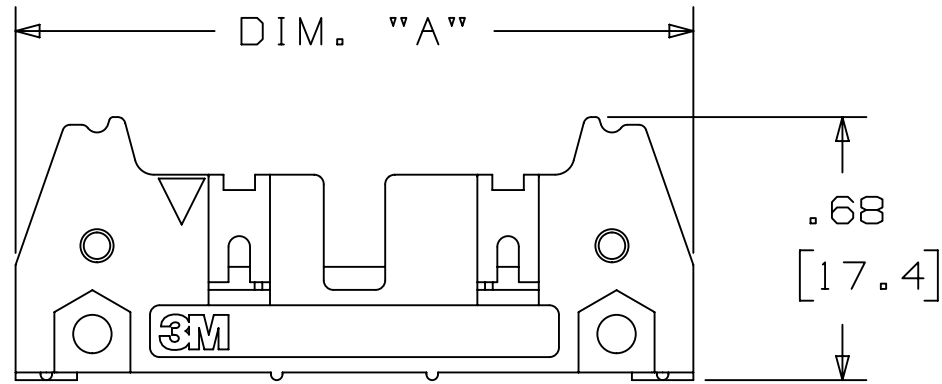


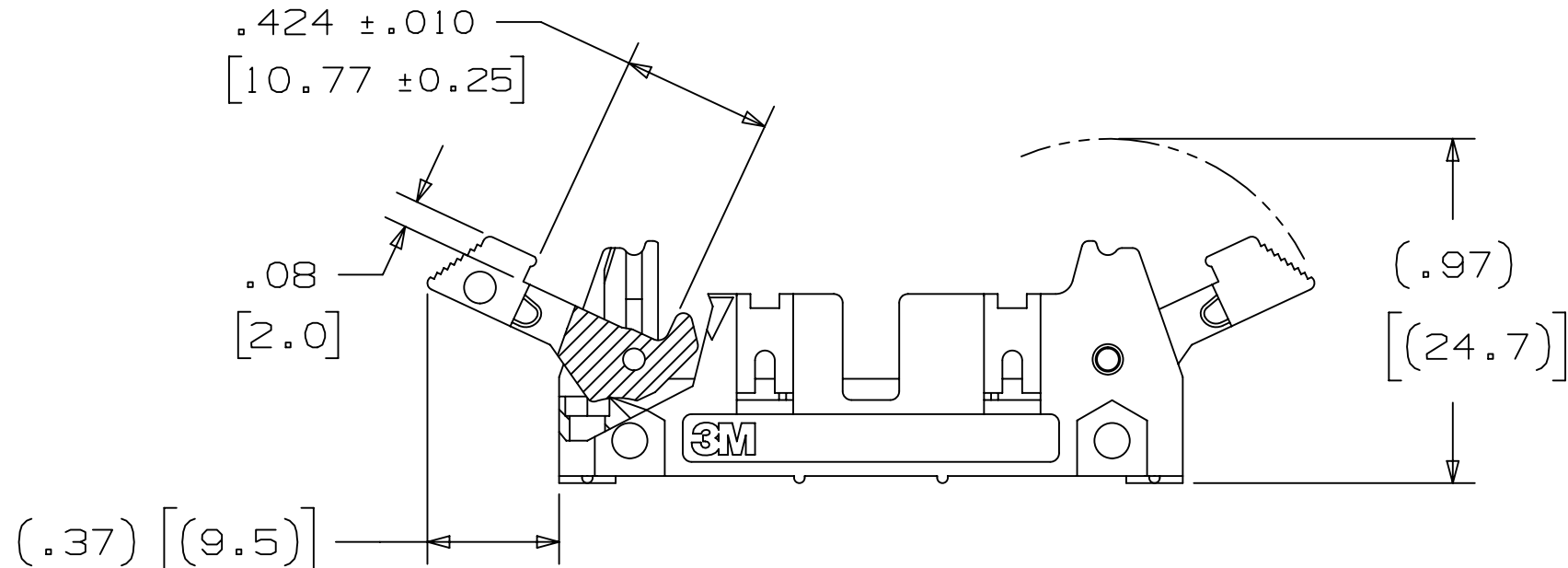
3M™ THREE-WALL HEADER, 3000 SERIES

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



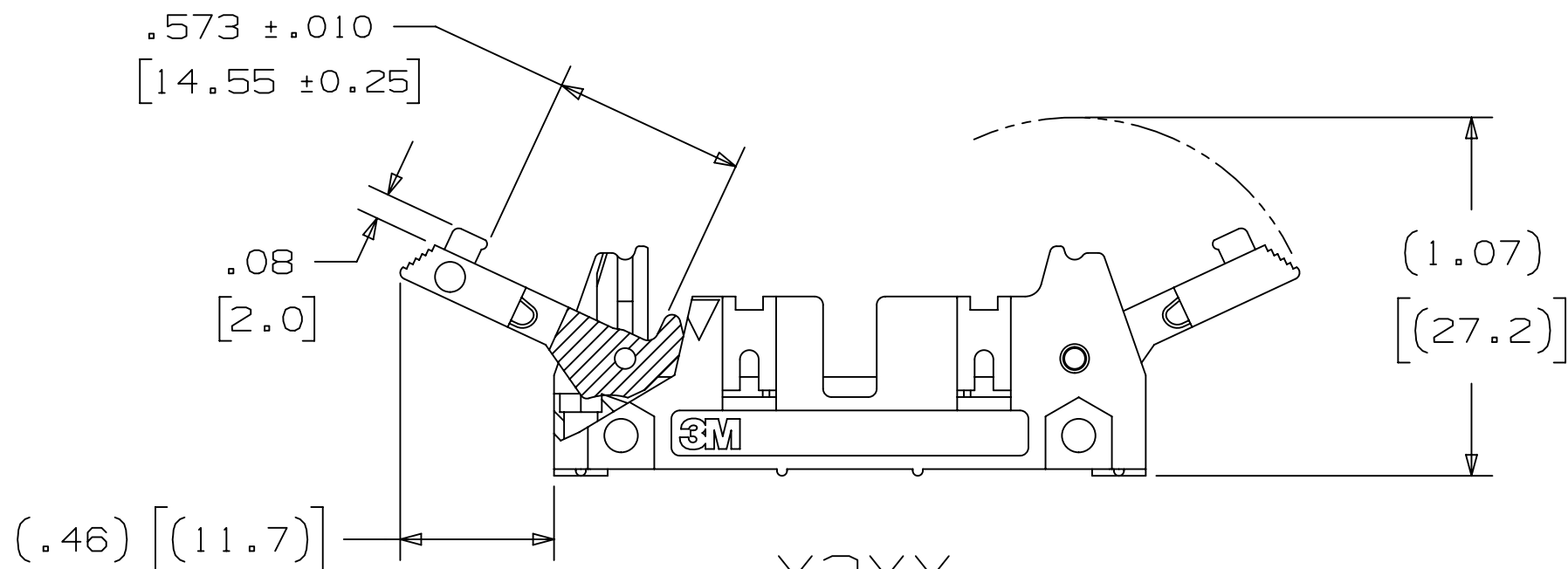
-X0XX

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

2 PHYSICAL :

INSULATOR: HIGH TEMP GLASS FILLED POLYESTER (PCT)
MATERIAL: UL94V-0
FLAMMABILITY: BLACK
COLOR: BLACK
CONTACT: COPPER ALLOY
MATERIAL: PLATING: 50μ"-150μ" [1.27μm-3.81μm] NICKEL-OVERALL
WIPING AREA: 30μ" [0.76μm] AVG. GOLD
UNDER PLATING: (SEE ORDERING INFORMATION)
SOLDER TAILS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE
MARKINGS:

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 X 10⁹Ω 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)

ORDERING INFORMATION

X3XXX-XXXXXX

N= HIGH TEMP BLACK (PCT)/(RB PLATING REQ'D)

3M PART NUMBER:
(SEE TABLE 1)

PLATING:
RB = 200μ" [5.08μm] MATTE TIN TAILS

PIN CONFIGURATION:
1 = RIGHT ANGLE SOLDER TAILS
2 = STRAIGHT SOLDER 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

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INTERCONNECT SOLUTIONS
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UL FILE NO: E68080

- NOTES
1. REGULATORY INFORMATION:
VISIT 3M.com/regs
 2. IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION TAKES PRECEDENT.
 3. NOTCHES A & C WILL ACCOMMODATE
3M POLARIZING KEY: N3518).
