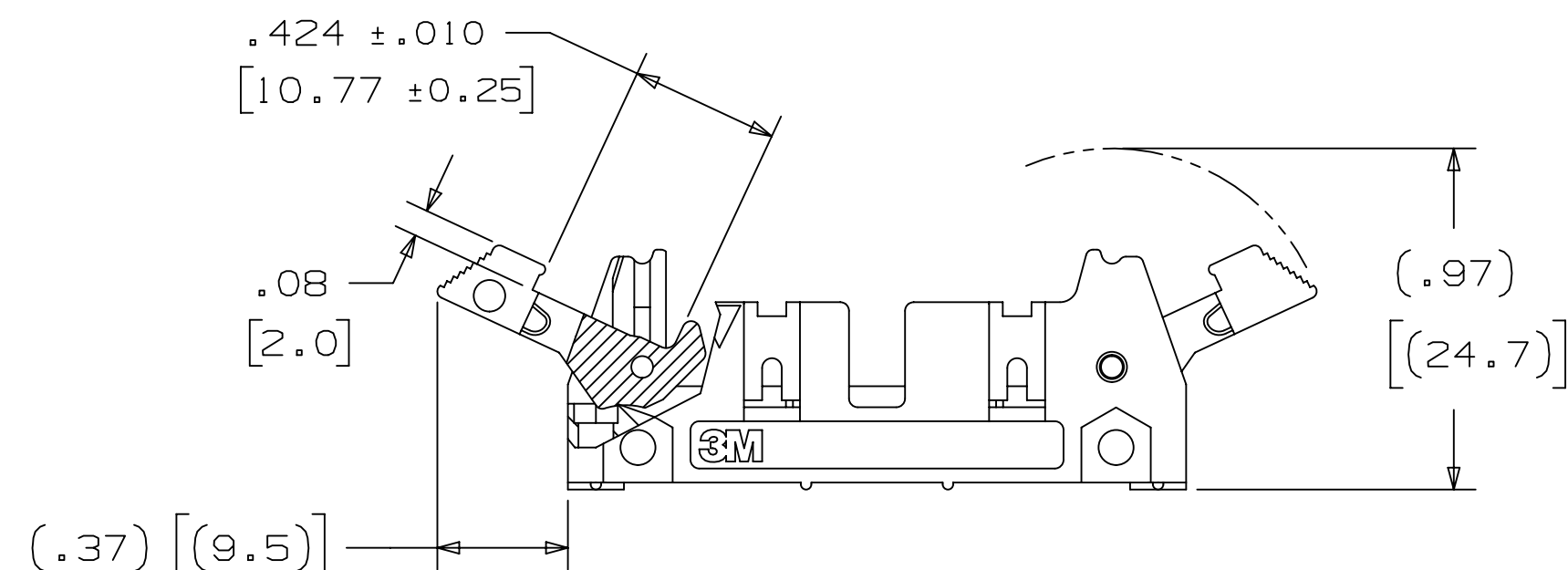


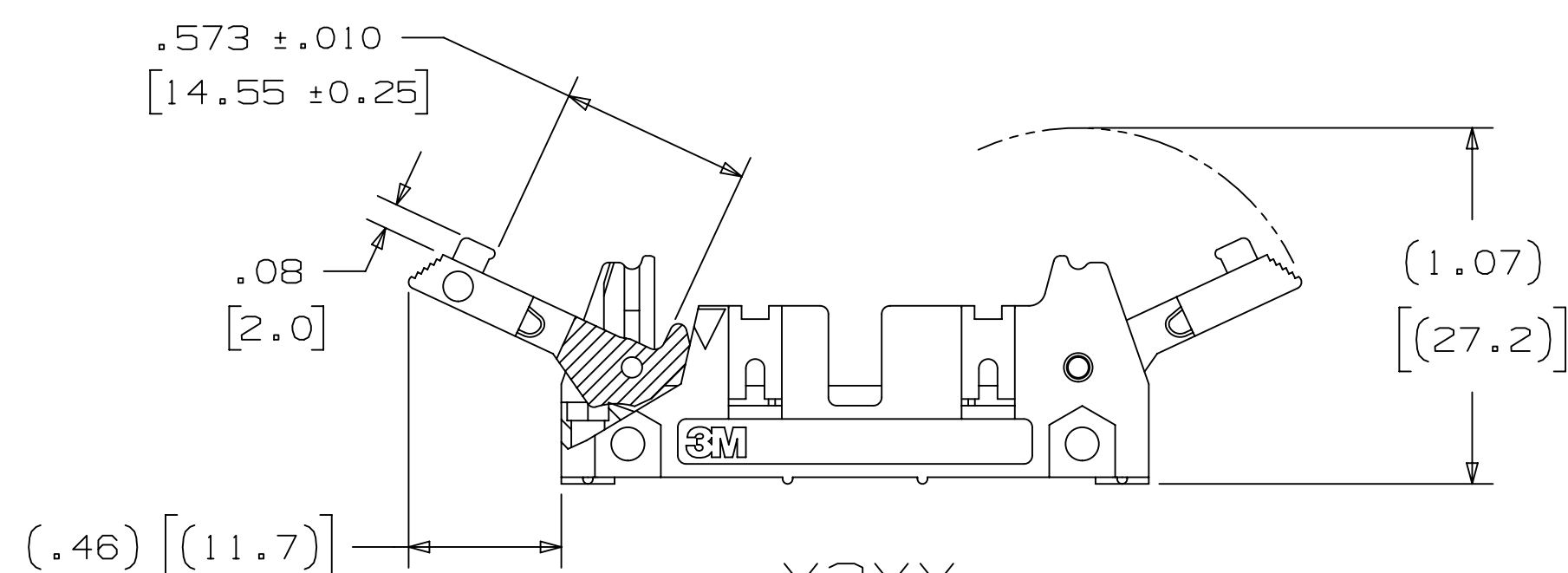
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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: HIGH TEMP GLASS FILLED POLYESTER (PCT)
MATERIAL: UL94V-0
FLAMMABILITY: BLACK
COLOR: BLACK
CONTACT: COPPER ALLOY
MATERIAL: PLATING:
UNDER PLATING: 50μ"-150μ" [1.27μm-3.81μm] NICKEL-OVERALL
WIPING AREA: 30μ" [0.76μm] 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	JUN 22,2021	REMOVE 05 WWT TAILS	JNC	SAN
J	93619	JAN 07,2021	REVISED ORDERING INFO	JNC	SAN
H	60056	MAR 06,2015	REMOVE TIN LEAD PLATE AND KINK TAILS	JNC	RS
G	56068	AUG 05,2014	REVISED ORDERING NUMBER	JNC	RS
			REVISED AND REDRAWN		
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD	
DRFT	CAS TIGLIONE	DATE AUG 05,2014	MFG	DATE	
CHKD		DATE	APPR. R. SCHERER	DATE SEP 05,2014	
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TITLE					
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA					
CAGE NUMBER	SIZE	DRAWING NO.			REV.
340	D	278-5100-0771-5			L
MODEL	DATE	DET.	DES.	CHKD	BY
		SHT 1 OF 5			

