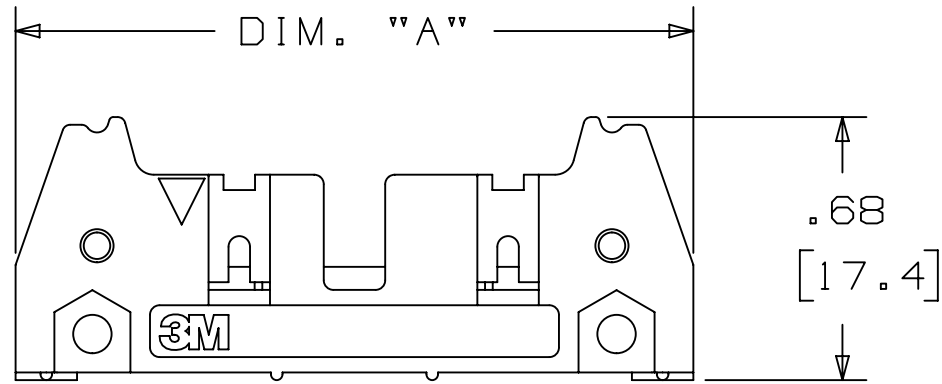


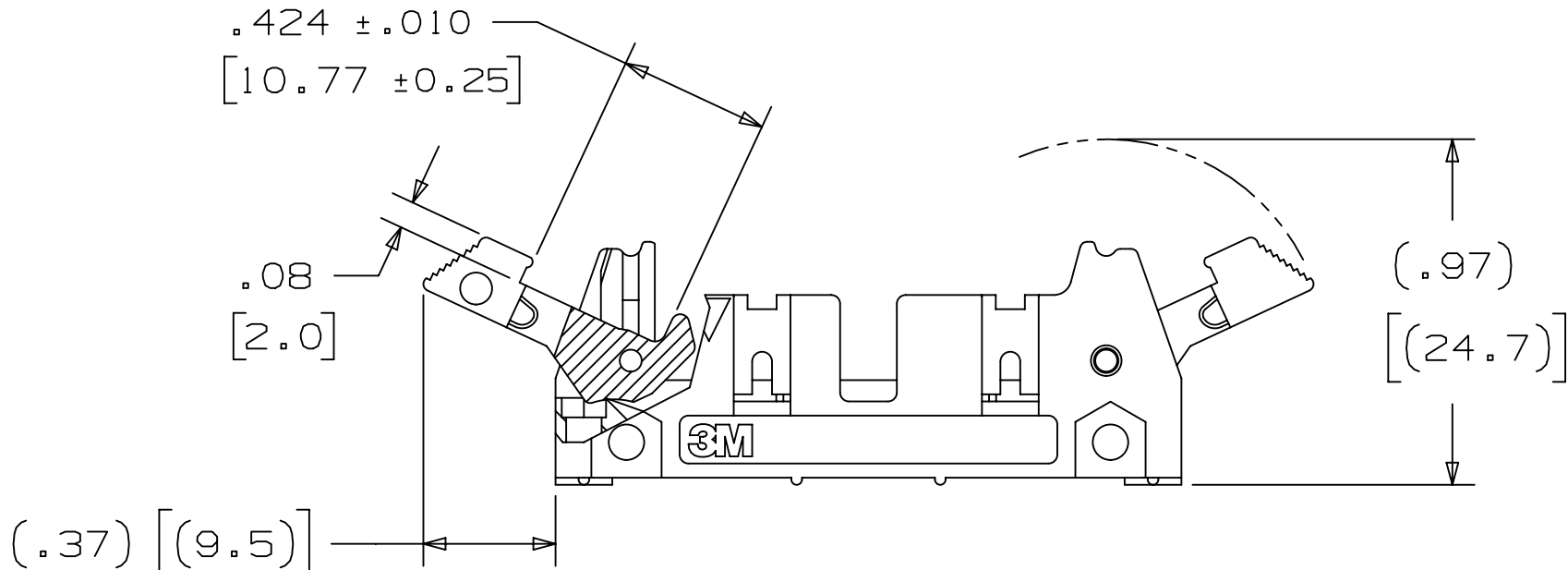
3M™ THREE-WALL HEADER, 3000 SERIES

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



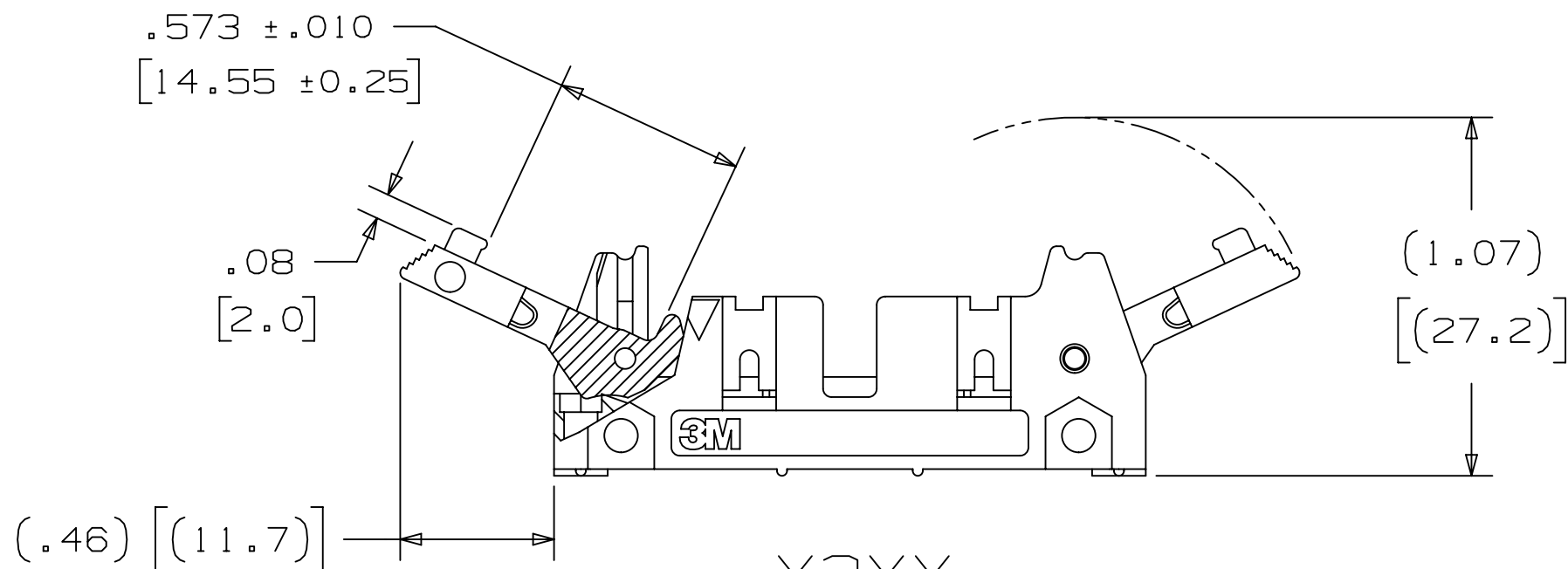
-X0XX

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
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 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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UL FILE NO: E68080

- * 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.

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
XXXXP CODES	
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 ALL SURFACES	ANGLES ±
MARKED ONLY	

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 AUG 05,2014	DATE	
CHKD		DATE	DATE	
APPR	R. SCHERER	DATE SEP 05,2014		
3M Center St. Paul, MN 55144				
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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 1 OF 5				