 4. MOUNTING HARDWARE:
FROM SOLDER SIDE OF PC BOARD
USE #4-24 THREAD CUTTING SCREW
(3M PART #3341-5) WITH
Ø.116 [2.95] MOUNTING HOLE.
FOR RIGHT ANGLE VERSION ONLY:
#2-56 BOLT AND NUT (3M PART
#3341-6) WITH Ø.106 [2.69]
MOUNTING HOLE MAY BE USED.

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

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	DRFT	CASTIGLIONE	DATE AUG 05,2014	MFG	DATE
CHKD	DATE	APPR	R. SCHERER	DATE SEP 05,2014		
Division Interconnect Solutions		Division Code EMSD		TOLERANCES EXCEPT AS NOTED		
DO NOT SCALE DRAWING		SCALE		INCHES .00 ±.01 .000 ±.005 .0000 ±.0002		
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ±.00 ±.000 ±.000		
MAX. SURFACE ROUGHNESS		ALL SURFACES		ANGLES		
MARKED ONLY						

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	CASTIGLIONE		DATE	AUG 05,2014	MFG	DATE
CHKD	DATE		APPR		R. SCHERER	DATE
				SEP 05,2014		
		© 3M COPYRIGHT 2024				
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TITLE						
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA						
CAGE NUMBER	SIZE	DRAWING NO.				REV.
D	1	278-5100-0771-5				L
MODEL	3400	DET. LISTS		☐ YES ☒ NO		SHT 1 OF 4

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TITLE		HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA		CAGE NUMBER	
SIZE		DRAWING NO. D78-5100-0771-5		REV. L	
MODEL		3400		DET	
LISTS		YES		SHT 1 OF 5	

