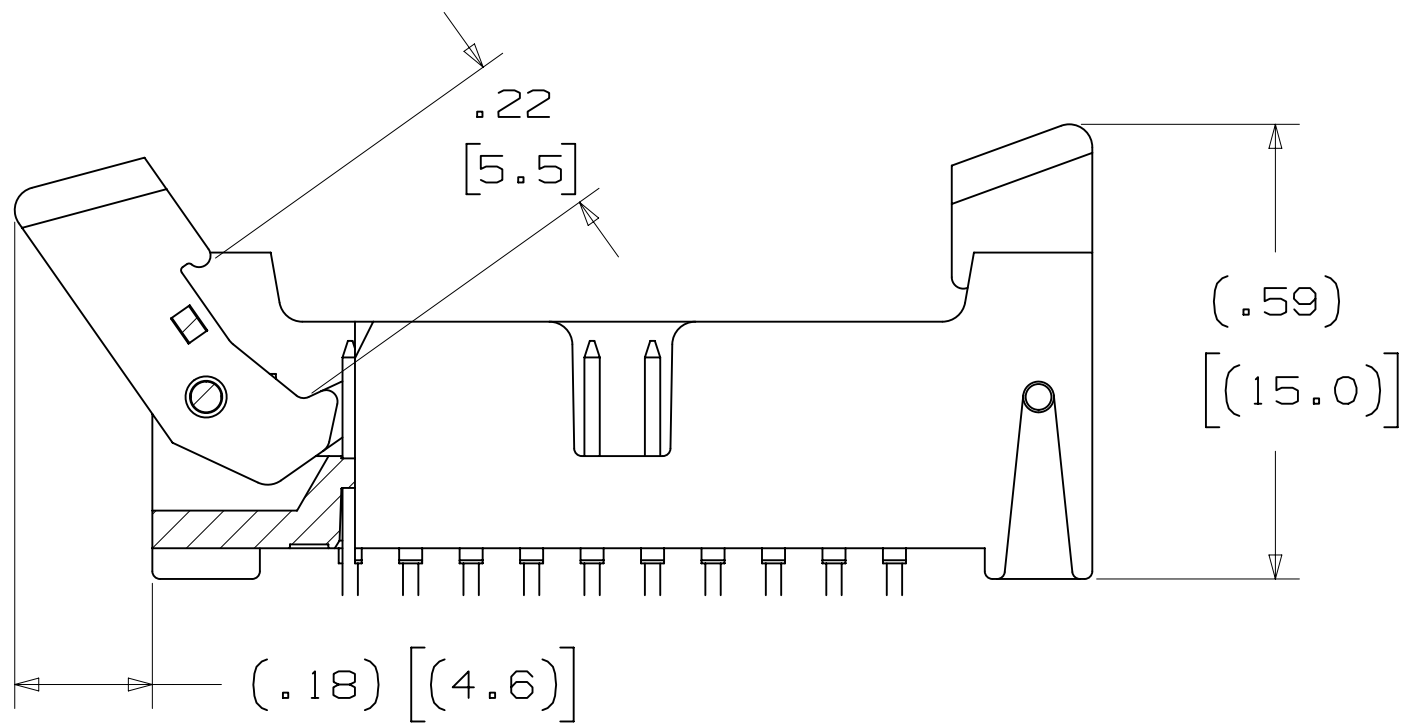
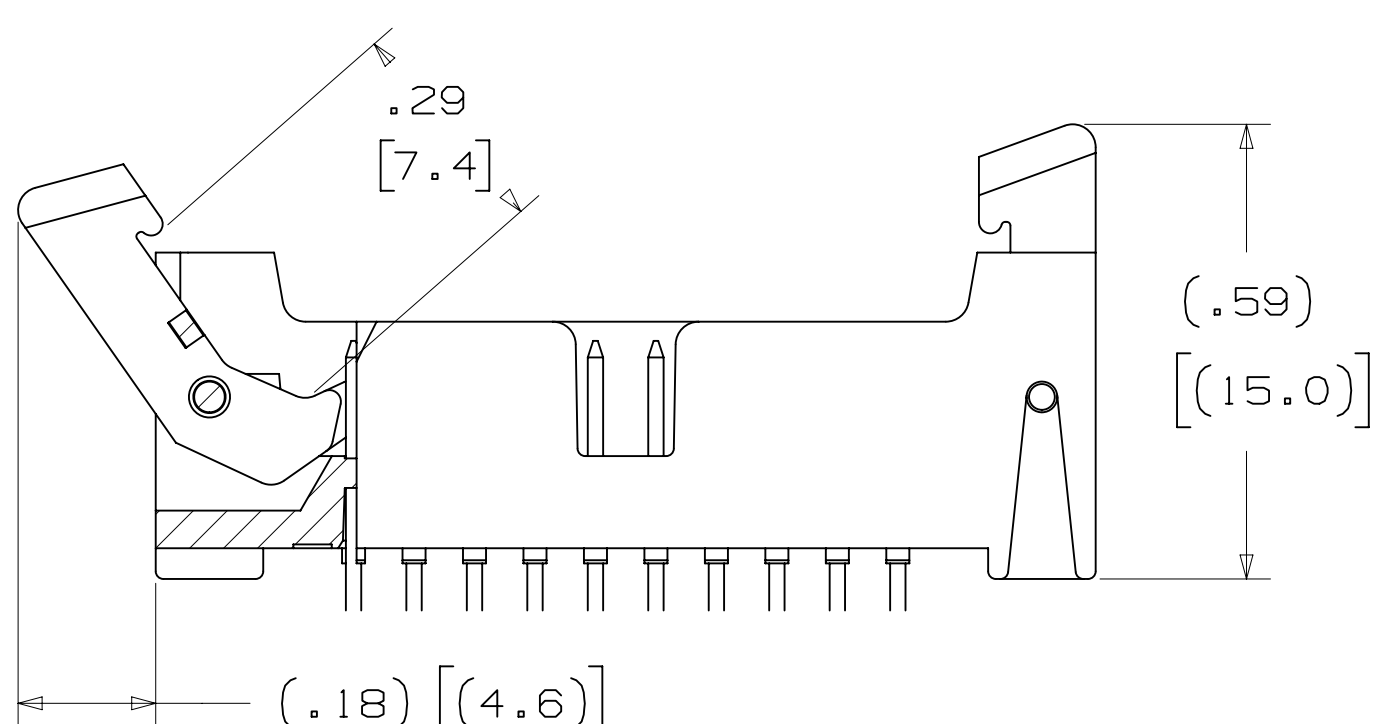