3M™ THREE-WALL HEADER, 3000 SERIES

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

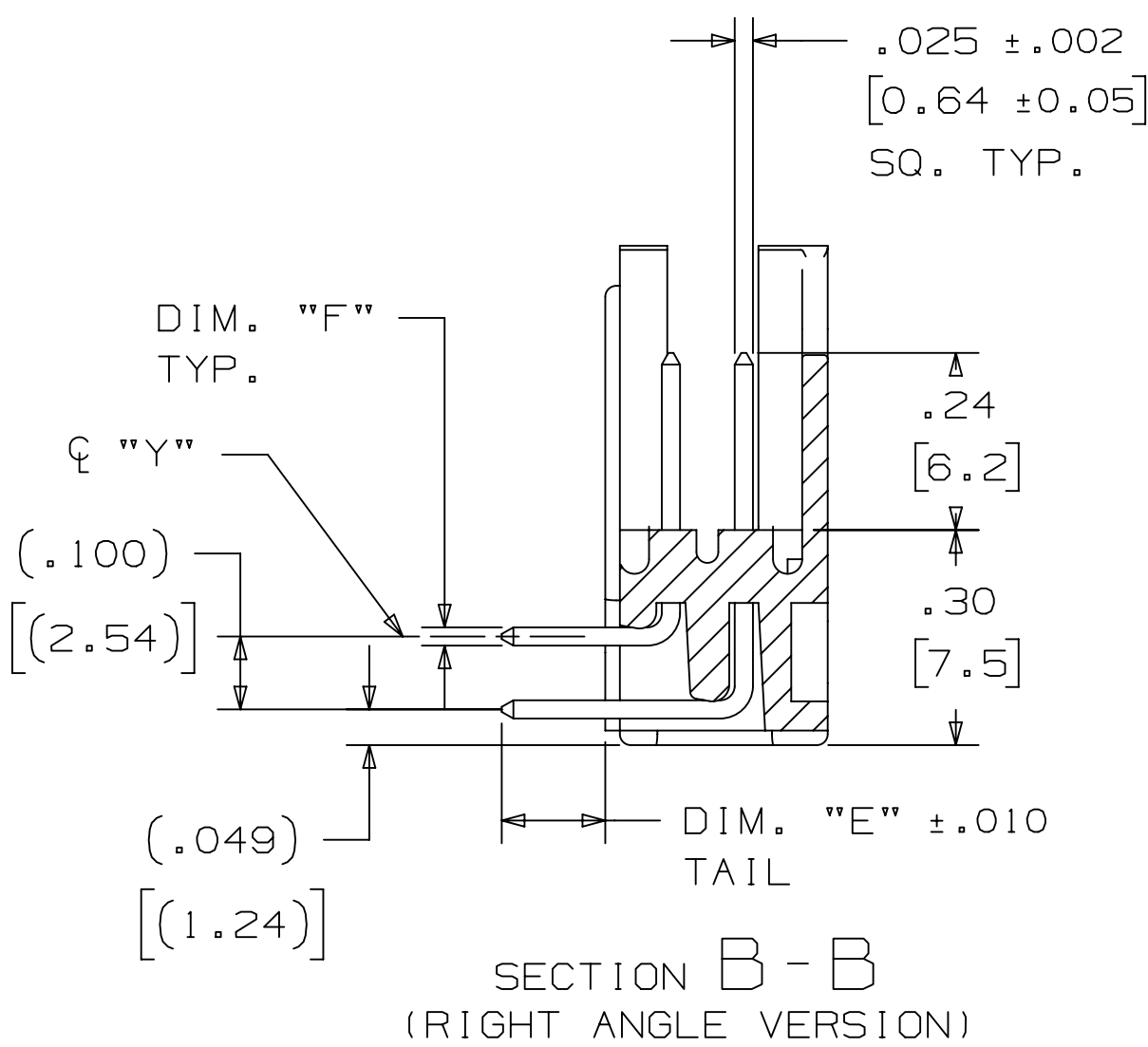
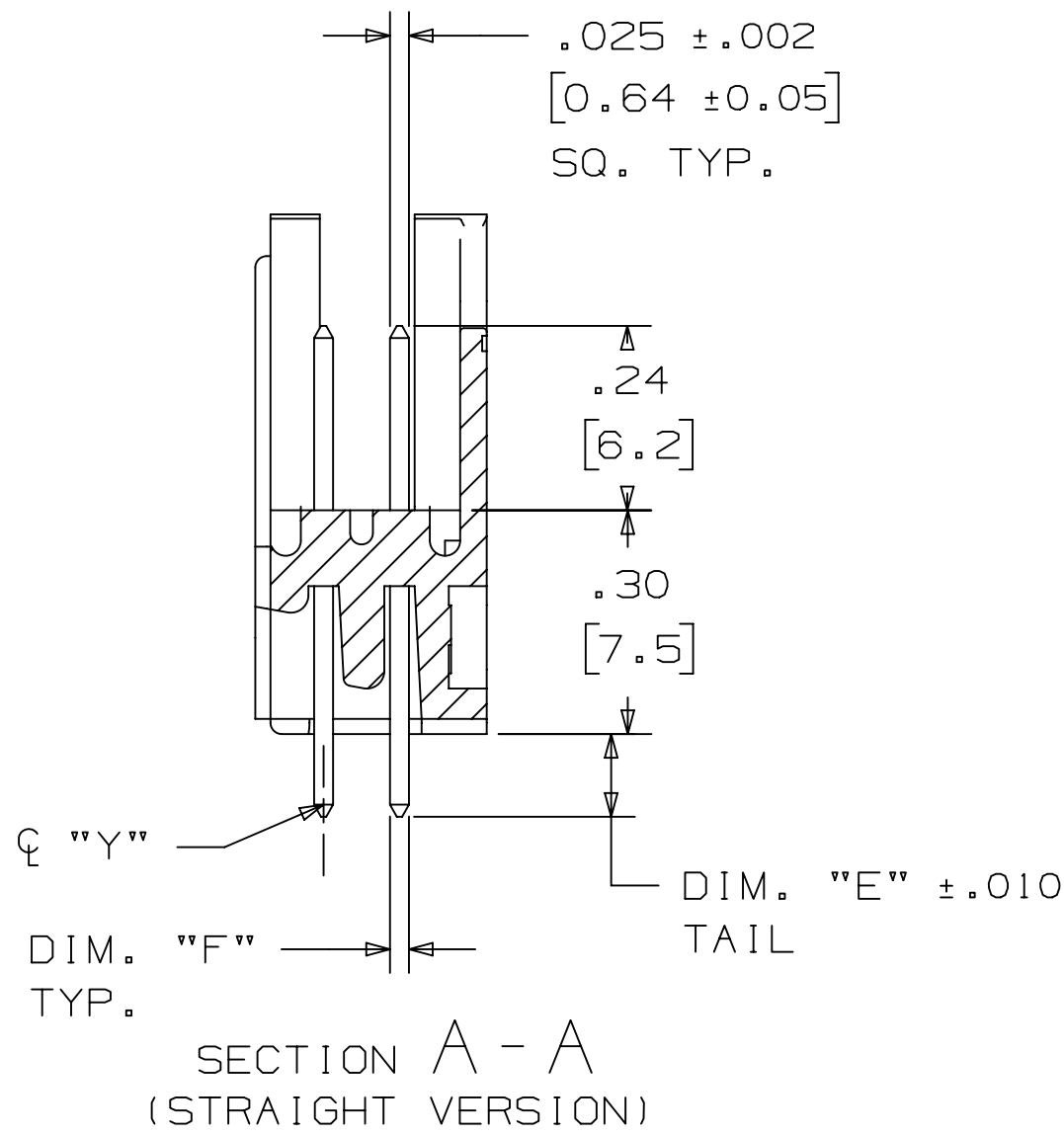