3M™ THREE-WALL HEADER, 3000 SERIES

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

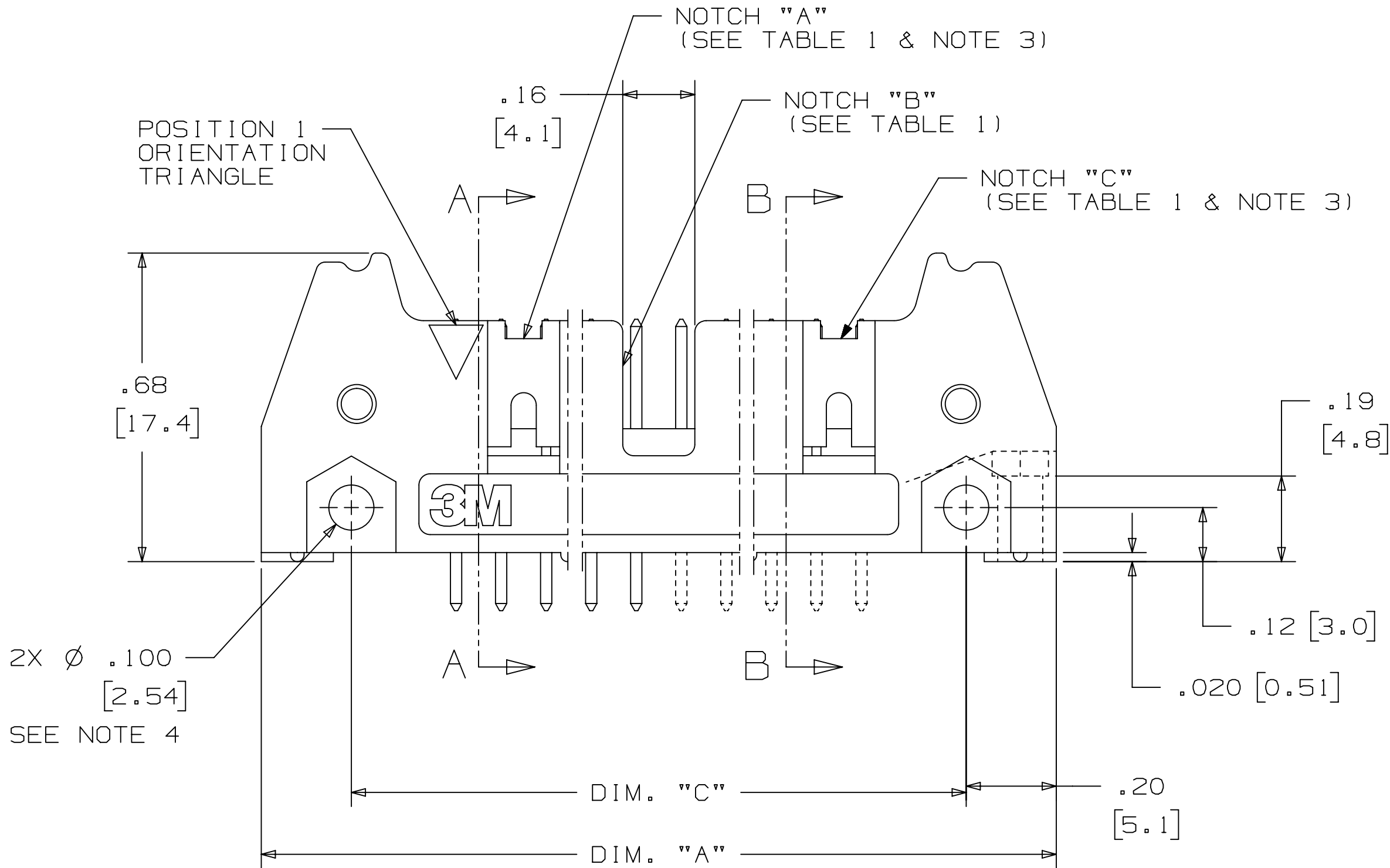
