

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



INSULATOR: MATERIAL: HIGH TEMPGLOSS 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

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.
TENSION RESISTANCE: $>1 \times 10^9 \Omega$ AT 500 V_{DC}
TANDING VOLTAGE: 1,000V_{RMS} AT SEA LEVEL

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)

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

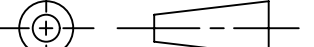
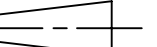
```

LATCH/EJECTOR SYSTEM:
0 = NO LATCH/EJECTOR INSTALLED
2 = SHORT ROLL PIN LATCH/EJECTORS
3 = LONG ROLL PIN LATCH/EJECTORS

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3M.com/interconnect>

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ADDRESS CODES				DRFT CASTIGLIONE		DATE AUG 05, 2014		DATE	
				CHKD		DATE		APPRV. R. SCHERER DATE SEP 05, 2014	
DIVISION		DIVISION CODE		 3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2024			
Interconnect Solutions		EMSD				This document and the information it contains are 3M property and may not be reproduced or further distributed without permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA		INCHES .00 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002 MILLIMETERS 0 ± .00 ± .000 ±			
 THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2018		 INCHES .00 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002 MILLIMETERS 0 ± .00 ± .000 ±							
MAX SURFACE ROUGHNESS  ALL SURFACES ✓ ☐ MARKED ONLY		ANGLES ±		CAGE NUMBER D 078-5100-0771-5		SIZE DRAWING NO.		REV. L	
				MODEL 3400		DET. LISTS ☒ YES ☐ NO		SHT 1 OF 5	

UL[®]
US
UL FILE NO: E68080

3M™ THREE-WALL HEADER, 3000 SERIES

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

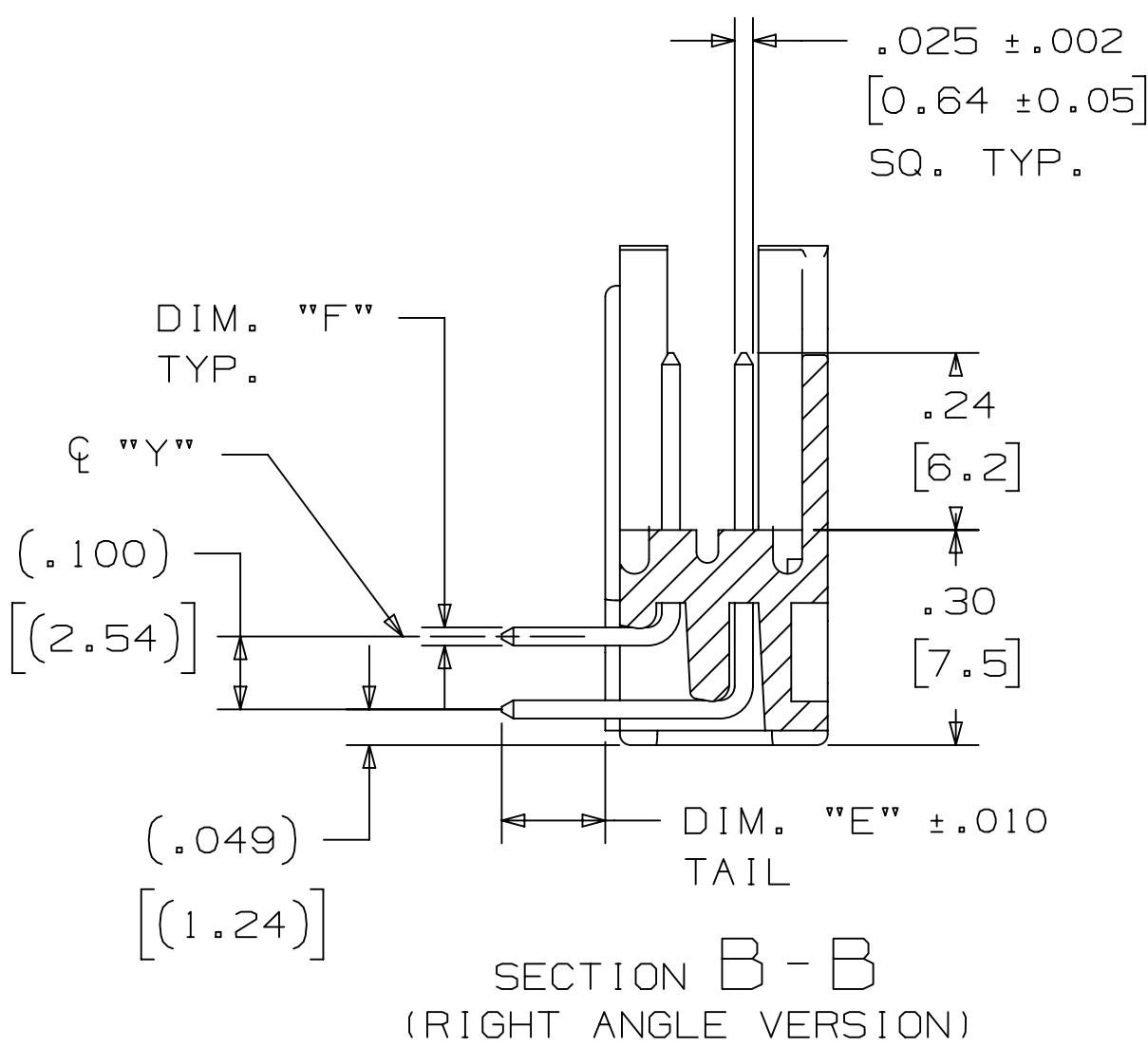
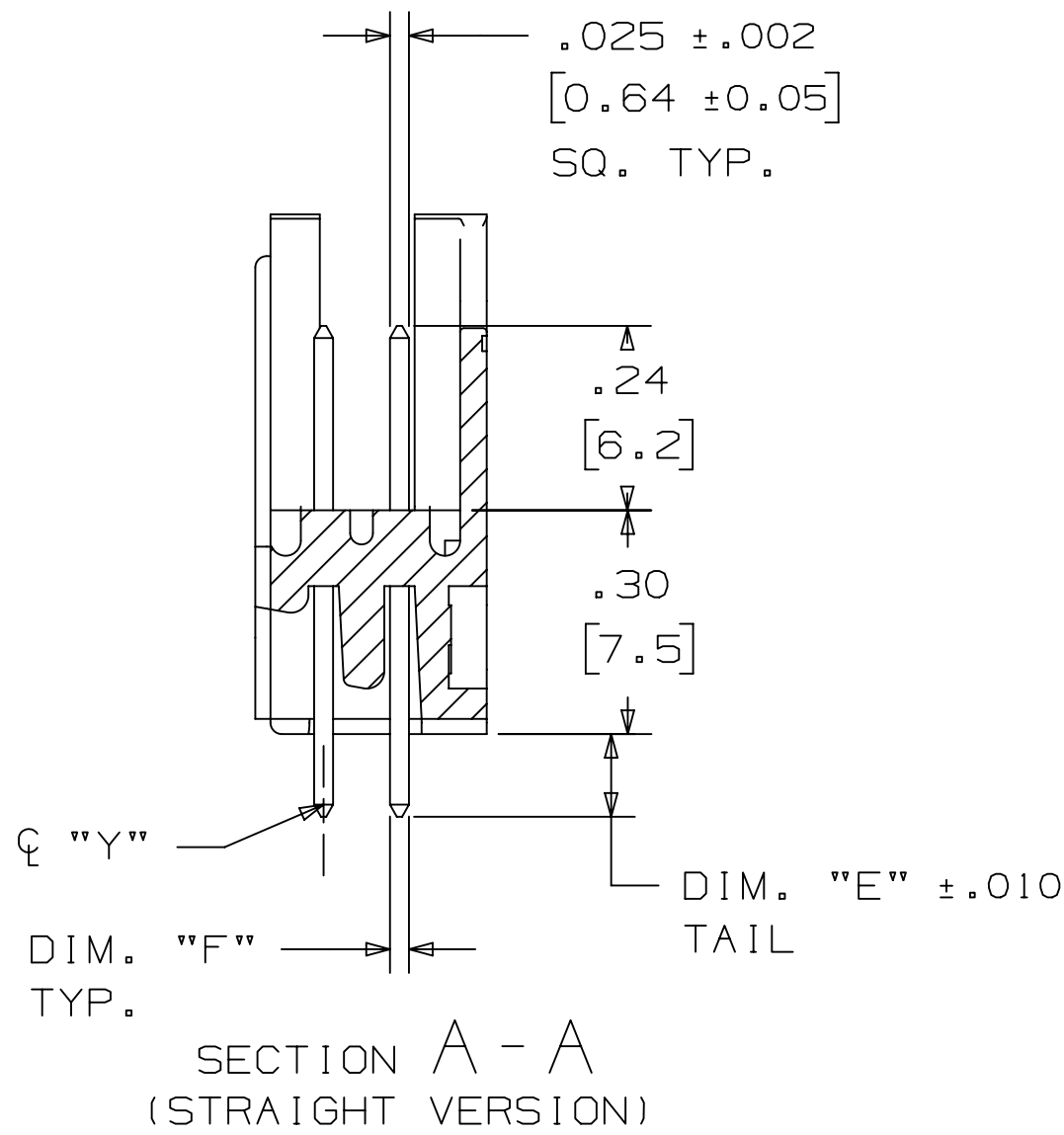
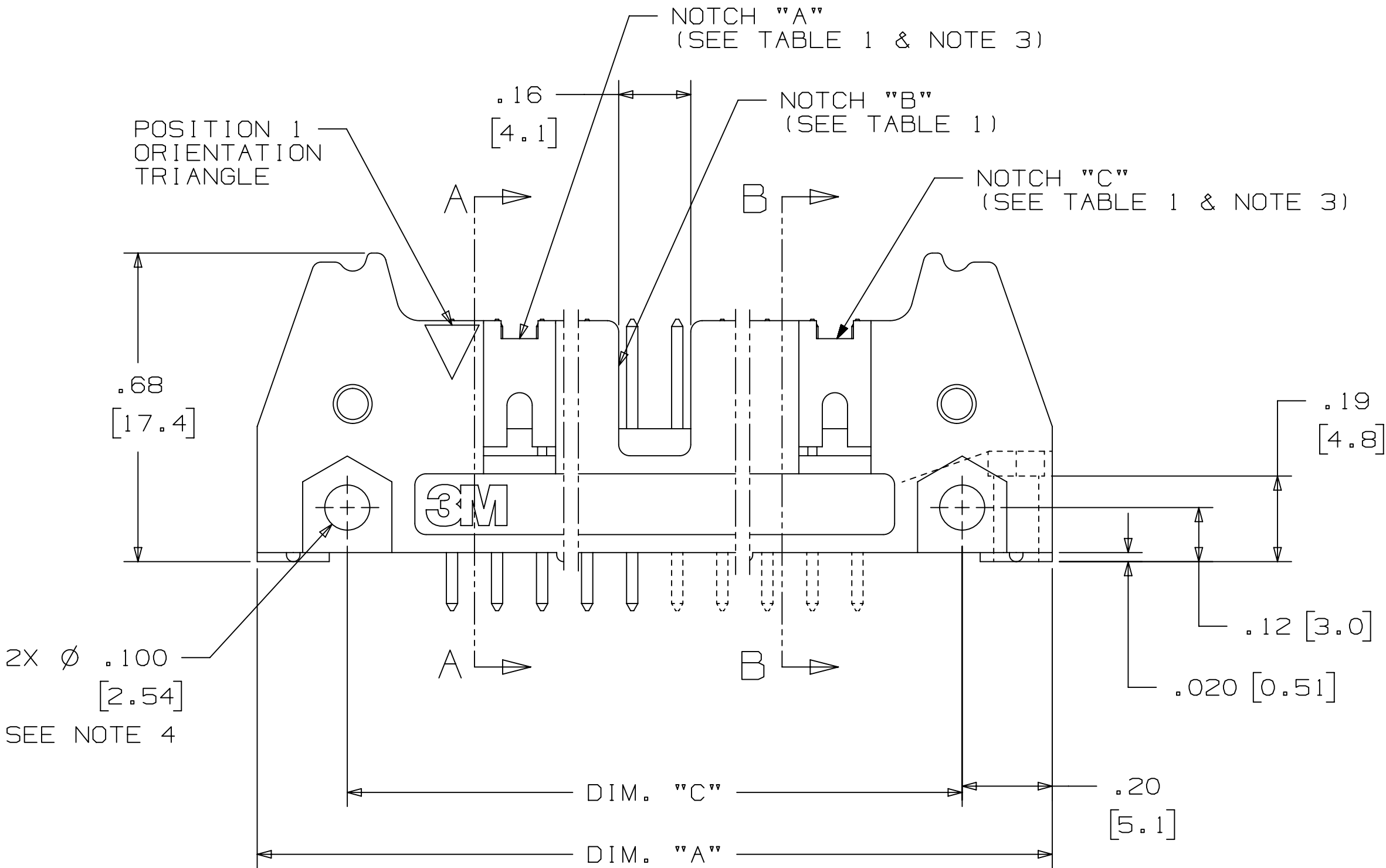
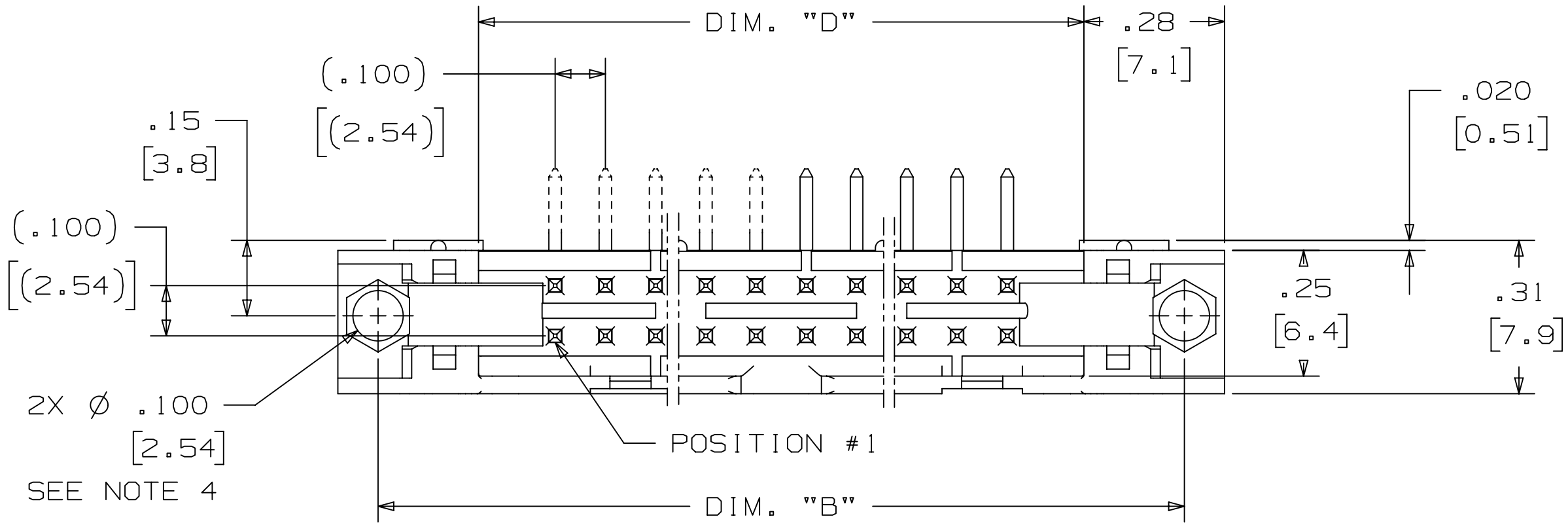


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20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



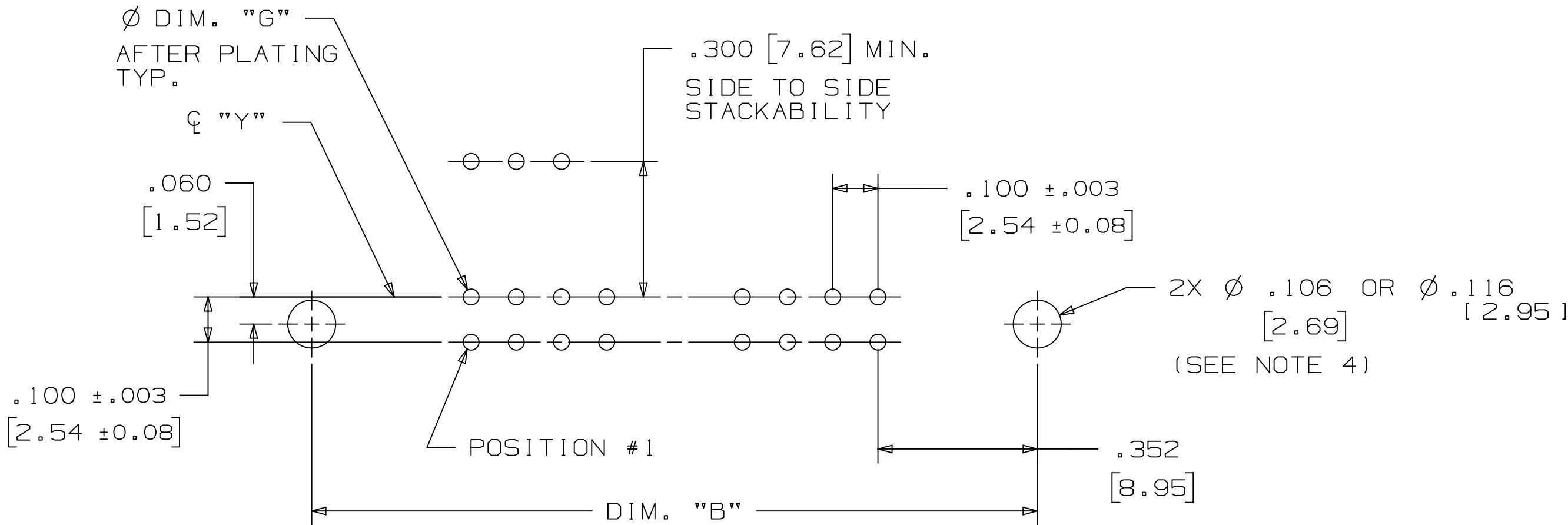
3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3M.com/interconnect>

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