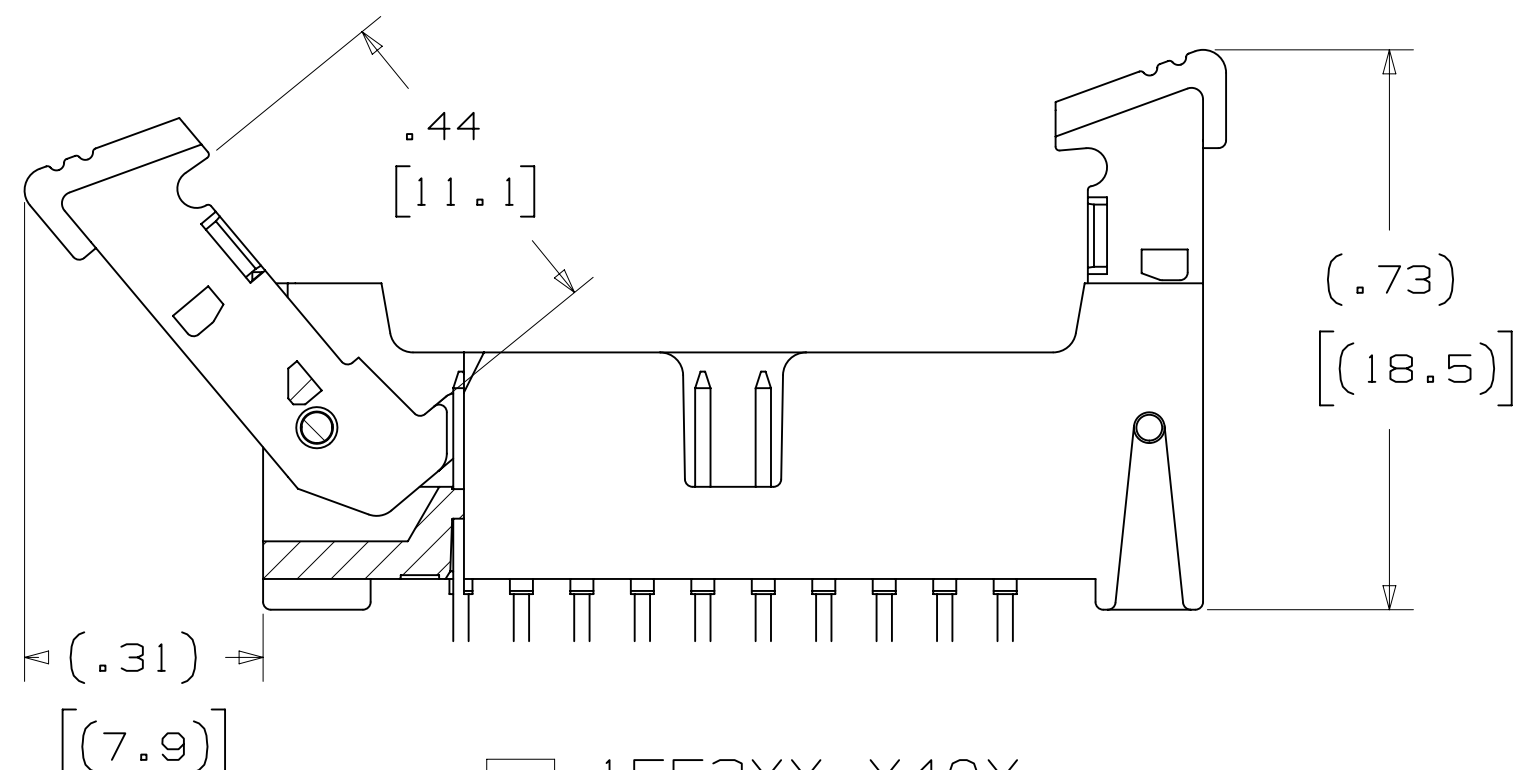
3M™ LATCH/EJECT HEADER, 1552 SERIES
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT