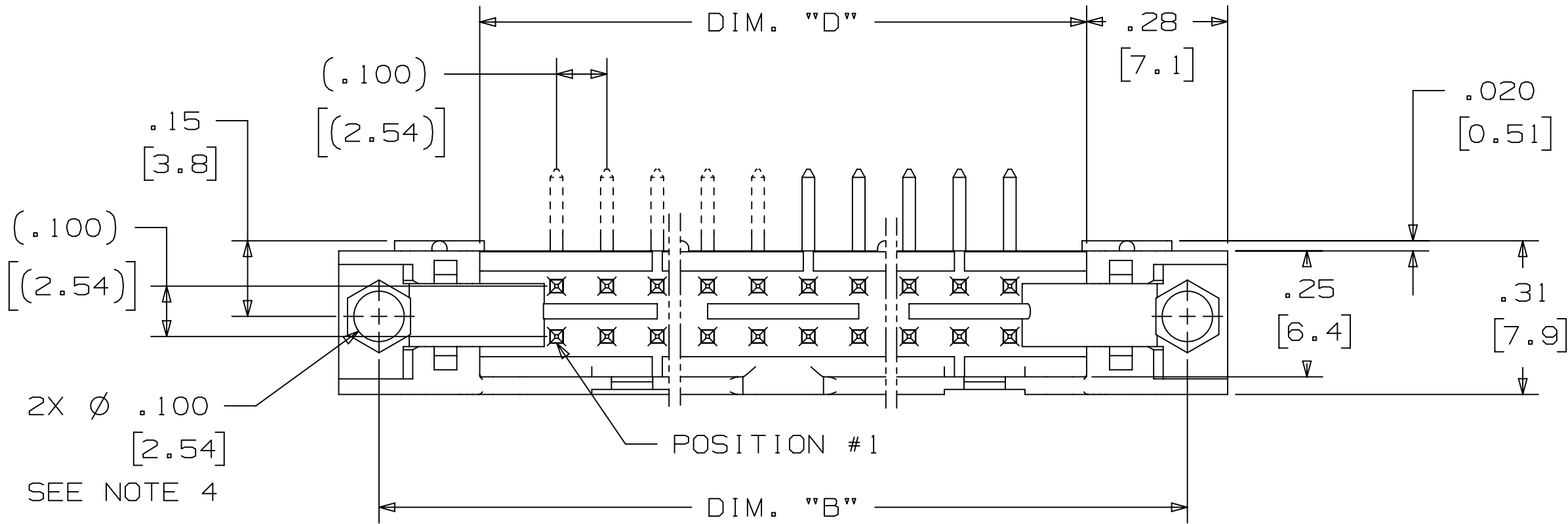
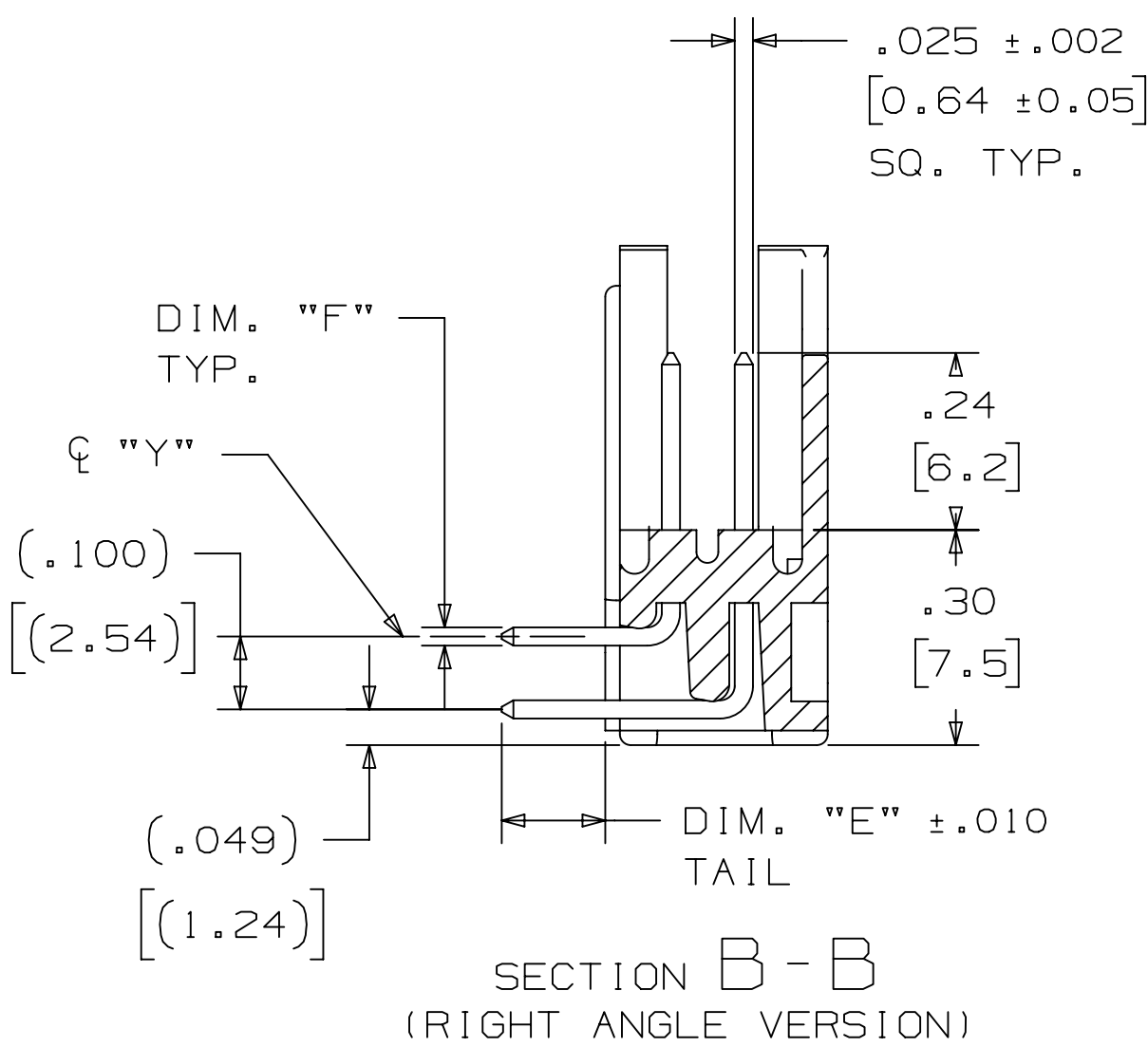
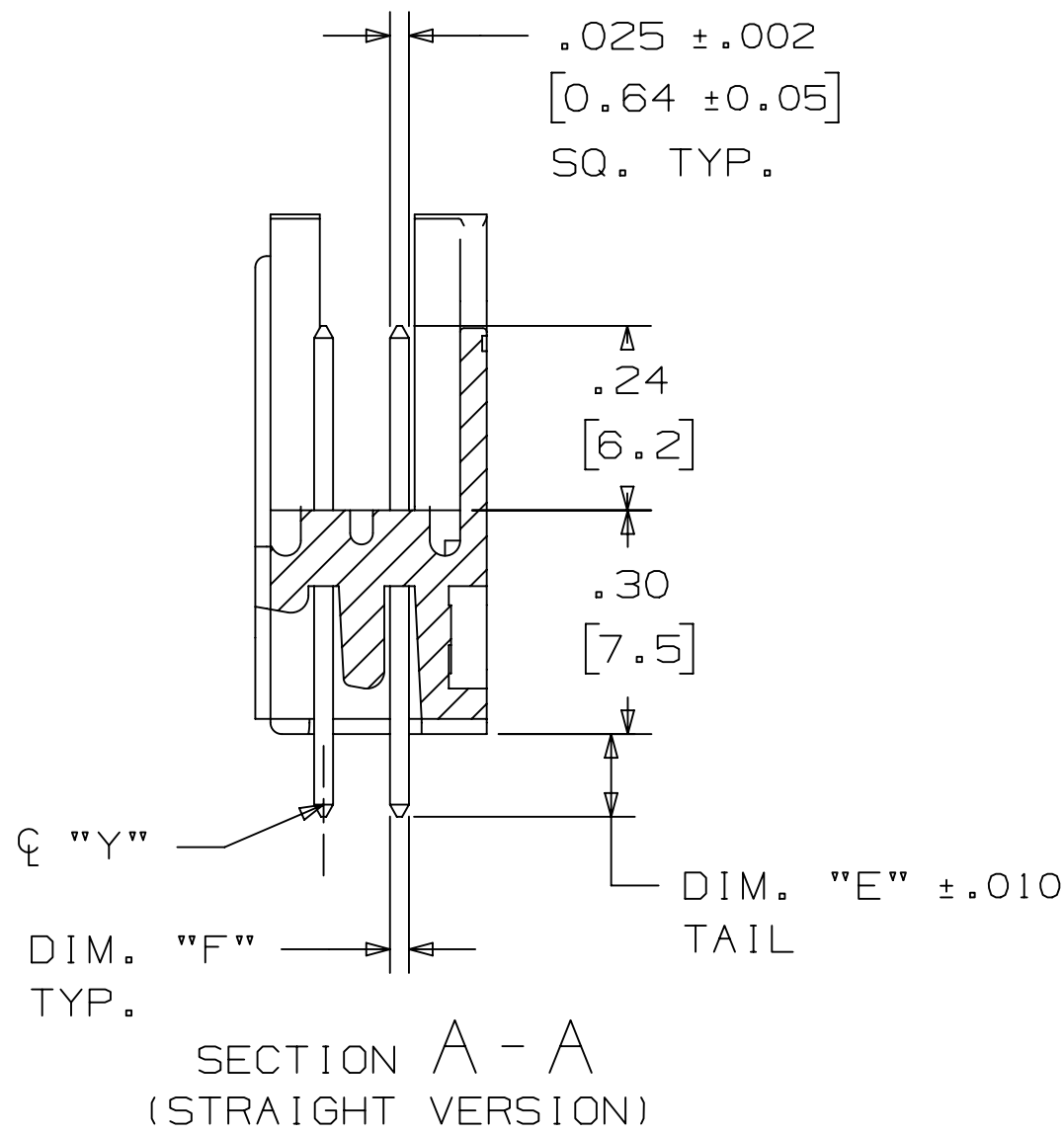