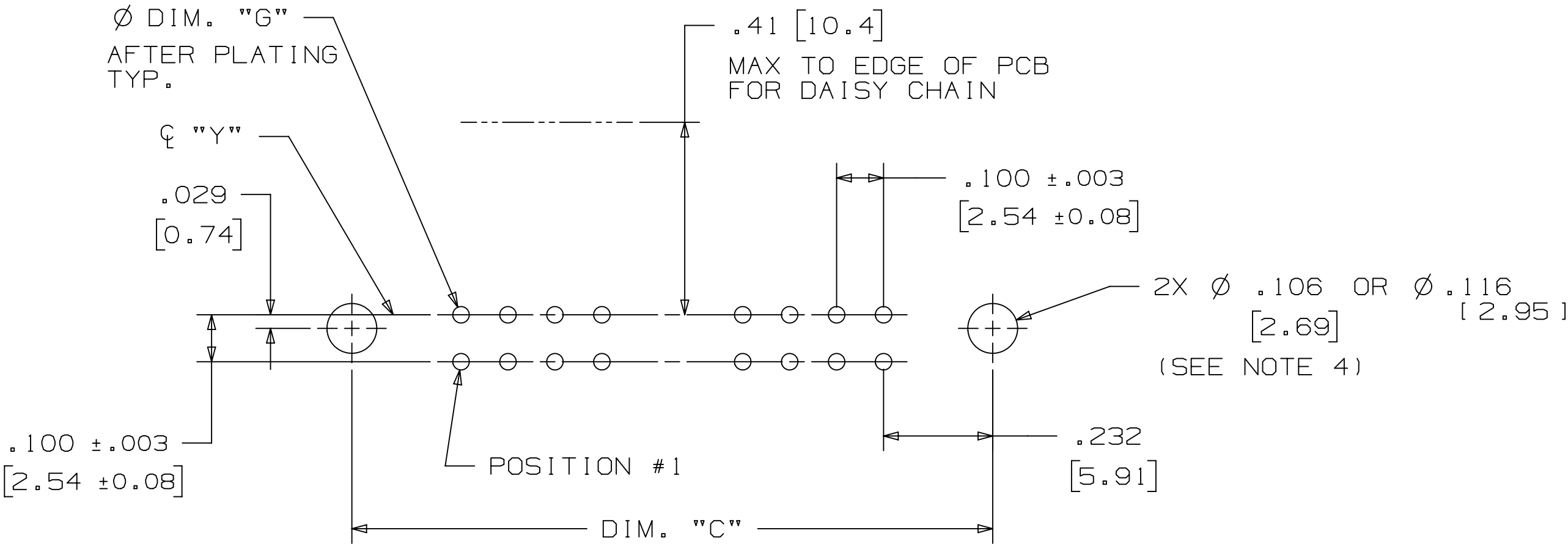
DESIGN REFERENCE		NEXT ASSEMBLY	
DRG CODES		DRG CODES	
DIVISION Interconnect Solutions		DIVISION CODE EMSD	
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± .0 ± .00 ± .000 ±	
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 Center St. Paul, MN 55144 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 78-5100-0771-5				
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

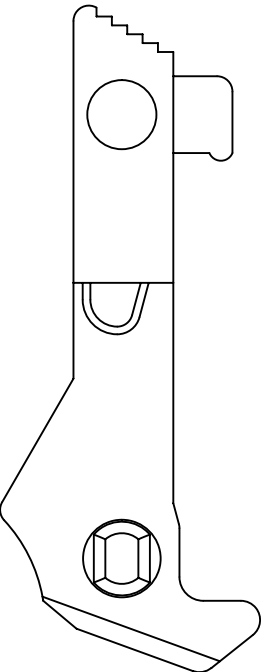
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

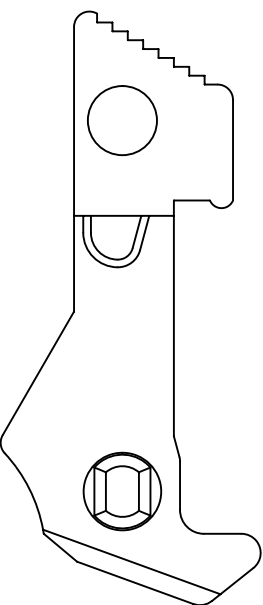
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

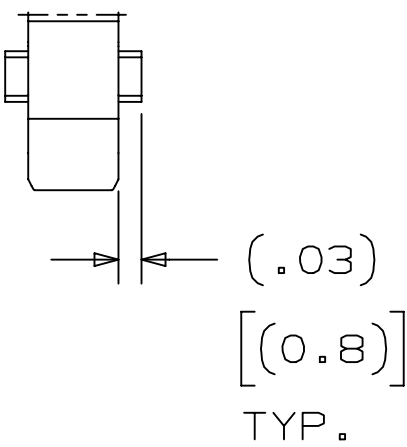


LONG



SHORT

SNAP-IN LATCHES

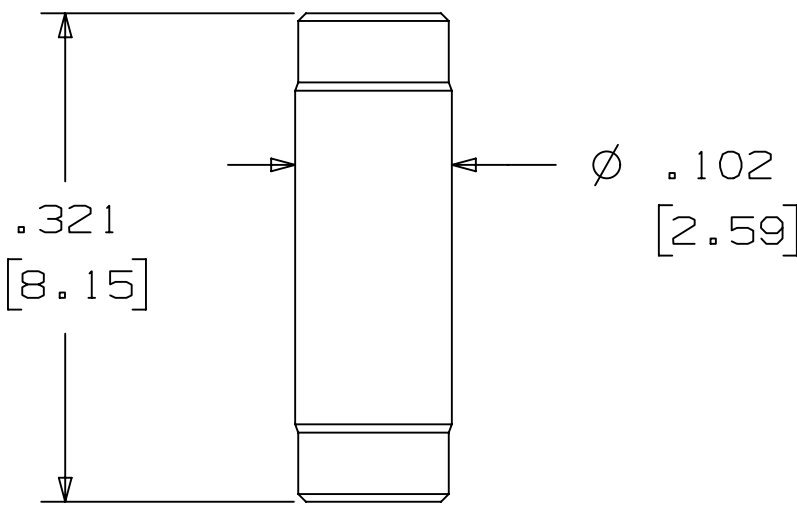


