

.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



X XXXX-6X0T02XX

- PLATING:

RB = 30μ" [0.76μm] GOLD WITH MATTE TIN TAILS
(APP. E1 & C1 APPLY)

TC = 30μ" [0.76μm] GOLD WITH TIN LEAD TAILS
(APP. E2 & C2 APPLY)

LATCH/EJECTOR SYSTEM: ☐

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

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

2 PHYSICAL :

INSULATOR:
MATERIAL: GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
COLOR: BLACK
CONTACT:
MATERIAL: COPPER ALLOY
PLATING:
UNDER PLATING: 100μ" [2.54μm] NICKEL
WIPING AREA: 30μ" [0.76μm] AVG. GOLD
SOLDER TAILS: 100μ" [2.54μm] TIN LEAD OR 300μ" [7.62μm] MATTE TIN
(SEE ORDERING INFORMATION)
MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

2 ELECTRICAL :

CURRENT RATING: 1A
INSULATION RESISTANCE: $>1 \times 10^9 \Omega$ AT 500 V_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} AT SEA LEVEL

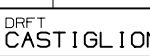
2 ENVIRONMENTAL :

TEMPERATURE RATING: -55° C TO 105° C

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 ACCOMODATE 3M POLARIZING KEY: N3518.
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4 MOUNTING HARDWARE:
REAR ENTRY:
#4-24 THREAD CUTTING SCREW
(3M PART #3341-5) WITH
Ø .116 [2.95] MOUNTING HOLE.
FRONT ENTRY:
(PRIOR TO INSTALLATION OF LATCH)
#2-56 BOLT AND NUT (3M PART
#3341-6) WITH Ø .106 [2.69]
MOUNTING HOLE.

DIMENSIONS: INCHES [MM] [MM] IS REF. ONLY		E 56068	JUL 31, 2014		JNC	RS
		REVISED AND REDRAWN				
DESIGN REFERENCE		REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
ACCESS CODE		DATE		MFG	DATE	
XXXXXXXXXX		CASTIGLIONE		JUL 31, 2014		
XXXXXXXXXX		CHKD		DATE	APPRV.	DATE
XXXXXXXXXX					R. SCHERER	SEP 05, 2014
DIVISION		DIVISION CODE				
Interconnect Solutions		EMSD				
DO NOT SCALE		TOLERANCES EXCEPT AS NOTED				
DRAWING		1				
		INCHES .00 ± .01 .000 ± .005 .0000 ±				
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .00 ± .3 .00 ± .13 .000 ±				
INTERPRET PER ASME Y14.5 - 2009		MAX. SURFACE ROUGHNESS SURFACES ☒ MARKED ONLY				
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TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN				
CAGE NUMBER		SIZE DRAWING NO.				REV.
D		D78-5100-0478-7				E
MODEL		3000 SERIES				DET. LISTS ☐ YES ☒ NO SHT 1 OF 4