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20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

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	MFR	DATE
CHKD		DATE	APPR	DATE
			R. SCHERER	SEP 05,2014

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DESIGN REFERENCE
NEXT ASSEMBLY

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

MAX. SURFACE ROUGHNESS
ALL SURFACES
MARKED ONLY

INTERPRET PER
ASME Y14.5 - 2018

INCHES
±.1
±.01
±.005
±.0002

MILLIMETERS
0
±
±
±

ANGLES
±

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St. Paul,
MN 55144

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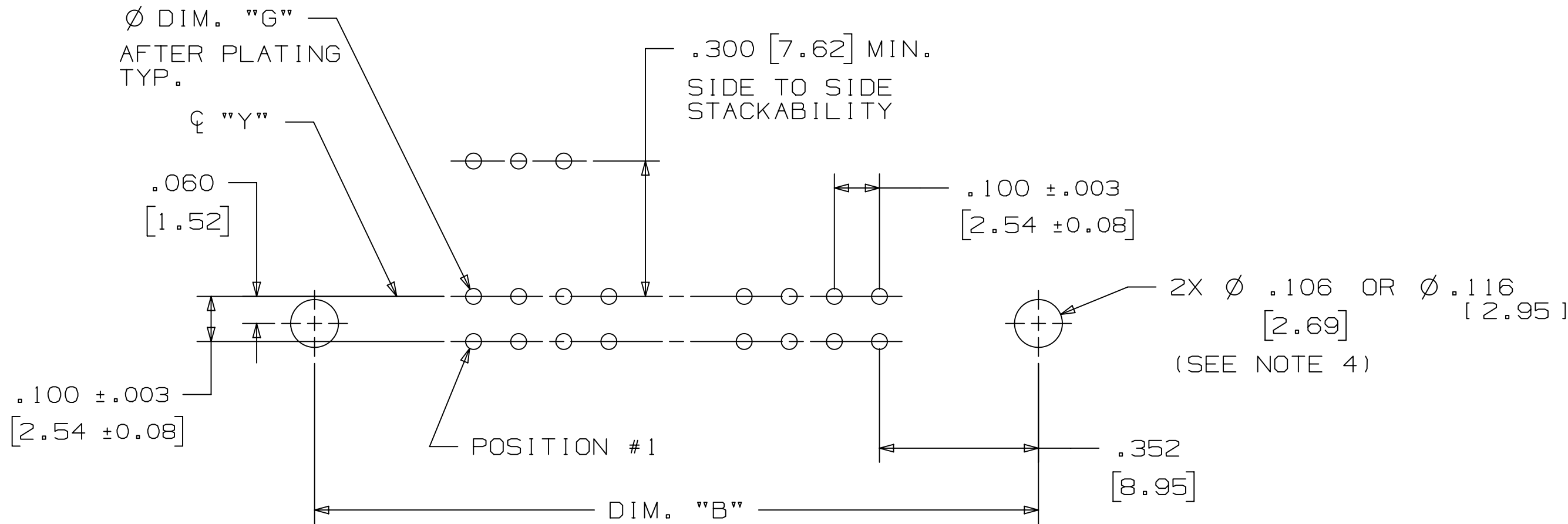
TITLE
HEADER, 3-WALL, .100
X .100 LATCH/EJECTOR,
STRAIGHT AND RA

CAGE NUMBER
SIZE
DRAWING NO.
DET
L
REV.