NOTE:
SNAP-IN LATCHES CAN ONLY BE ORDERED SEPARATELY AND ARE THE CUSTOMERS RESPONSIBILITY TO INSTALL.

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3M.com/interconnect>

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

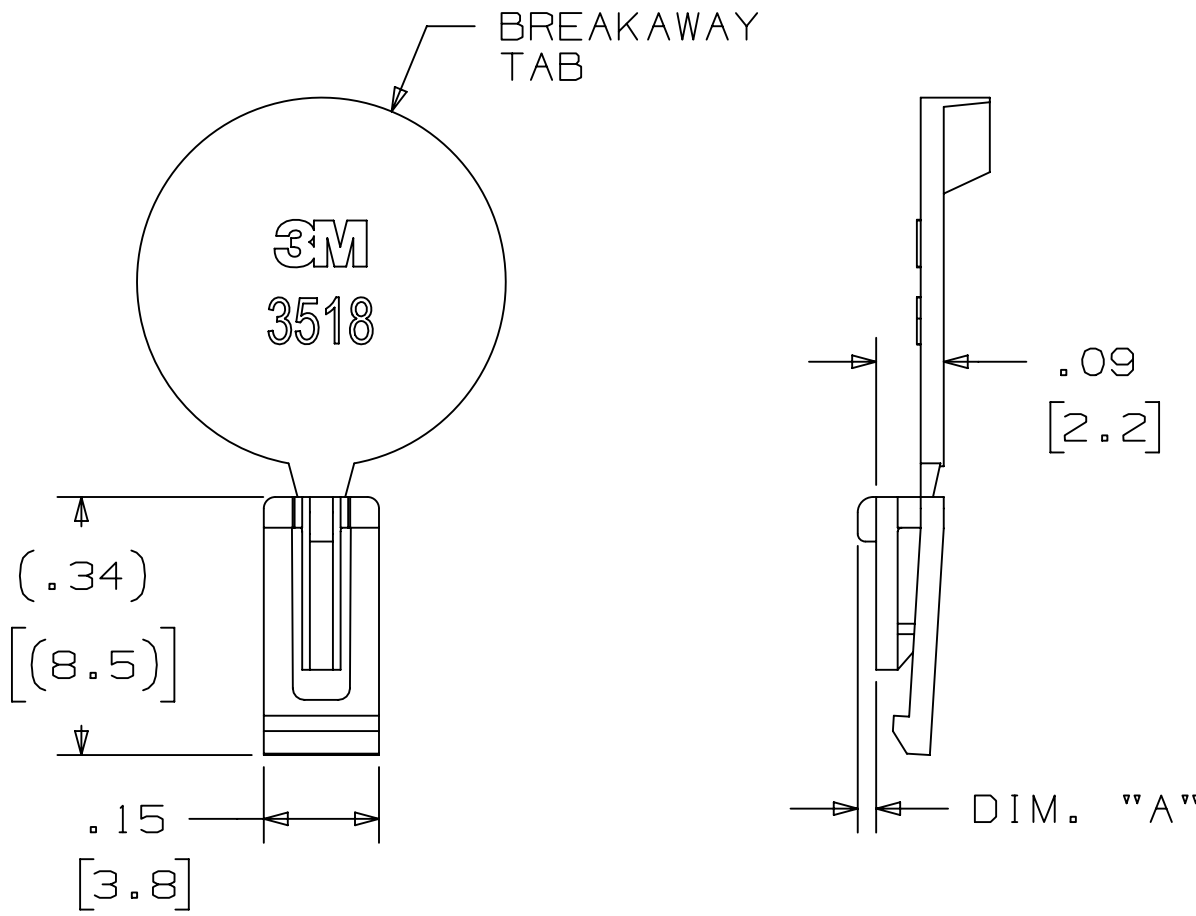
POLARIZING POST



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

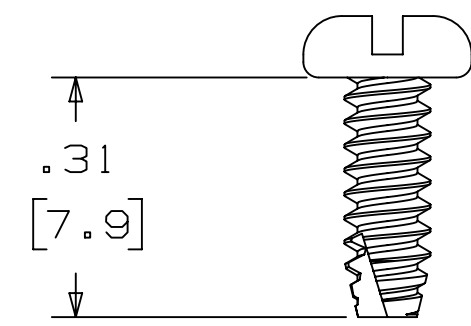
NOTE:
#2216 B/A SCOTCHWELD CAN BE USED TO
ADHERE KEYS.

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

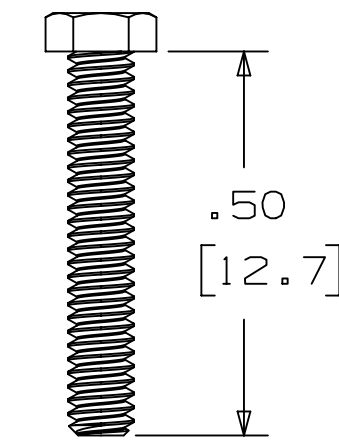
(INSTALL FROM BOTTOM OF BOARD)

PANHEAD THREAD CUTTING SCREW:

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

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

MATERIAL: STAINLESS STEEL