cULus
UL FILE NO: E68080

3M™ FOUR-WALL HEADER, 3000 SERIES

.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN

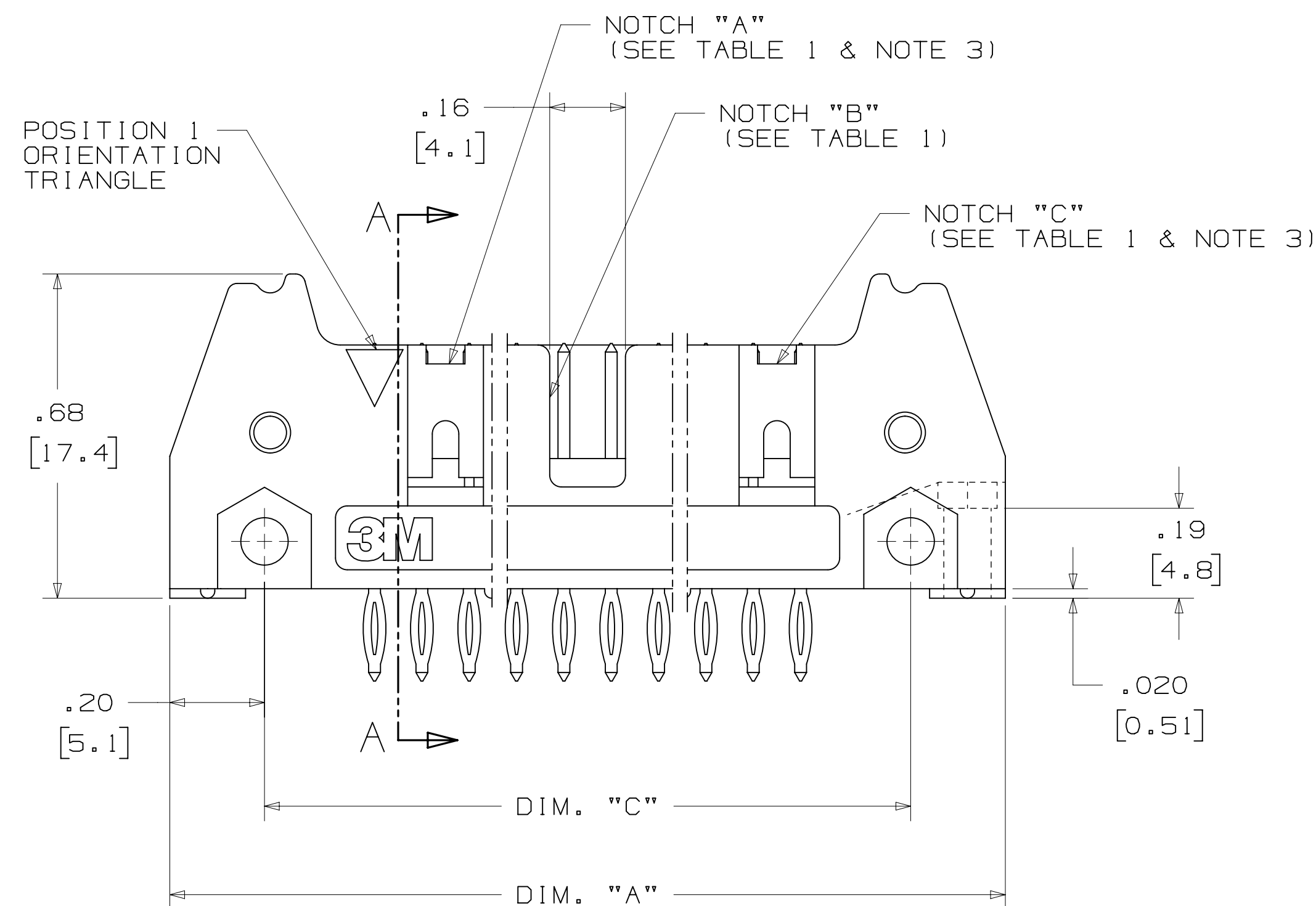
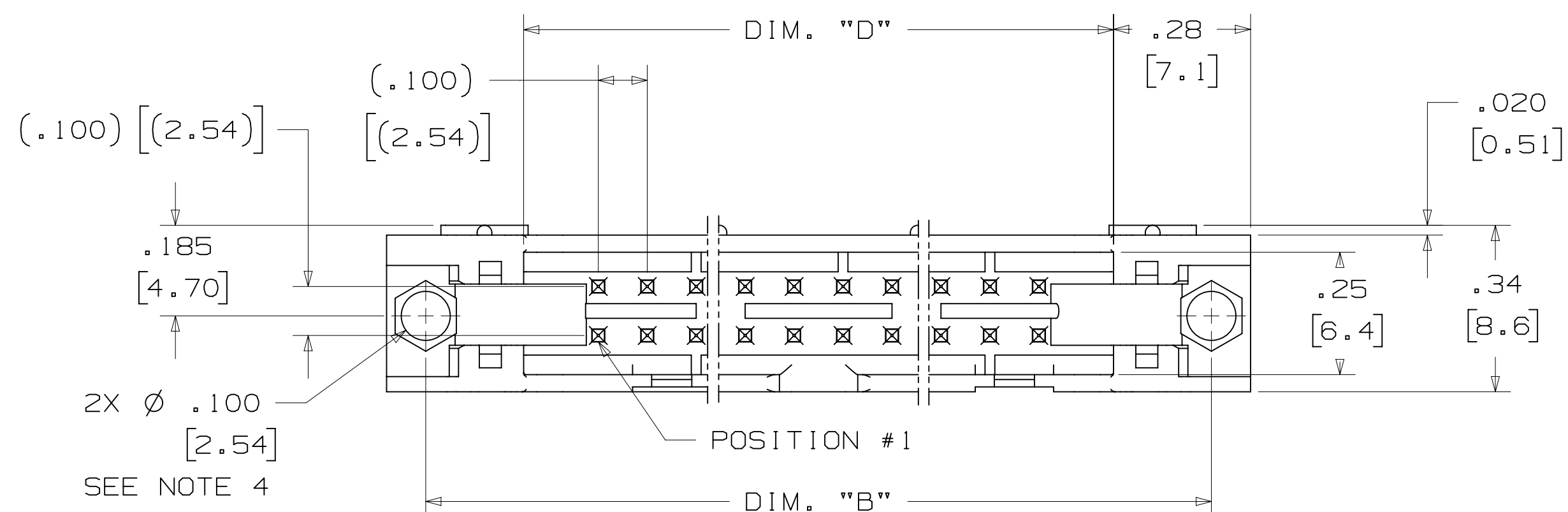
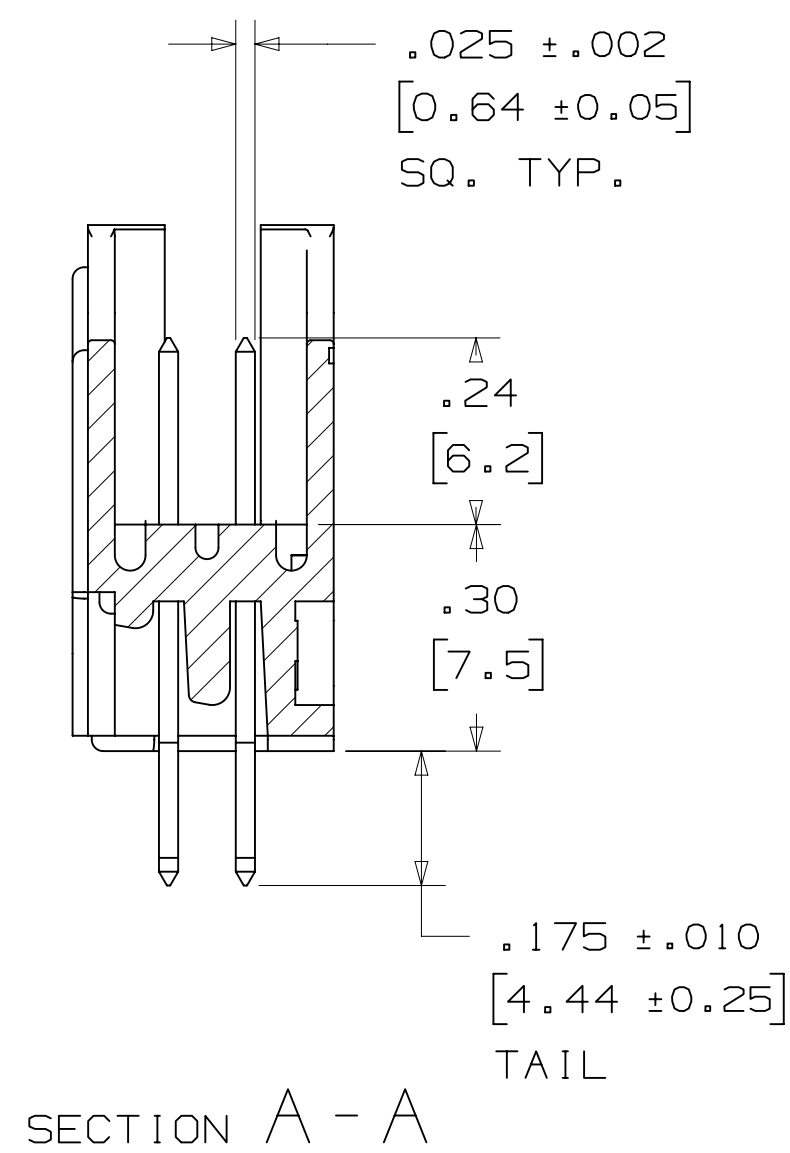