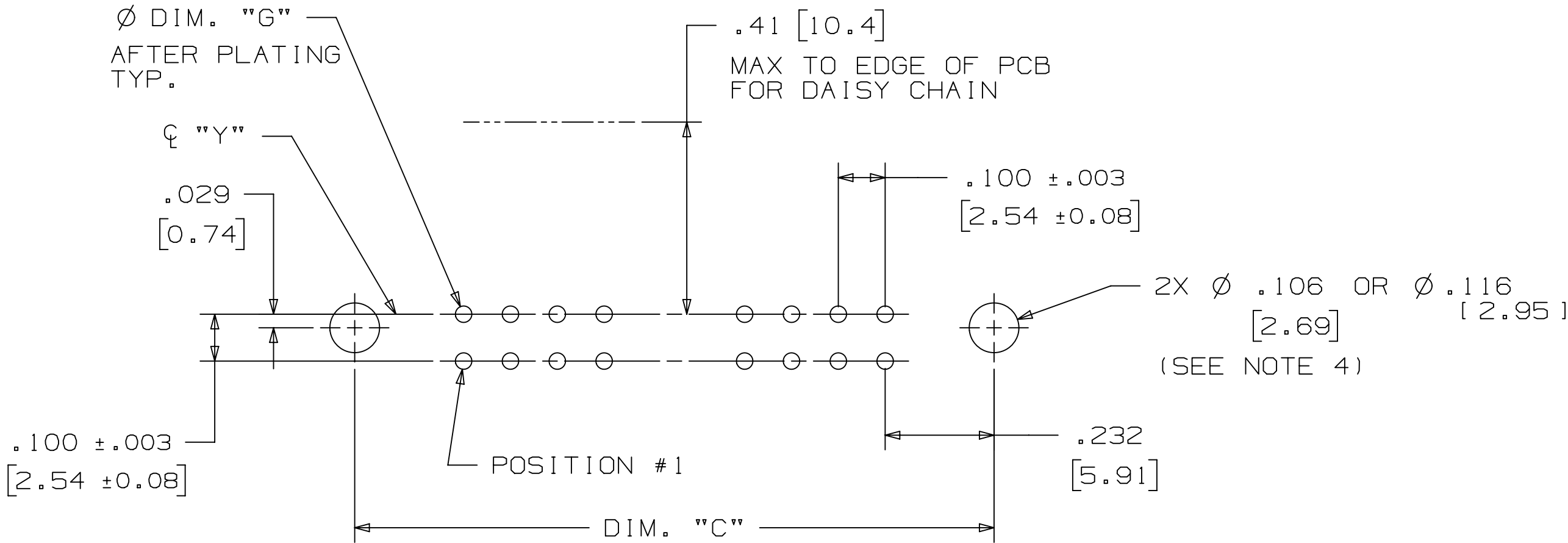
MODEL
3400

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

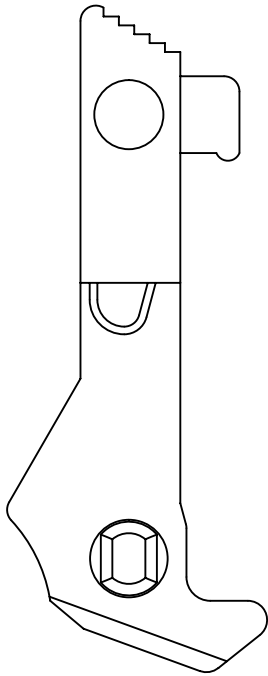
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

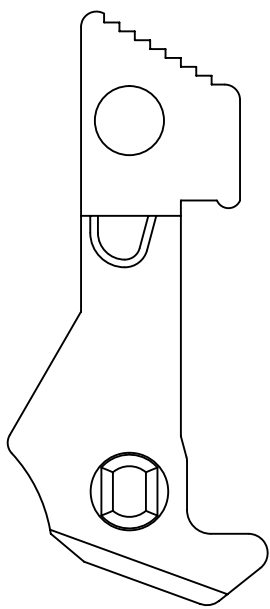
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

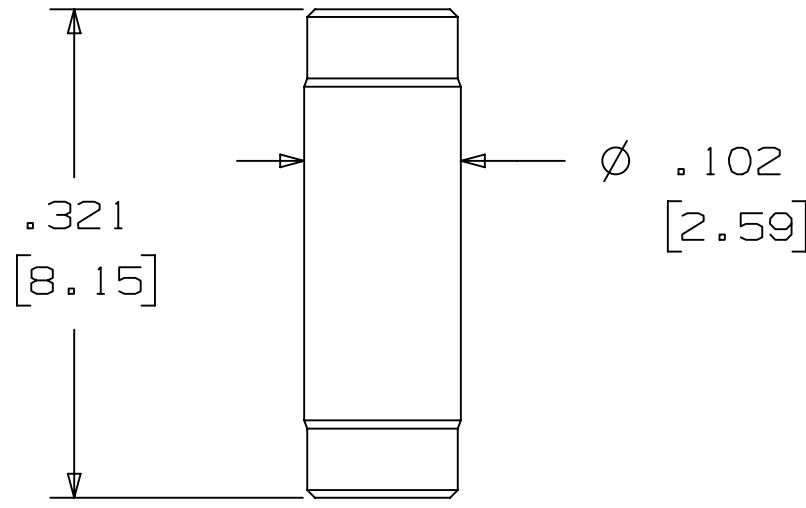
SNAP-IN LATCHES

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

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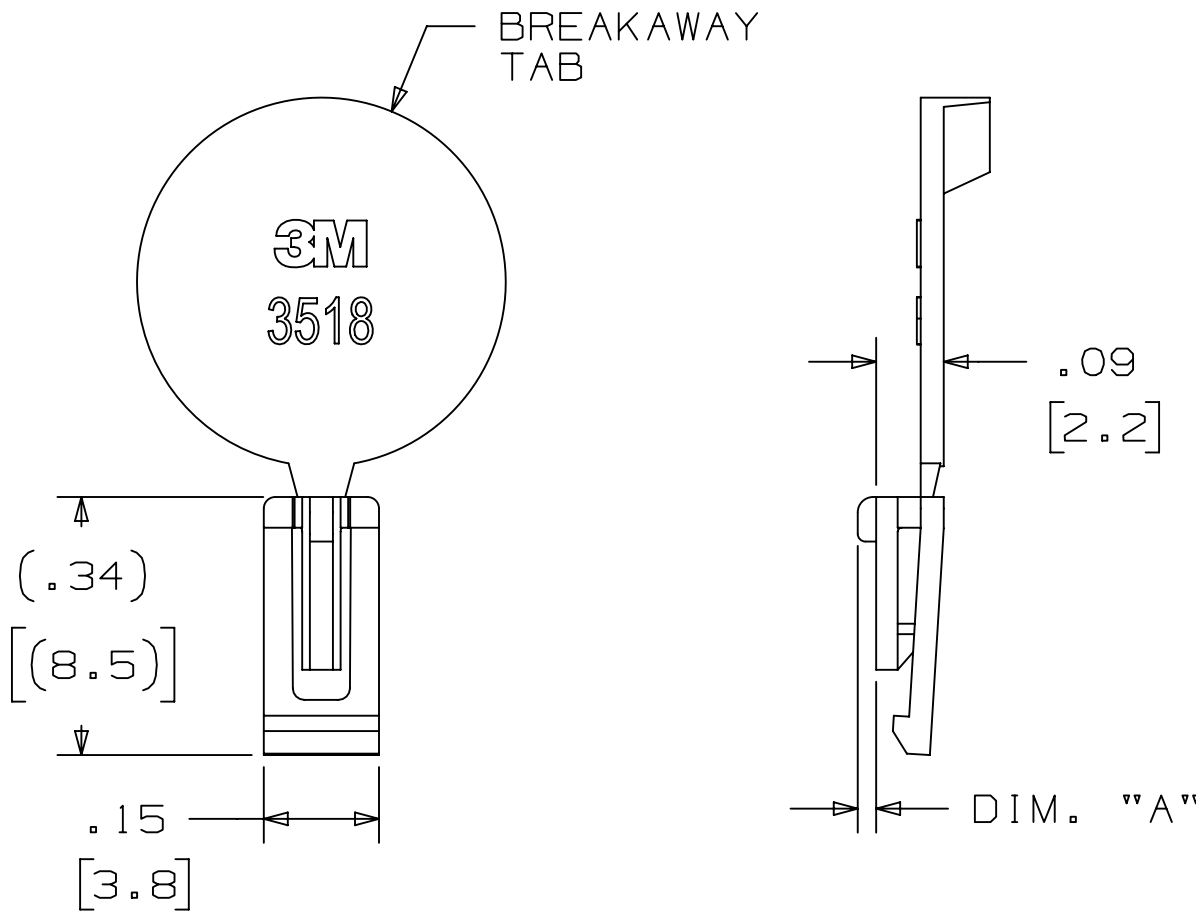
POLARIZING POST