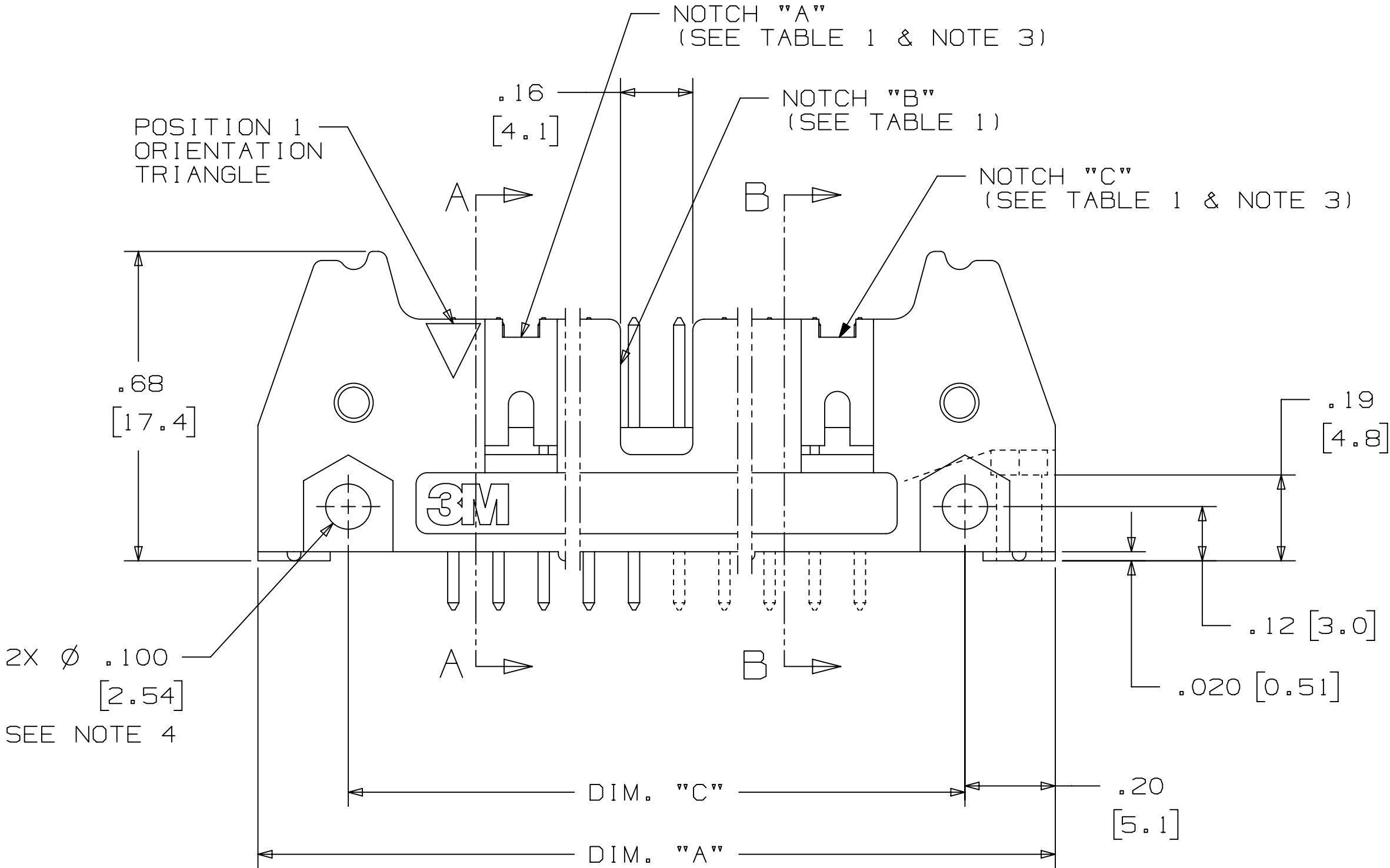
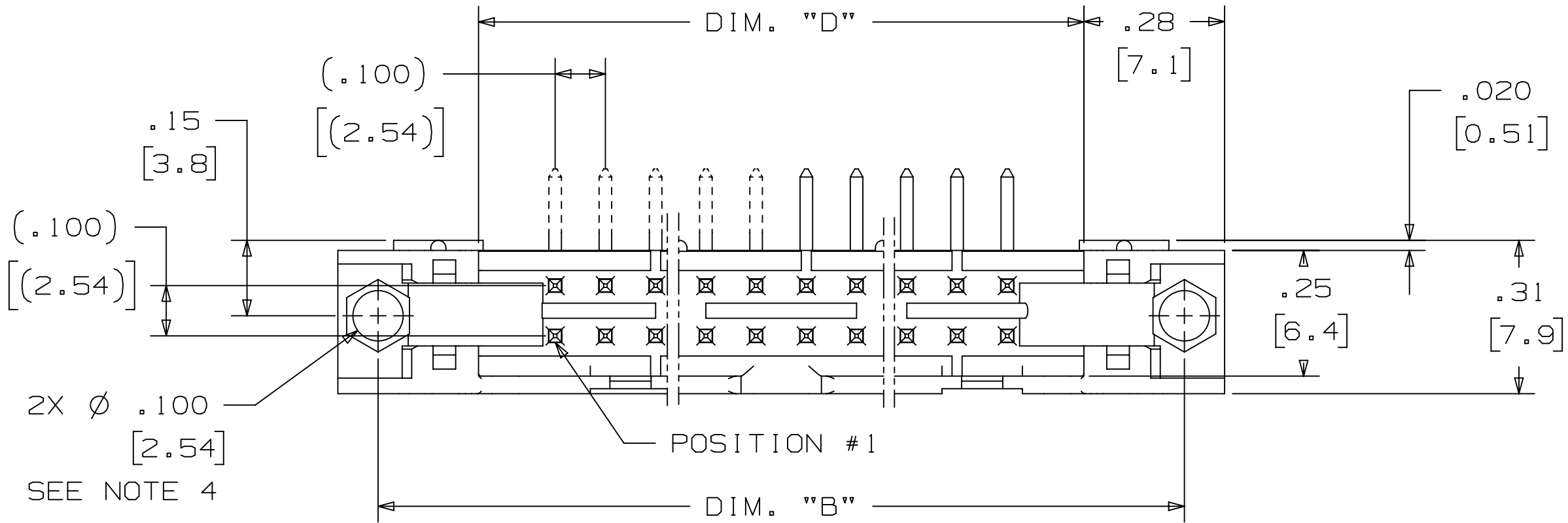