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UL[®]
US
UL FILE NO: E68080

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

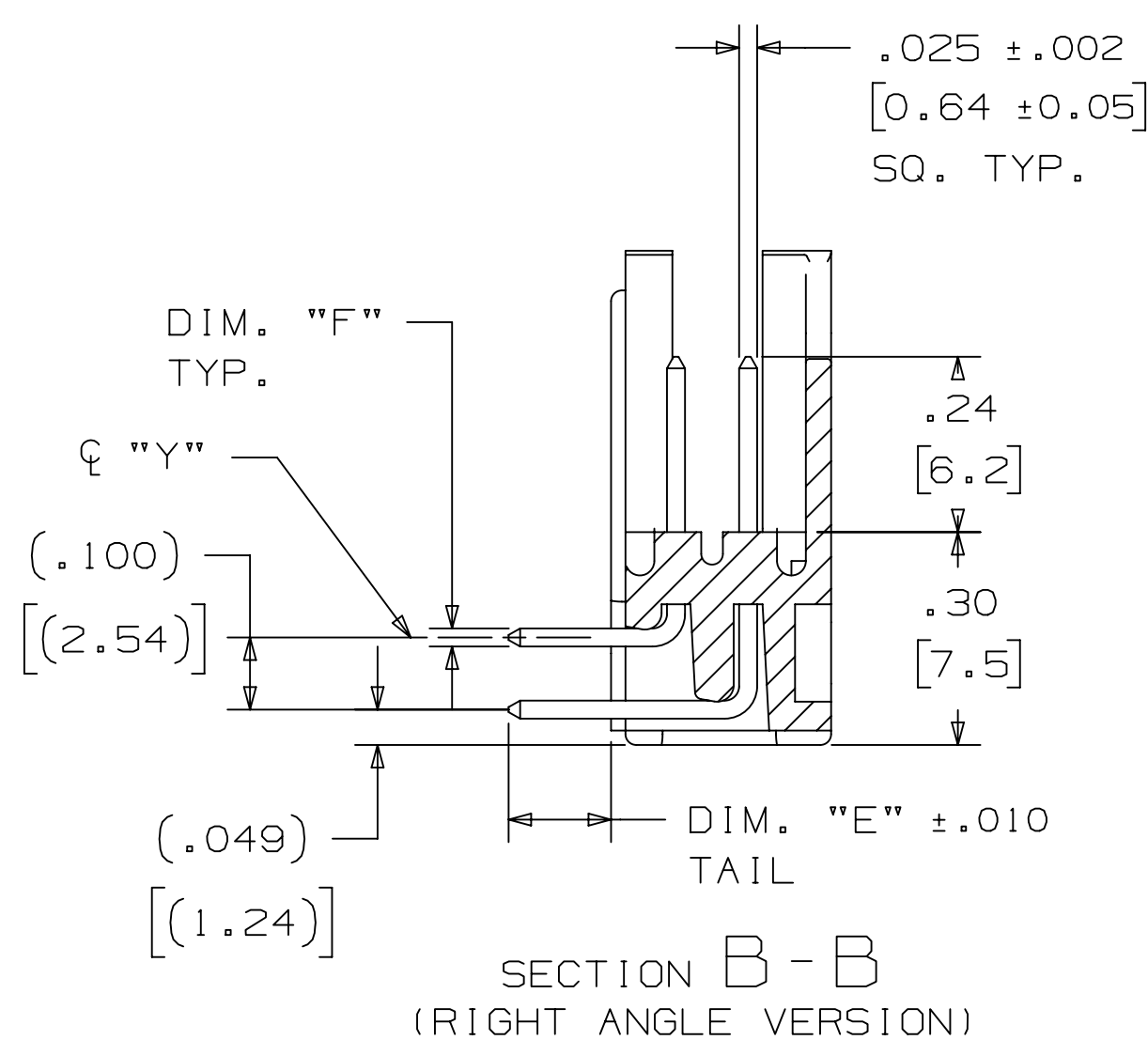
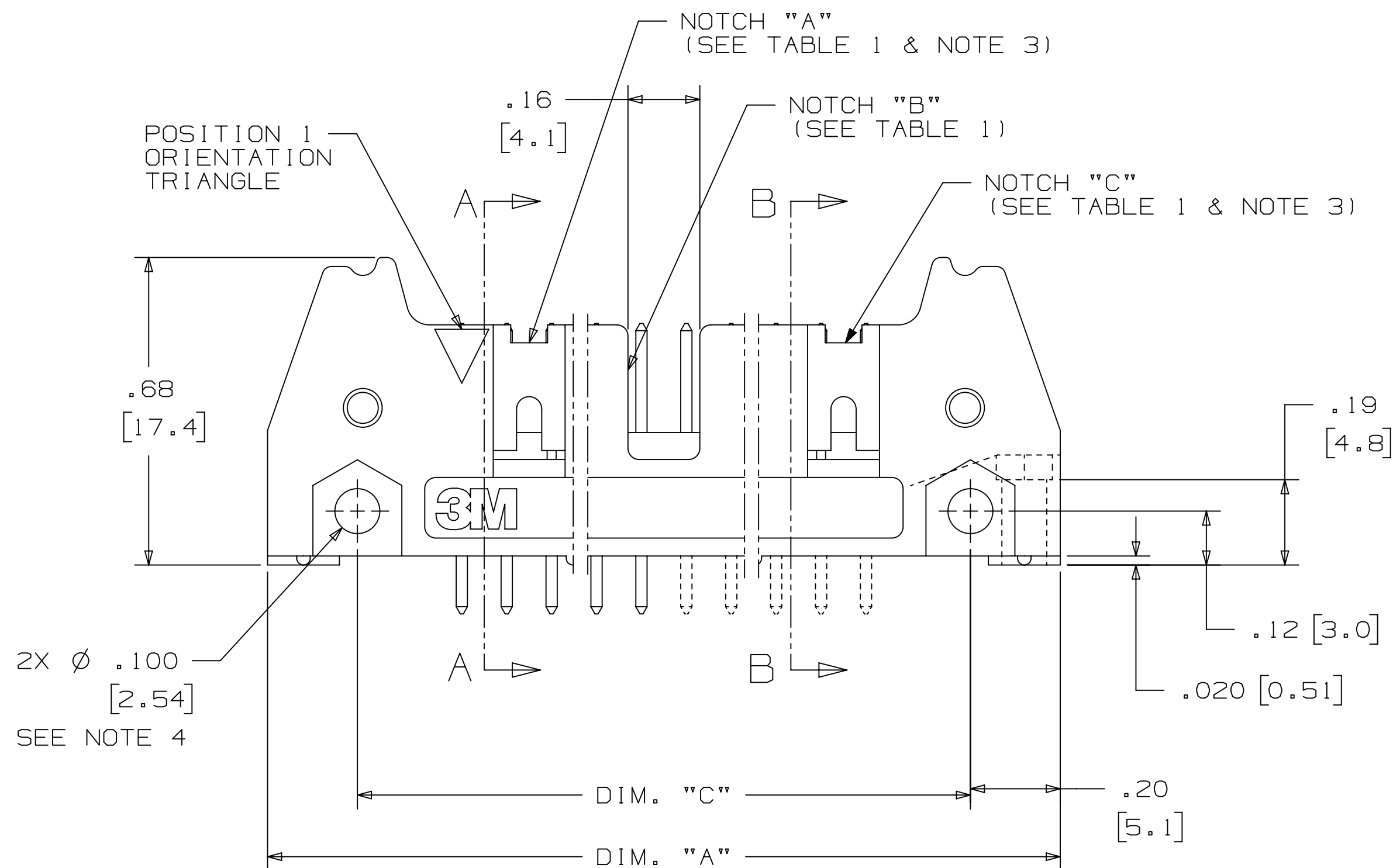
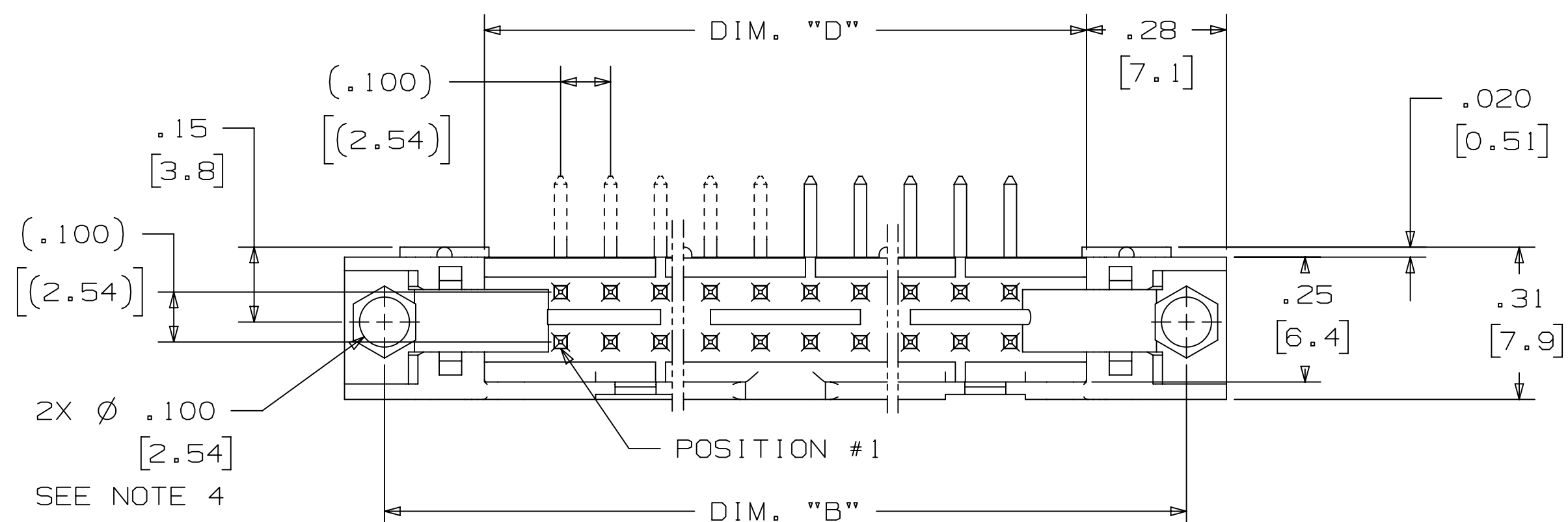