TABLE 1								
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	INSERTION PLATEN 3442-00XX	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	3442-0048	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	3442-0049	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	3442-0050	16
20	3428	1.76 [44.8]	1.604 [40.74]	1.365 [34.67]	1.21 [30.7]	ABC	3442-0051	20
24	3627	1.96 [49.9]	1.805 [45.82]	1.565 [39.75]	1.41 [35.8]	ABC	3442-0052	24
26	3429	2.06 [52.4]	1.905 [48.36]	1.665 [42.29]	1.51 [38.3]	ABC	3442-0053	26
30	3440	2.26 [57.5]	2.105 [53.44]	1.865 [47.37]	1.71 [43.4]	ABC	3442-0054	30
34	3431	2.46 [62.6]	2.305 [58.52]	2.065 [52.45]	1.91 [48.5]	ABC	3442-0055	34
40	3432	2.76 [70.2]	2.605 [66.14]	2.365 [60.07]	2.21 [56.1]	ABC	3442-0056	40
50	3433	3.26 [82.9]	3.105 [78.84]	2.865 [72.77]	2.71 [68.8]	ABC	3442-0057	50
60	3372	3.76 [95.6]	3.605 [91.54]	3.365 [85.47]	3.21 [81.5]	ABC	3442-0058	60
64	3764	3.96 [100.7]	3.805 [96.62]	3.565 [90.55]	3.41 [86.6]	ABC	3442-0059	64