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20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



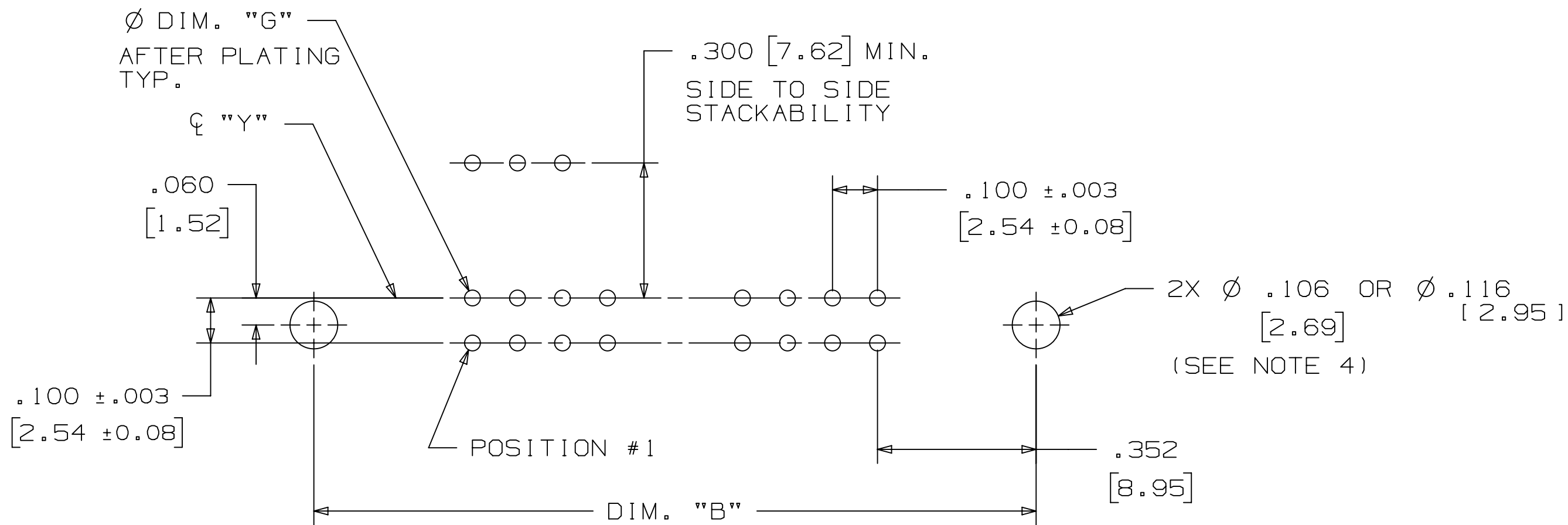
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<http://www.3M.com/interconnect>

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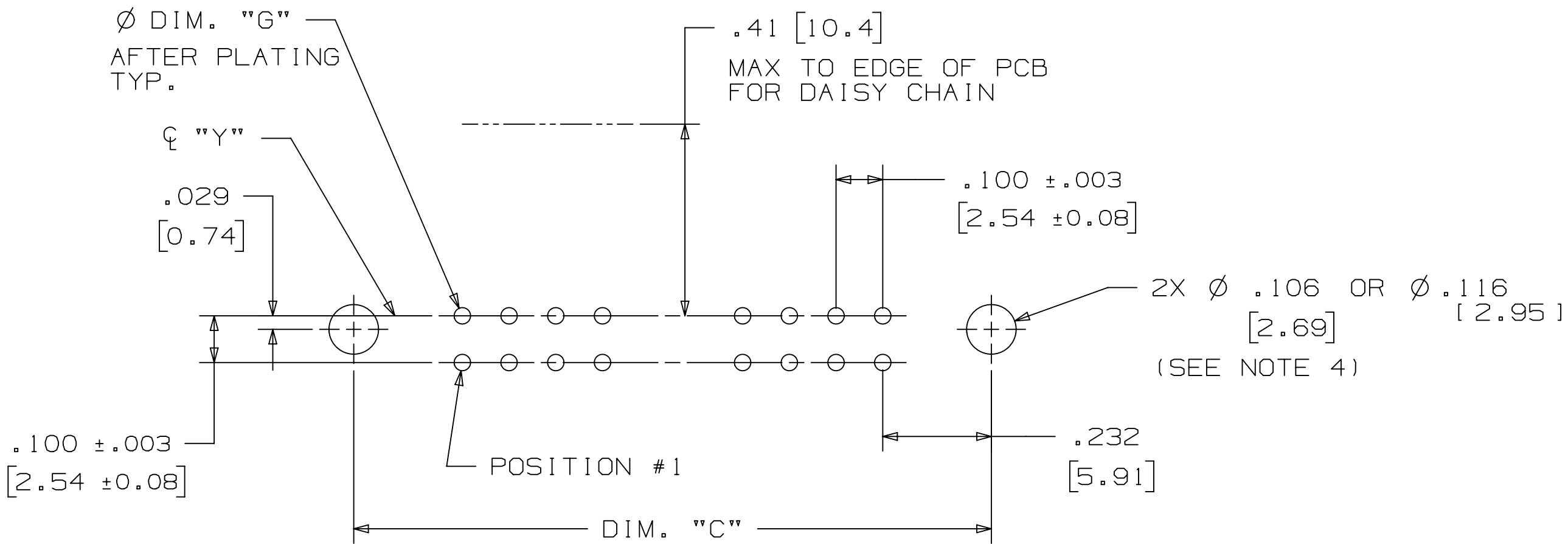
DESIGN REFERENCE		NEXT ASSEMBLY	
DRG CODES		DRG CODES	
DIVISION Interconnect Solutions		DIVISION CODE EMSD	
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ±.0 .00 ±.000 .000 ±.000	
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. R. SCHERER	DATE SEP 05,2014
3M		© 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.		
TITLE		HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA		
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D	78-5100-0771-5	L		
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