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



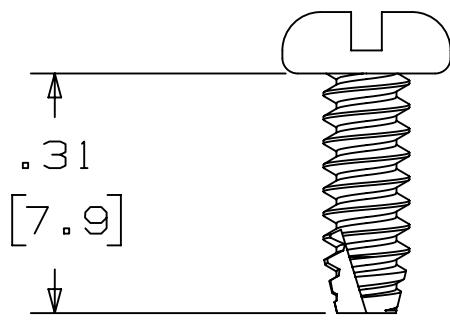
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

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

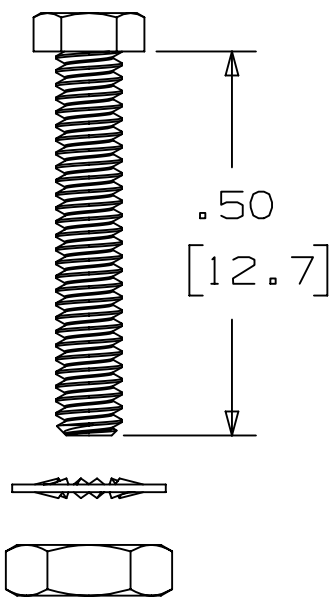
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	1	ECO	MAY 08,2024 REMOVE 05 WWT TAILS	JNC	FJR
XXXXXX	XXXXXX	2	ECO	JUN 22,2021 REVISED ORDERING INFO	JNC	SAN
XXXXXX	XXXXXX	3	ECO	JAN 07,2021 REMOVE TIN LEAD PLATE AND KINK TAILS	JNC	SAN
XXXXXX	XXXXXX	4	ECO	MAR 06,2015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

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

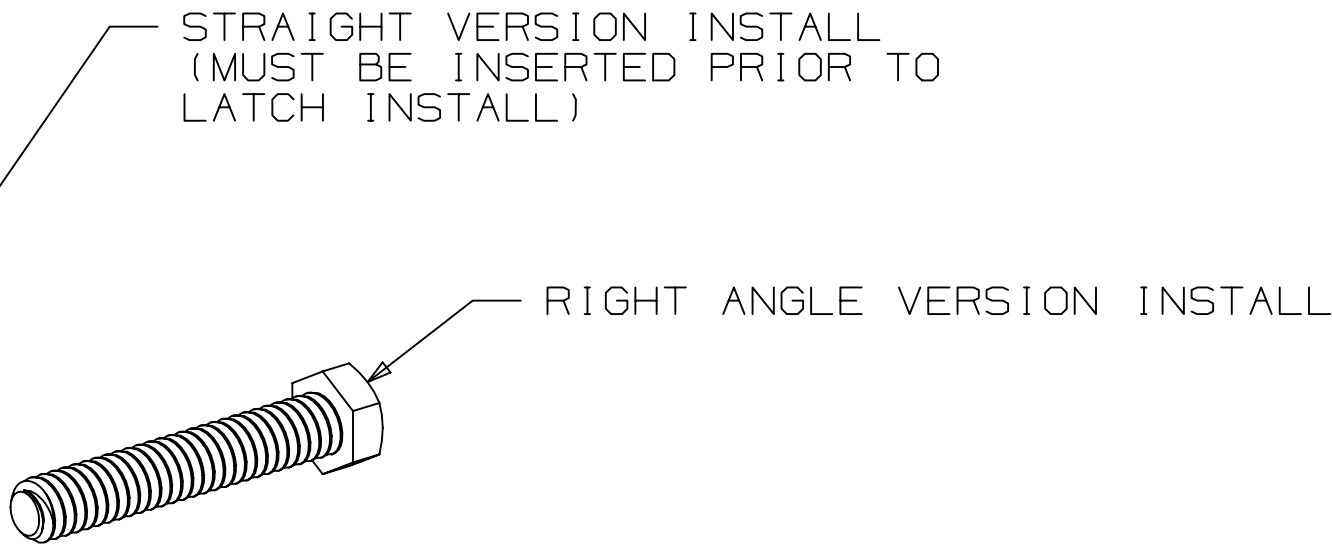
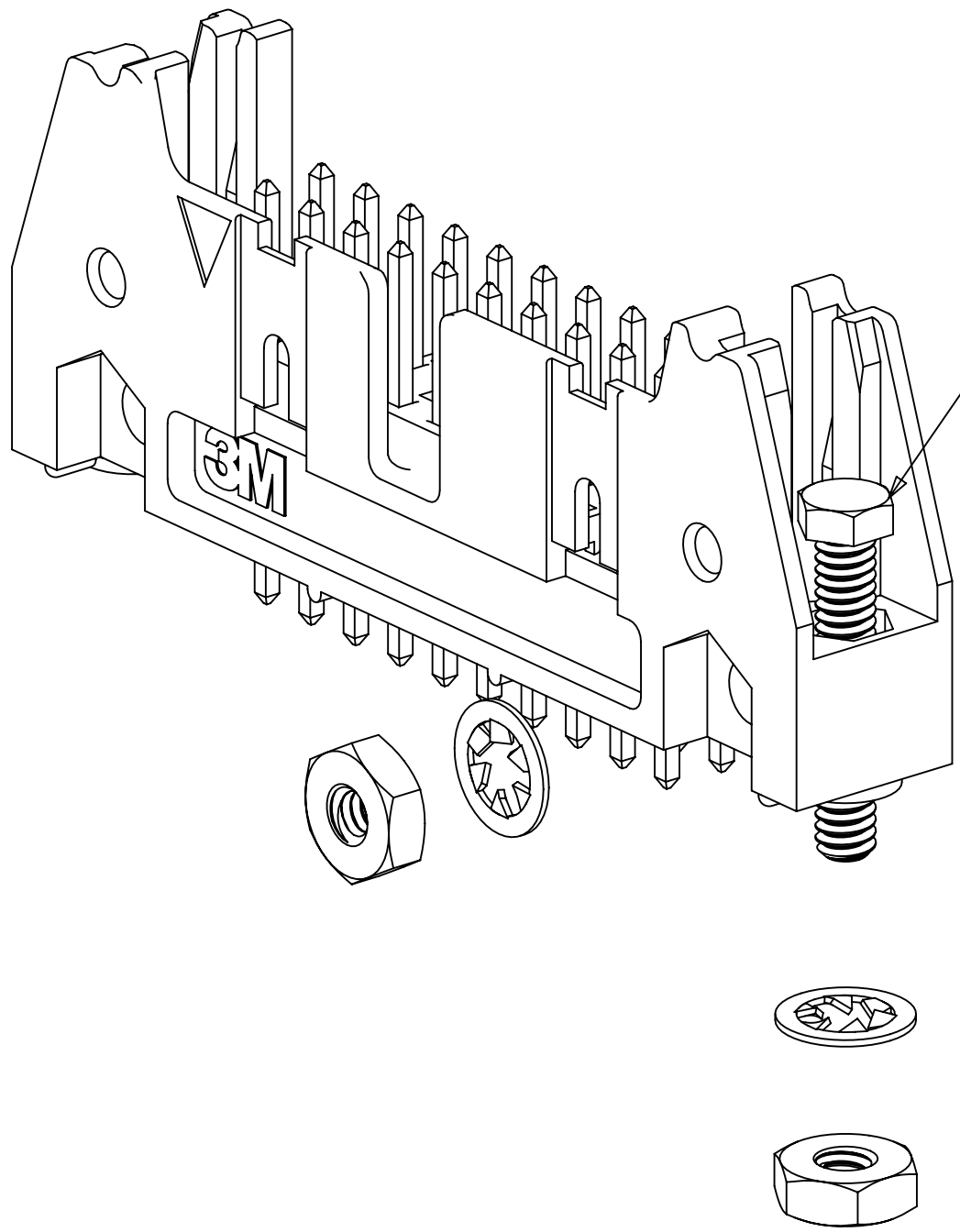
MOUNTING HARDWARE