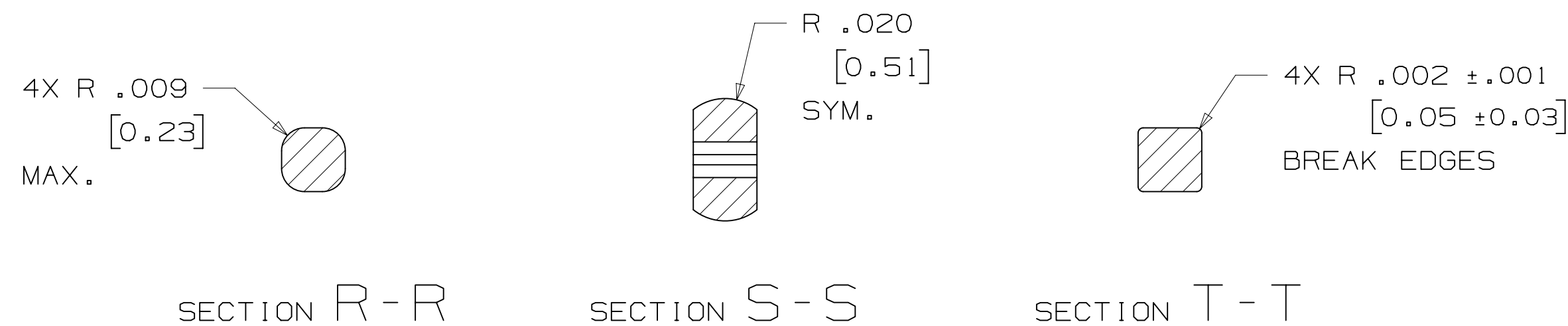
ASSEMBLY EQUIPMENT:
USE 3442-00XX PLATEN (SEE TABLE #1) AND APPROPRIATE COMMERCIAL ARBOR PRESS
TO PRESS HEADER INTO PC BOARD.

E 56068		JUL 31, 2014		JNC	RS
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REV		ECO		ISSUE DATE AND DESCRIPTION	DRFT
CHG		DATE		DATE	CHKD
CARTILIGIONE		JUL 31, 2014		MFG	
DATE		DATE		APPRV.	DATE
				R. SCHERER	SEP 05, 2014
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2015	
Interconnect Solutions		EMSO		This document and the information it contains are 3M property and may not be reproduced or further distributed without permission or for unauthorized purposes. All rights reserved.	
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		3M Center St. Paul, MN 55144	
SCALE 4 1		INCHES 0.000 ± .01 0.000 ± .005 0.0000 ±		TITLE	
		THIRD ANGLE PROJECTION		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR STR, COMPLIANT PIN	
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .3 0.00 ± .13 0.000 ±		CASE NUMBER	
MAX SURFACE ROUGHNESS 0.8 μm SURFACES		ANGLES		SIZE DRAWING NO.	
✓ ☐ MARKED ONLY				D 78-5100-0478-7	
				REV.	
		MODEL		DET.	
		3000 SERIES		THIS ☐ YES ☒ NO	
				SHT 2 OF 4	

.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



HOLE SIZE FOR:
 * PREFERRED DRILLED: $\varnothing .0453 \pm .0005$
 * ACCEPTABLE DRILLED: $\varnothing .0453 \pm .0005 / - .0010$
 * AFTER ETCHBACK: $\varnothing .0460$ MAX.
 * AFTER PLATING: $\varnothing .040 \pm .003$
 * BOARD THICKNESS: .093 TO .150
 PLATING:
 * .001 MIN. COPPER PLATING THICKNESS
 * .0003 MIN. TIN PLATING



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.