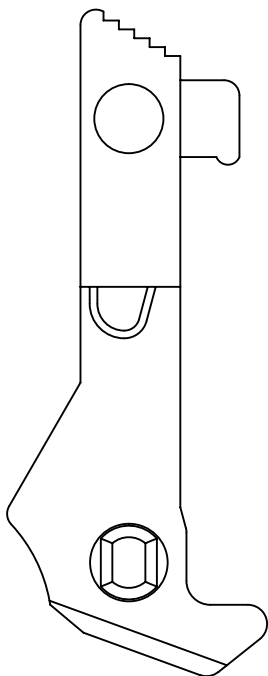
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

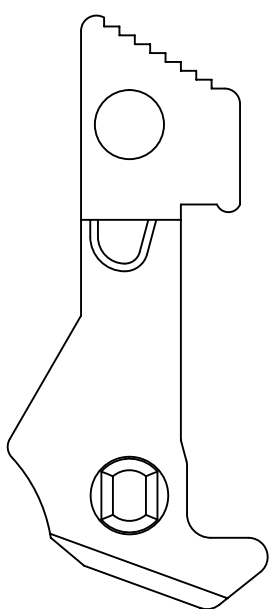
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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



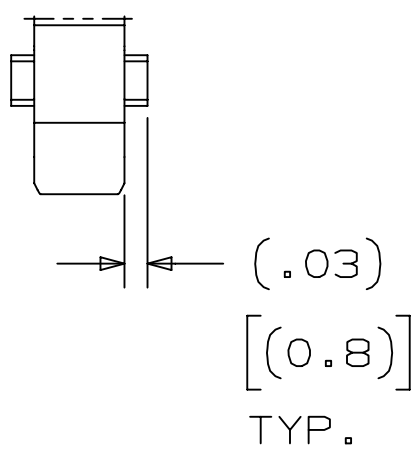
LONG



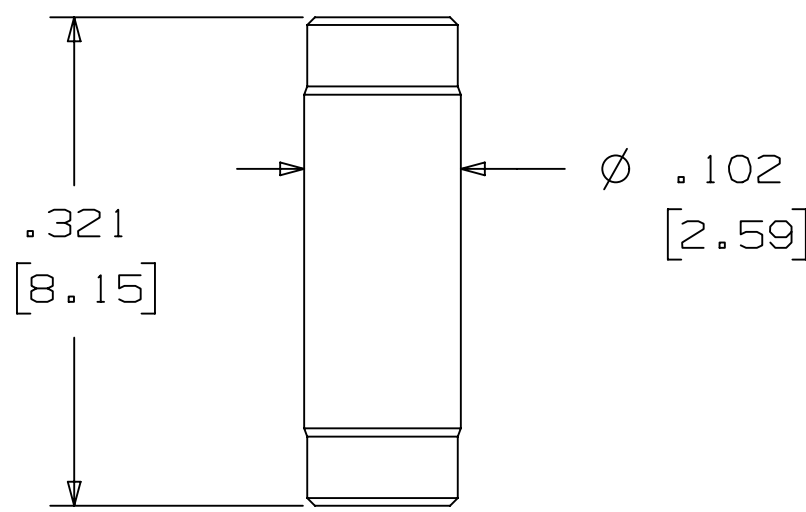
SHORT

SNAP-IN LATCHES

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



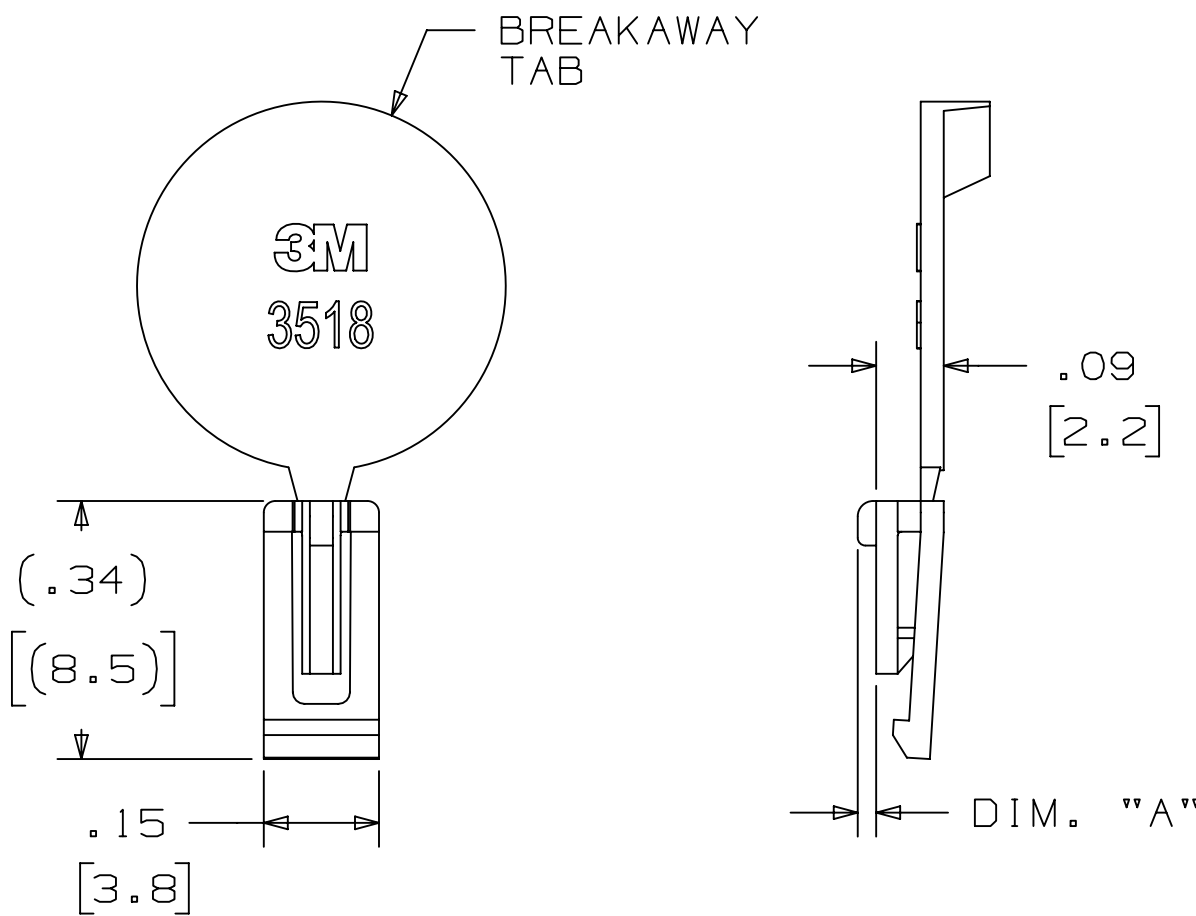
POLARIZING POST



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.