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20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



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 AUG 05,2014	APPROVAL SCHERRER	DATE OCT 05,2014

DESIGN REFERENCE	NEXT	ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
ADDRESS CODES			DRFT CASTIGLIONE	DATE AUG 05, 2014	MFG	DATE	
			CHKD	DATE	APPRV. R. SCHERER	DATE SEP 05, 2014	
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		INCHES					
		.00 ±.1 .00 ±.01 .0000 ±.005 .0000 ±.0002					
THIRD ANGLE PROJECTION		MILLIMETERS					
INTERPRET PER ASME Y14.5 - 2018		.0 .0 .00 ±.1 .00 ±.01 .0000 ±.005 .0000 ±.0002					
MAX SURFACE ROUGHNESS ☒ ALL SURFACES ☐ MARKED ONLY		CAGE NUMBER D 78-5100-0771-5					
☒ ALL SURFACES ☐ MARKED ONLY		MODEL 3400 DET. ☐ YES ☒ NO SHT 2 OF 5					

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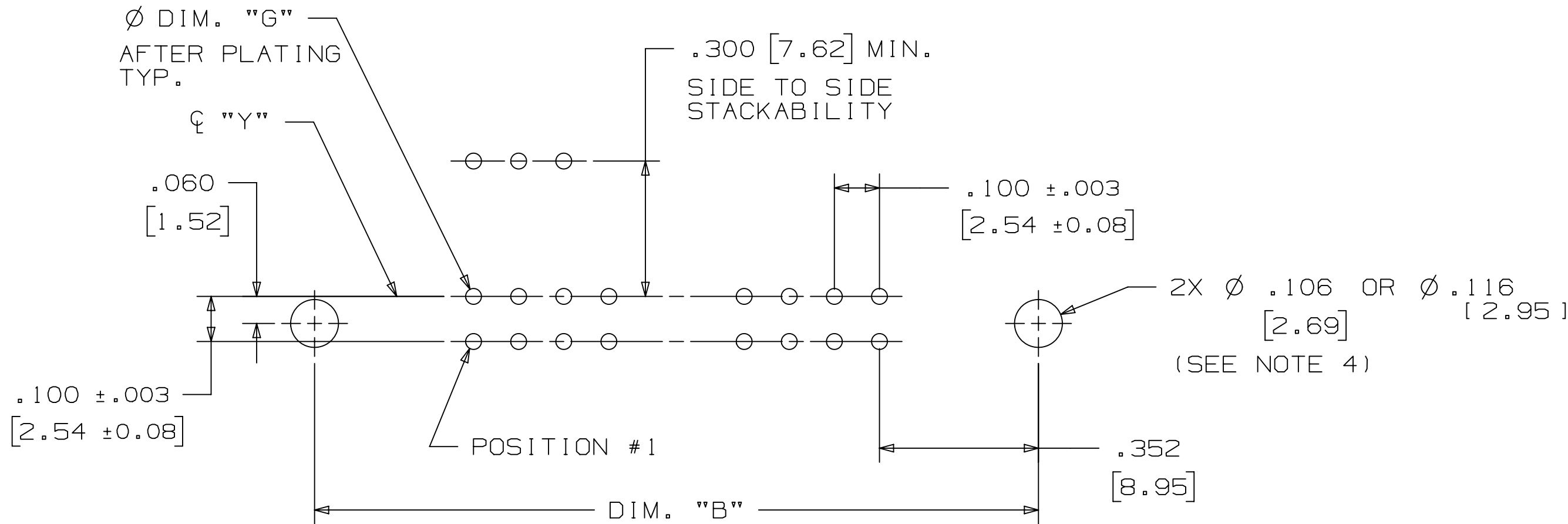
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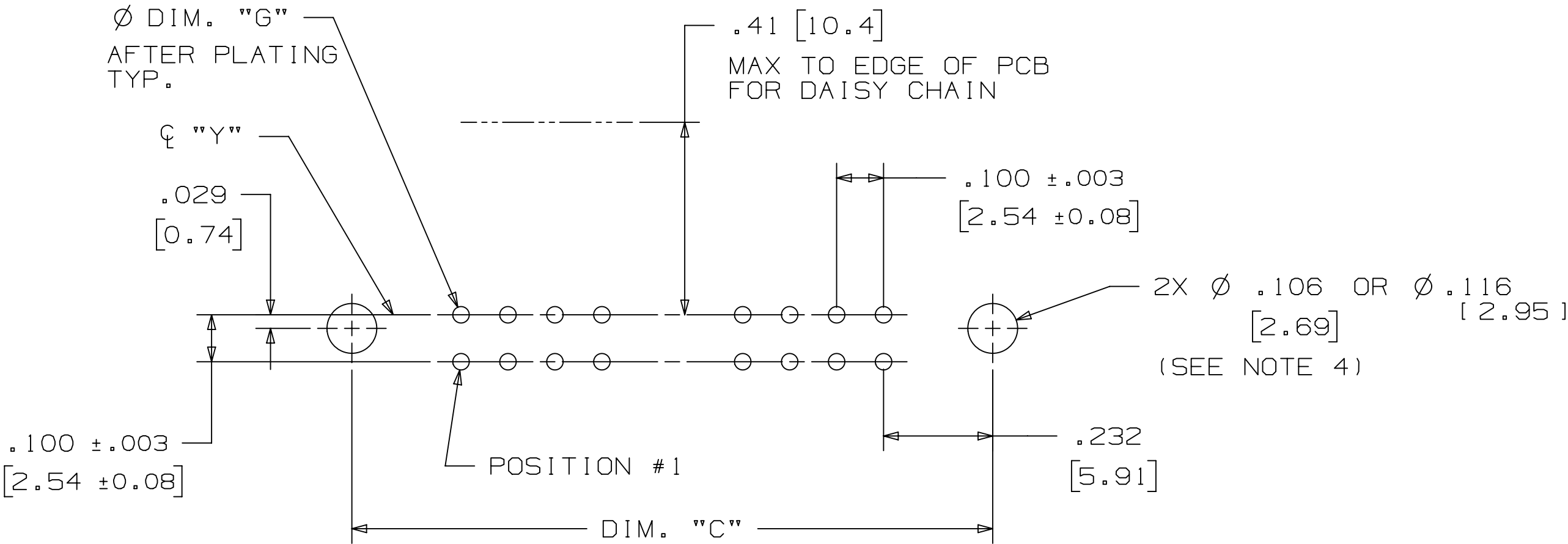
TITLE
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA

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

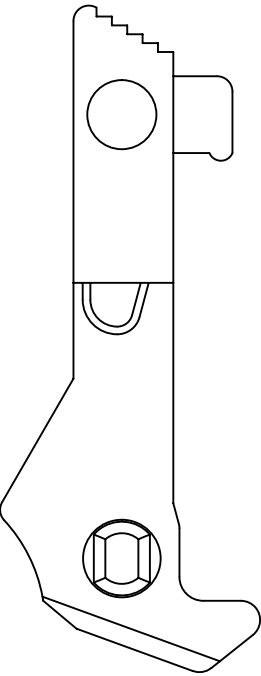
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