LONG SHORT

SNAP-IN LATCHES

(.03)
[(0.8)]
TYP.

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

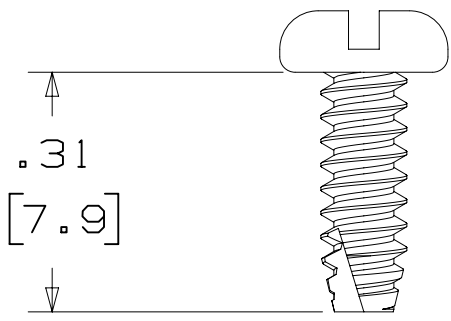
NOTE:
INSERT POST INTO ONE MOUNTING
HARDWARE HOLE ON BOTTOM OF HEADER.
SET POST TO PROTRUDE .115 [2.92]

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

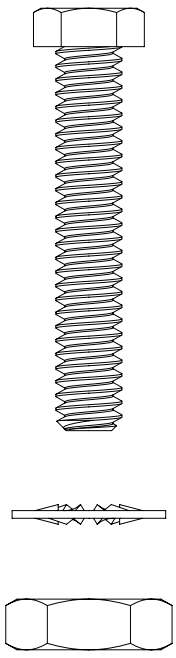
JUL 31, 2014		JNC	IS
REVISED AND REDRAWN			
REV		ECO	ISSUE DATE AND DESCRIPTION
DATE		JUL 31, 2014	MFG DATE
CHKD		DATE	SEP 05, 2014
APPR.		R. SCHERER	
DIVISION CODE		DIVISION	
EMSD		Interconnect Solutions	
DO NOT SCALE DRAWING		SCALE 4/1	
TOLERANCES EXCEPT AS NOTED		3M Center St. Paul, MN 55144	
INCHES		TITLE	
.00 ± .01		HEADER, 4-WALL, .100	
.000 ± .005		X .100 LATCH/EJECTOR	
.0000 ±		STR, COMPLIANT PIN	
THIRD ANGLE PROJECTION		MILLIMETERS	
INTERPRET PER ASME Y14.5 - 2009		0 ± .3	
MAX SURFACE ROUGHNESS		0 ± .13	
ALL SURFACES		0 ± .000	
✓ MARKED ONLY		CASE NUMBER	
		D 78-100-0478-7	
MODEL		SIZE	
3000 SERIES		DRAWING NO.	
		DEL. LISTS	
		YES YES NO	
		SHT 3 OF 4	