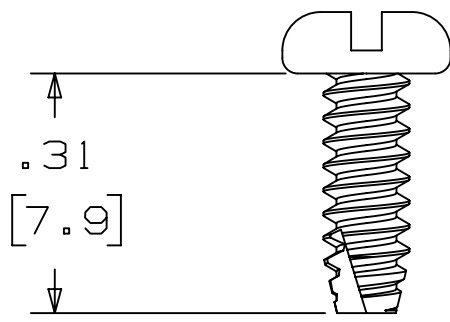
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	1	ECO	MAY 08, 2024 REMOVE 05 WWT TAILS	JNC	FJR
XXXXXX	XXXXXX	2	ECO	JUN 22, 2021 REVISED ORDERING INFO	JNC	SAN
XXXXXX	XXXXXX	3	ECO	JAN 07, 2021 REMOVE TIN LEAD PLATE AND KINK TAILS	JNC	SAN
XXXXXX	XXXXXX	4	ECO	MAR 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
XXXXXX	XXXXXX	20	ECO	DATE 05, 2014	JNC	RS

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

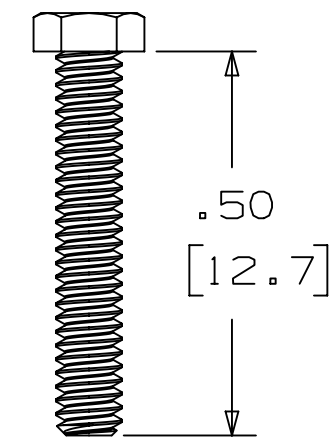
3M™ THREE-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