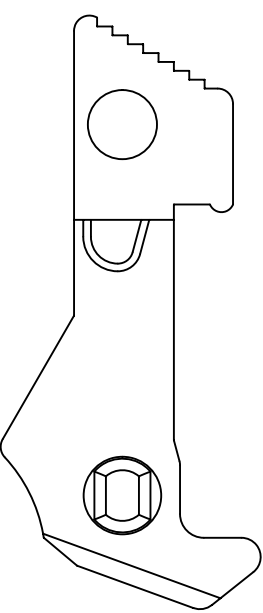
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

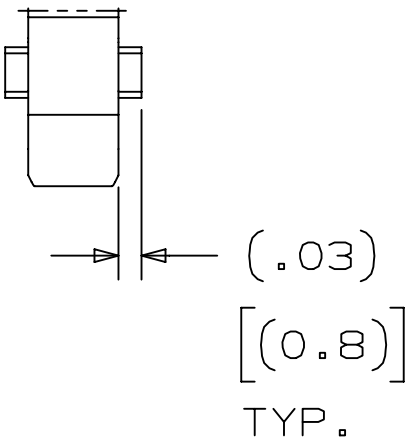


LONG



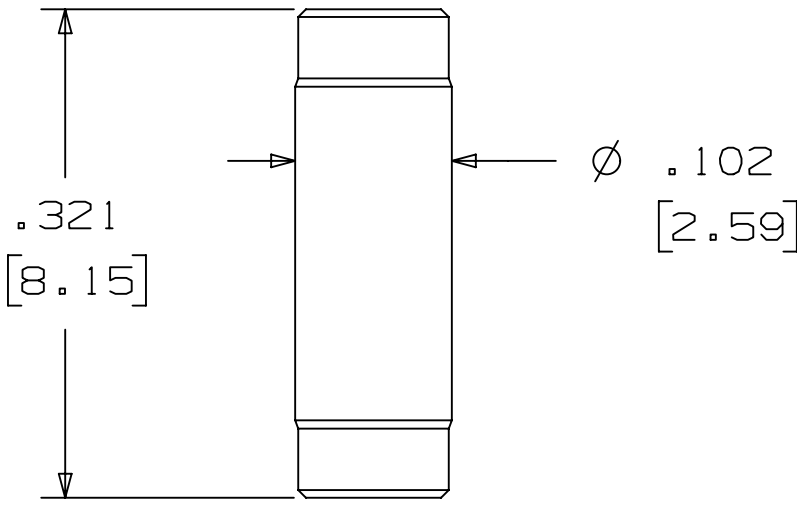
SHORT

SNAP-IN LATCHES



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

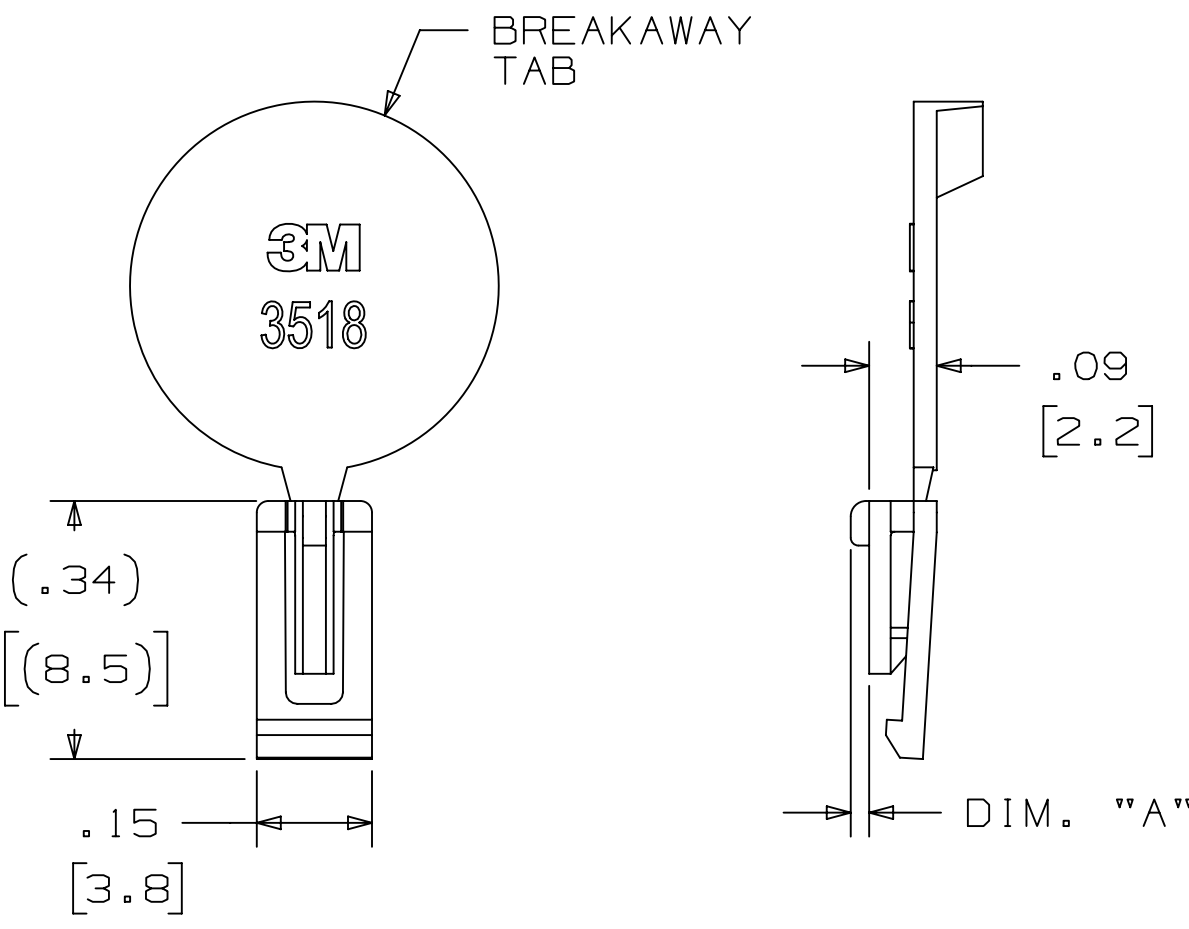
POLARIZING POST



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



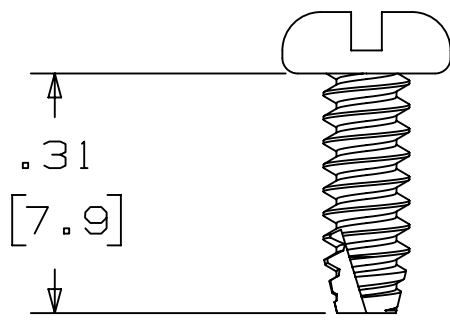
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

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

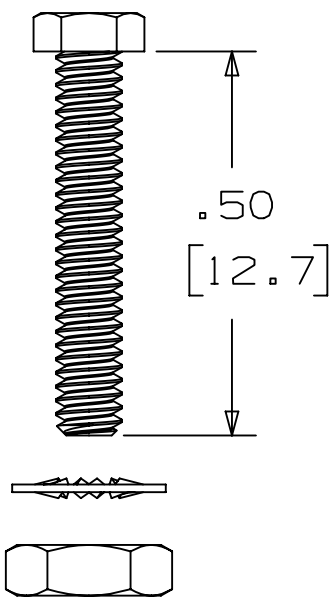
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ACCESS CODES				DRFT	CASTIGLIONE	DATE	AUG 05, 2014	MFG	DATE
				CHKD		DATE		APPRV	R. SCHERER
								DATE	SEP 05, 2014
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Interconnect Solutions		EMSD							
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED							
		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.	
				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