3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN

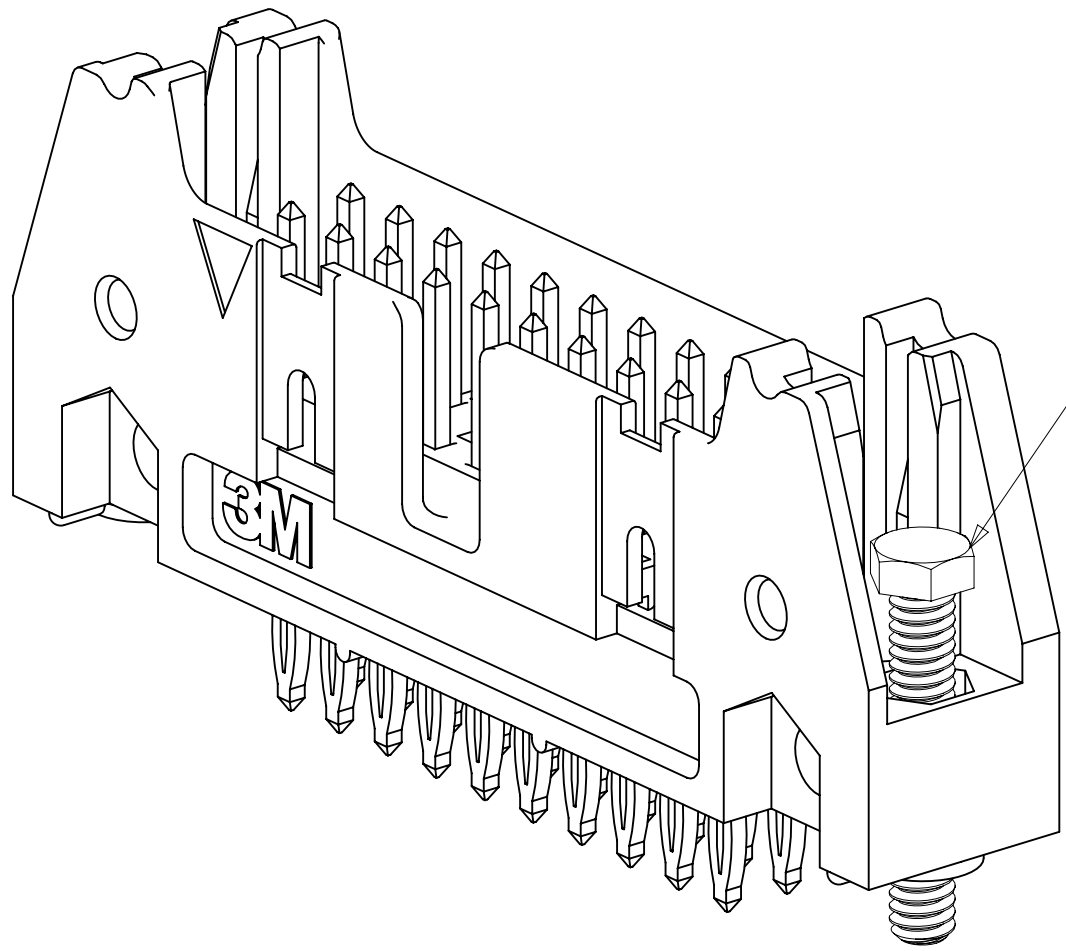
MOUNTING HARDWARE



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

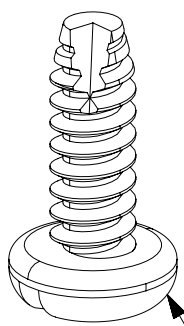
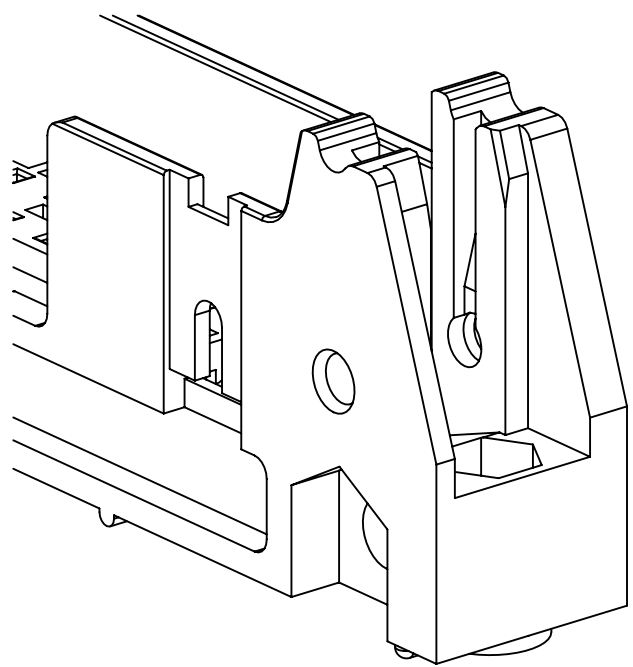


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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

3341-6
#2-56 NUT AND BOLT
TORQUE FOR EACH BOLT: 1.25 - 3.125 INCH LBS.



3341-5
#4-24 TYPE BT SELF THREADING SCREW
WHEN USING LATCHES, MAXIMUM LENGTH
OF SCREW IS .250 INCHES PLUS
THICKNESS OF THE BOARD.
TORQUE FOR EACH SCREW IS 3-5 INCH LBS.

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES		XREF CODES		DRP	DATE	MFG	DATE		
				CHKD	DATE	APPR	DATE		
DIVISION		DIVISION CODE		E 56068		JUL 31, 2014		JNC	RS
Interconnect Solutions		EMSD		REVISED AND REDRAWN					
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		3M		© 3M COPYRIGHT 2015	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		INCHES .00 ± .01 .000 ± .0005 .0000 ±		MILLIMETERS 0 ± .00 ± .03 .00 ± .000 ±		3M Center St. Paul, MN 55144	
MAX SURFACE ROUGHNESS		MARKED ONLY		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN		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.	
CAGE NUMBER		SIZE		DRAWING NO.		REV.			
MODEL		3000 SERIES		D 78-5100-0478-7		E			
DET		YES		NO		SHT 4 OF 4			



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
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Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.