MOUNTING HARDWARE



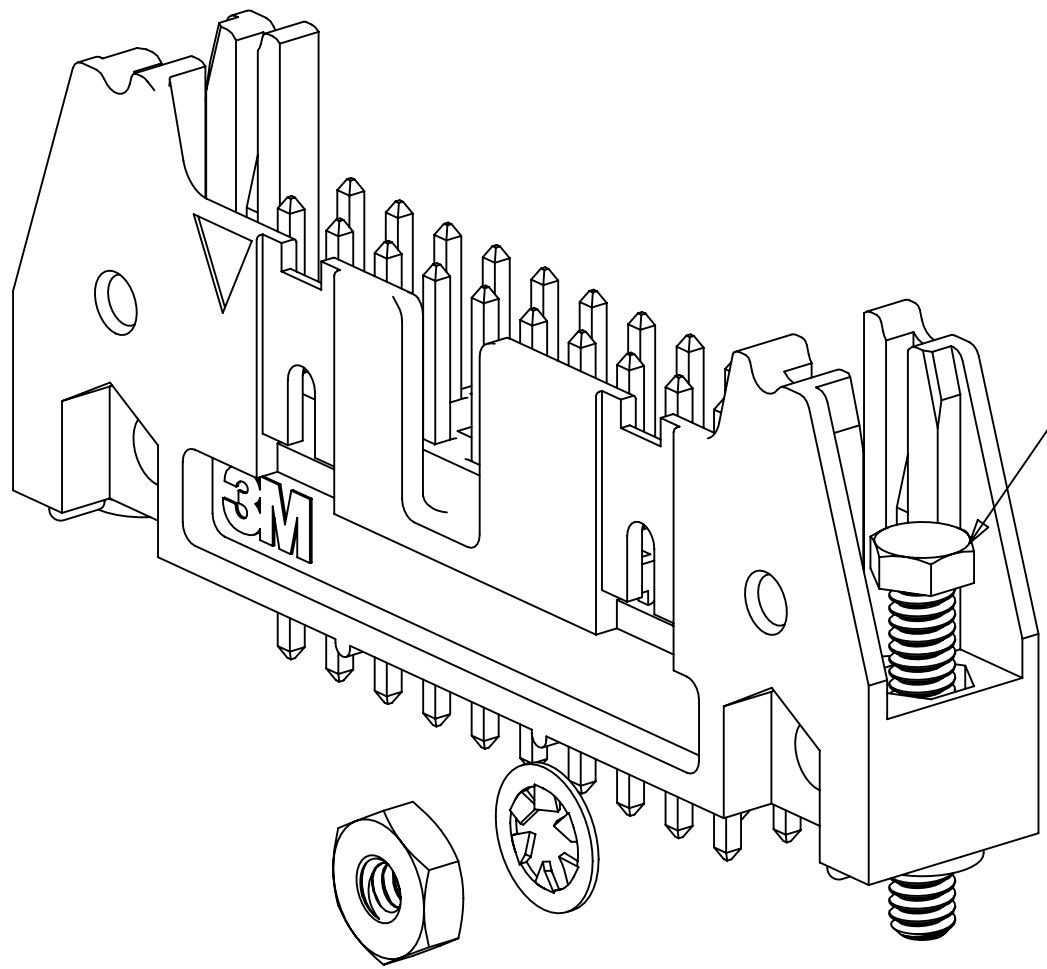
3341-5

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



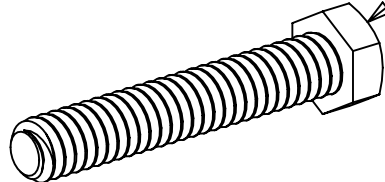
3341-6

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



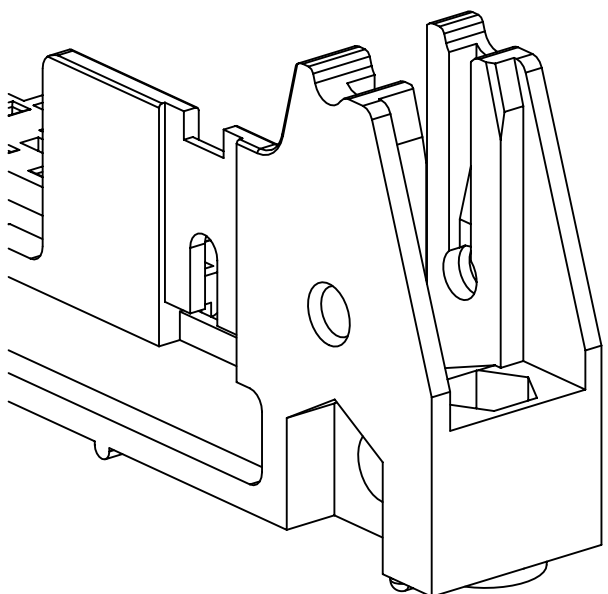
STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

RIGHT ANGLE VERSION INSTALL

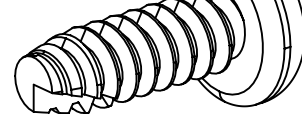


3341-6

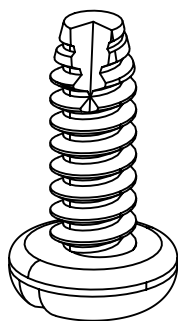
#2-56 NUT AND BOLT



#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		DATE		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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Electronics Materials Solutions Division
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Austin, TX 78753-5380
1-800-225-5373
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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
H		60056	MAR 06,2015	JNC	RS
G		56068	AUG 05,2014	JNC	RS
REV		ECO	ISSUE DATE AND DESCRIPTION		
DRFT		C	ASTIGLIONE	DATE	DATE
CHKD			DATE	APPR	DATE
DIVISION		Interconnect Solutions		DIVISION CODE	
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES		MILLIMETERS	
INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS		ALL SURFACES	
MARKED ONLY		ANGLES		MODEL	
CAGE NUMBER		SIZE	DRAWING NO.	REV.	
DET		LISTS	YES	NO	SHT 5 OF 5