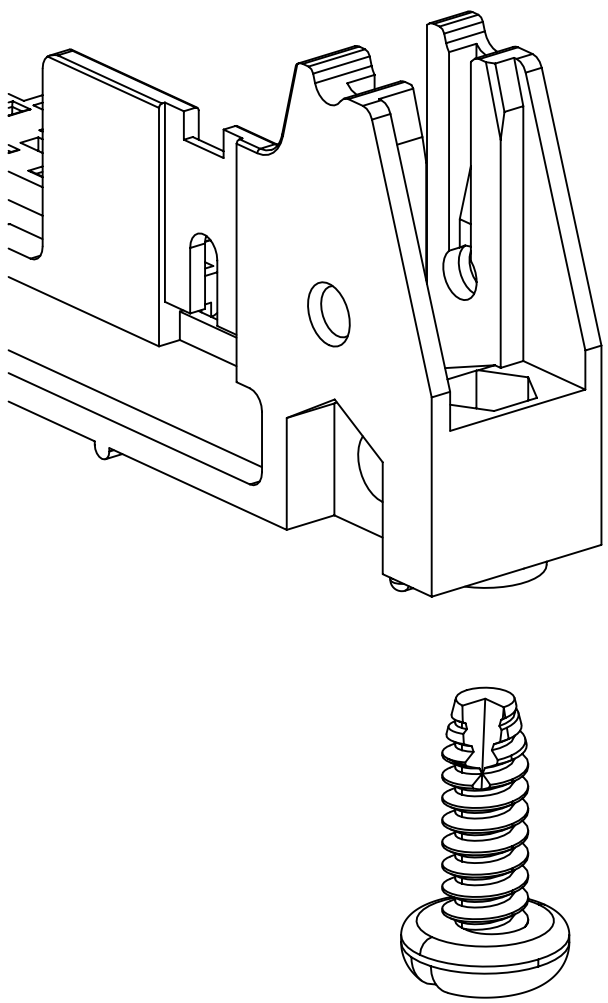
3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL B6
MATERIAL: STAINLESS STEEL



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



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 ±.1 ±.01 ±.005 ±.0002		MILLIMETERS 0 ±.0 ±.00 ±.000		MAX SURFACE ROUGHNESS ALL SURFACES MARKED ONLY	
3M		3M Center St. Paul, MN 55144		TITLE		CAGE NUMBER		SIZE		DRAWING NO.	
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MODEL		3400		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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DRFT	C	ASTIGLIONE	DATE	DATE
CHKD		DATE	APPRV	DATE
			R. SCHERER	SEP 05,2014
DIVISION	Interconnect Solutions	DIVISION CODE	EMSD	
DO NOT SCALE DRAWING		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	±	
		.000	±	
MAX SURFACE ROUGHNESS		ANGLES		
ALL SURFACES				
MARKED ONLY				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D	78-5100-0771-5	L		
MODEL	3400	DET	LISTS	YES
		NO	SHT	5 OF 5