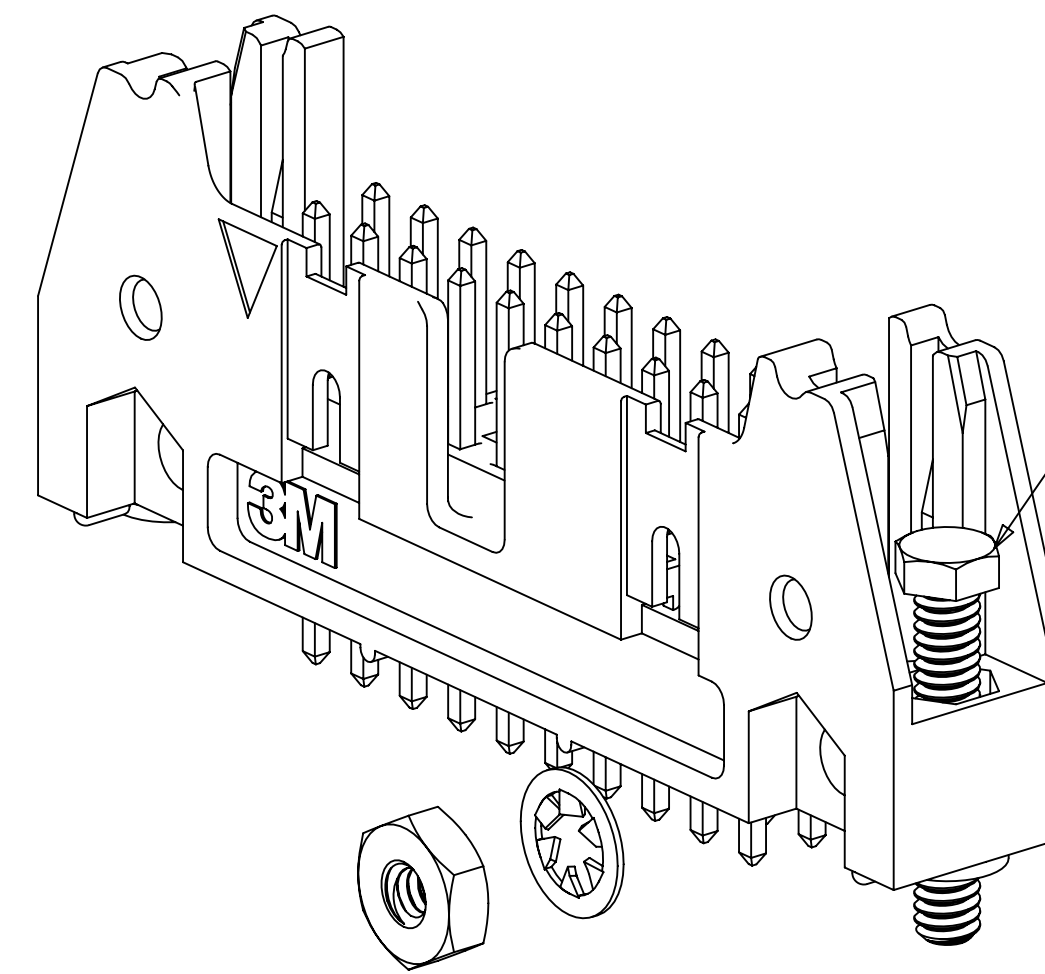
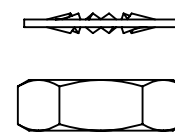


3341-6

HEX HEAD BOLT, NUT AND WASHER:

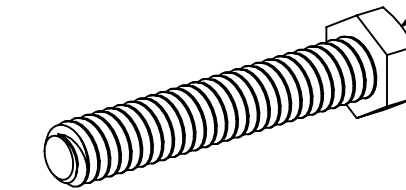
BOLT - #2-56 X 1/2"
MATERIAL - STAINLESS

MATERIAL: STAINLESS STEEL



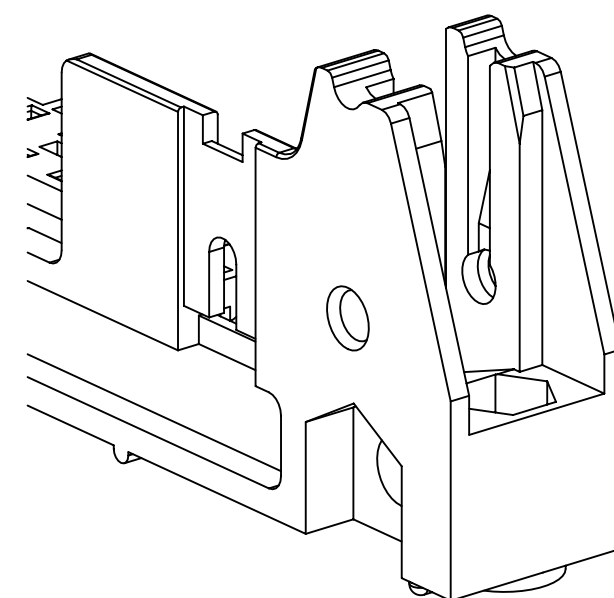
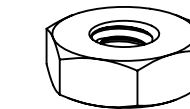
— STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

— RIGHT ANGLE VERSION INSTALL

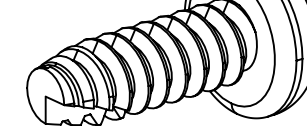


3341-6

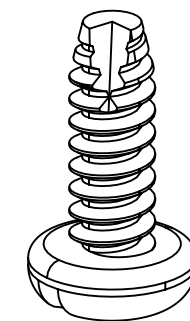
#2-56 NUT AND BOLT



- #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	APPR	DATE
			CHKD			R. SCHERER	SEP 05, 2014
DIVISION	Interconnect Solutions	DIVISION CODE					
		EMSD					
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	3M	3M Center St. Paul, MN 55114	© 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.		
		INCHES .00 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002					
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .00 ± .00 ± .000 ±	CAGE NUMBER	SIZE	DRAWING NO.	REV.	
MAX SURFACE ROUGHNESS			D	78-5100-0771-5	L		
☒ ALL SURFACES ☐ MARKED ONLY		ANGLES ±	MODEL	3400	DET. LISTS	YES ☐ NO ☐	SHT 4 OF 5

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3M.com/interconnect>

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

3M™ THREE-WALL HEADER, 3000 SERIES

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

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement or repair of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by applicable law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Disclaimer: For industrial use only. Not intended, labeled or packaged for consumer sale or use.

3M Company
Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
1-800-225-5373
www.3M.com/interconnect

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
http://www.3M.com/interconnect

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

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	DATE	DATE	DATE
CAST		IGL	ONE	DATE	DATE
CHKD		DATE	DATE	DATE	DATE
APPR		R.	SCHERER	DATE	DATE
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		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	DET	YES	NO
			SHT	5	OF 5