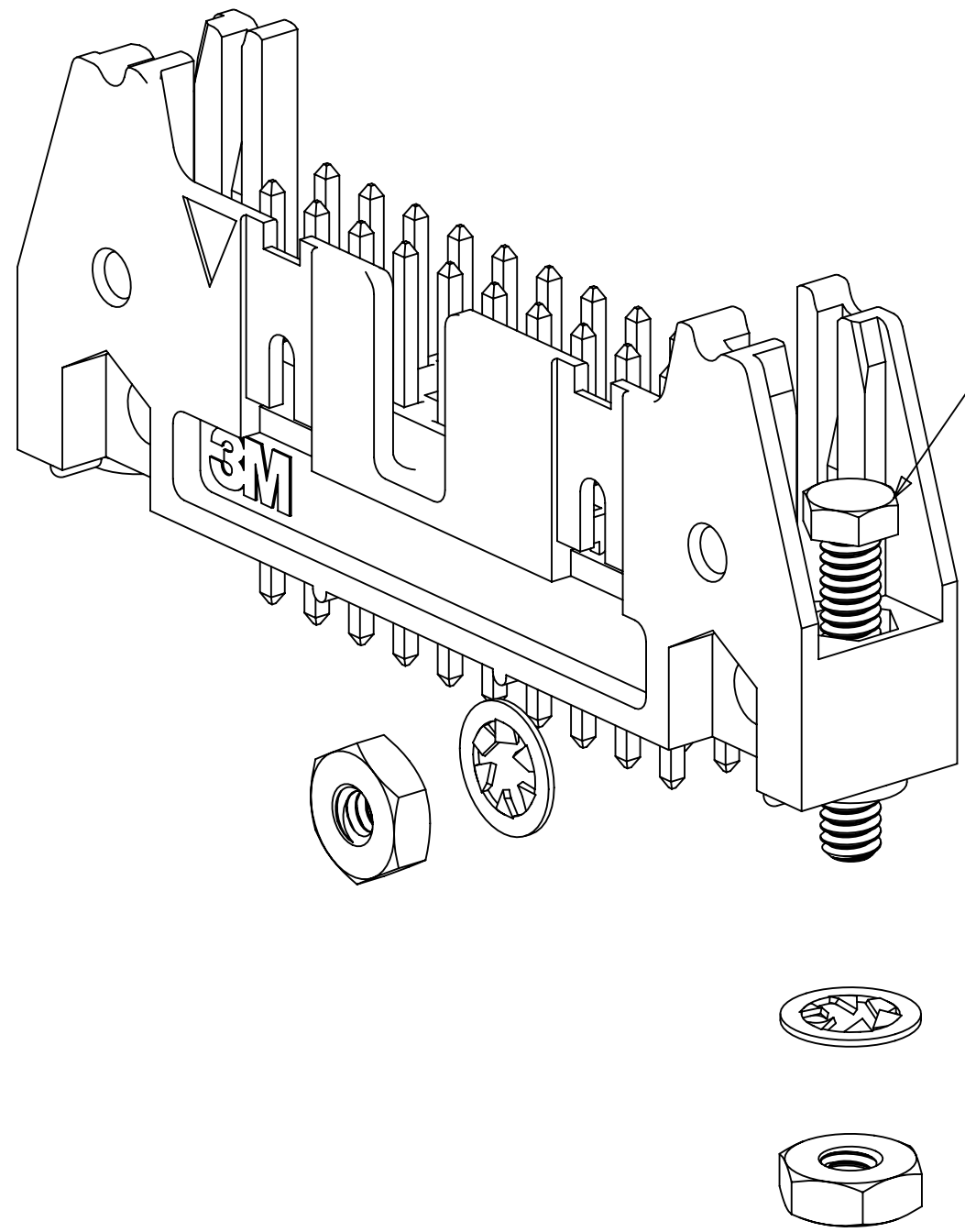
MOUNTING HARDWARE



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

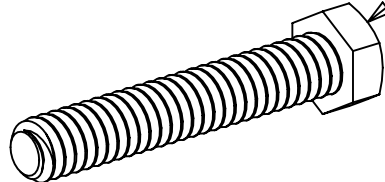


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL

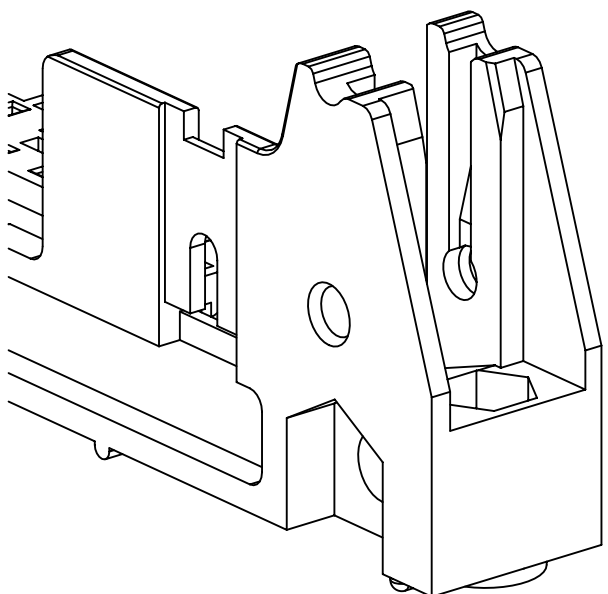


STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

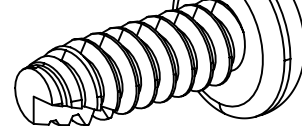
RIGHT ANGLE VERSION INSTALL



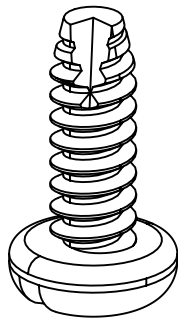
3341-6
#2-56 NUT AND BOLT



#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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ACCESS CODES				DRFT		DATE		MFG		DATE			
				CHKD		DATE		APPR. R. SCHERER		DATE		SEP 05, 2014	
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Interconnect Solutions		EMSD		St. Paul, MN 55144				This document contains 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.					
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		INCHES		TITLE				HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA					
THIRD ANGLE PROJECTION		.0 ± .1 .00 ± .01 ± .005 ± .002 ± .000		MILLIMETERS									
INTERPRET PER ASME Y14.5 - 2018		.0 ± .1 .00 ± .01 ± .005 ± .002 ± .000		CAGE NUMBER		SIZE		DRAWING NO.		REV.			
MAX SURFACE ROUGHNESS		.0 ± .1 .00 ± .01 ± .005 ± .002 ± .000		D		78-5100-0771-5		L					
✓ ☐ ALL SURFACES		ANGLES		MODEL		3400		DET.		LISTS		YES ☒ NO ☐ SHT 4 OF 5	
✓ ☒ MARKED ONLY													

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

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DRFT	C	ASTIGLIONE	DATE	DATE
CHKD		DATE	APPR	DATE
			R. SCHERER	SEP 05,2014
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		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 SIZE DRAWING NO. REV.		
		MODEL 3400 DET LISTS YES NO SHT 5 OF 5		

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