5 1552XX-X20X
LATCH MATING FOR
MOLDED-ON SOCKET
WITH LATCHING EAR



5 1552XX-X30X
LATCH MATING FOR
PRESS-ON SOCKET



5 1552XX-X40X
LATCH MATING FOR
2MM SCI CARRIER

3 ELECTRICAL PERFORMANCE :

CURRENT RATING: 4.75A, 1 LINE POWERED
2.00A, 6 ADJACENT LINES POWERED
1.25A, ALL LINES 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.

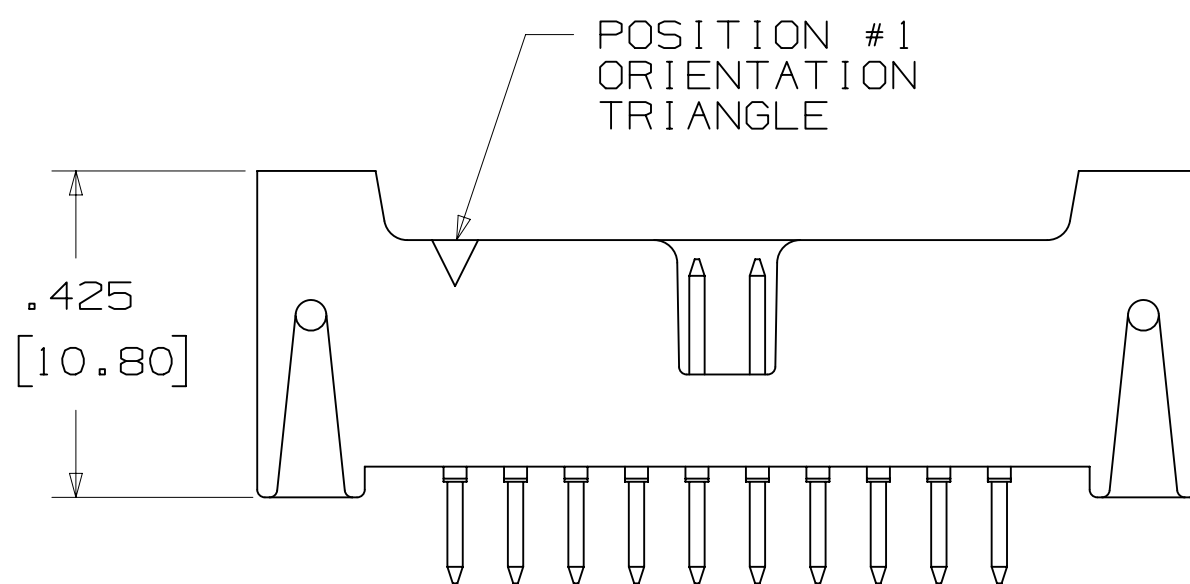
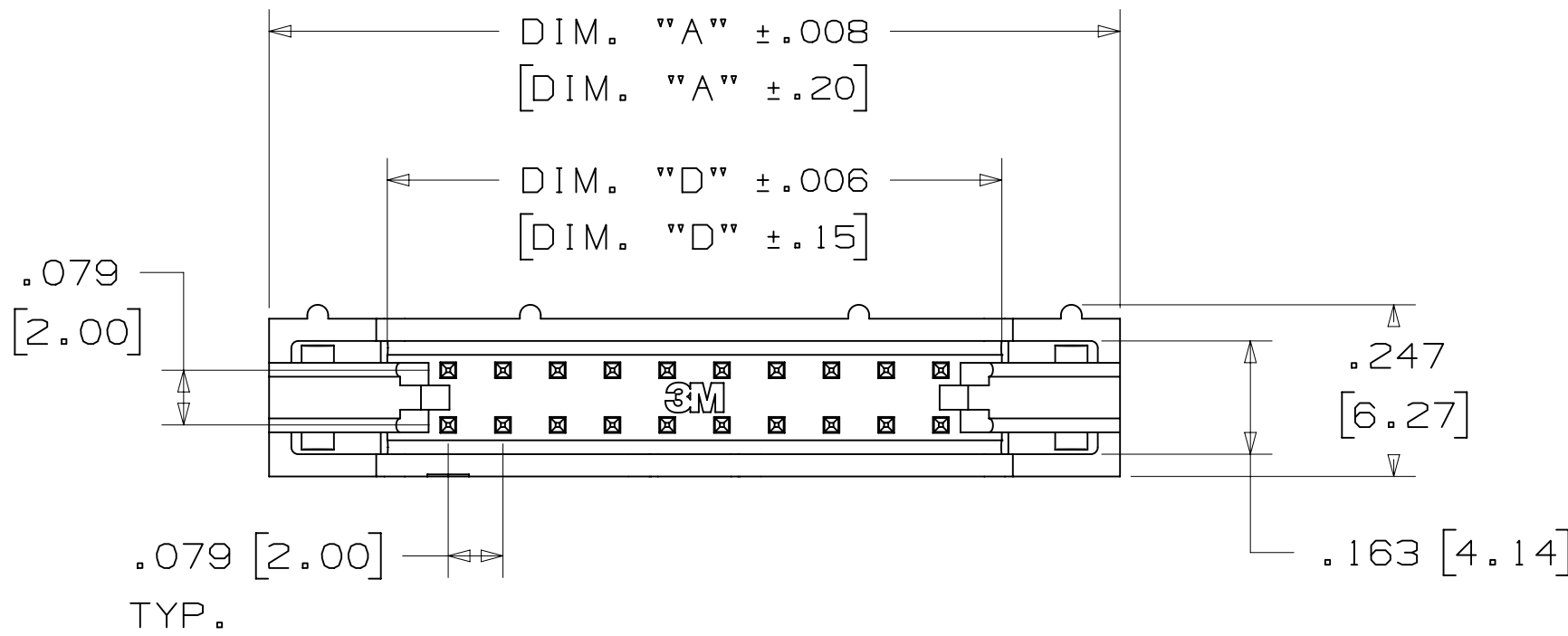
INSULATION RESISTANCE: > 1X10⁹ OHMS AT 500 V_{DC}
WITHSTANDING VOLTAGE (1552XX): 1000 V_{RMS} AT SEA LEVEL
WITHSTANDING VOLTAGE (G1552XX): 750 V_{RMS} AT SEA LEVEL

3 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO +105°C
PROCESS RATING: MAXIMUM 260°C (PER J-STD-020)
MOISTURE SENSITIVITY LEVEL: 1 (PER J-STD-020)

7

TABLE 1							
CONTACT QTY.	DIM. "A"	DIM. "B"	DIM. "D"	LATCH OPTION	TAPE WIDTH	ORDER CODE	CONTACT QTY.
06	.673 [17.09]	.157 [4.00]	.333 [8.45]	2, 4	44 MM	WD	06
08	.752 [19.10]	.236 [6.00]	.411 [10.44]	2, 4	44 MM	WD	08
10	.831 [21.10]	.315 [8.00]	.490 [12.45]	2, 3, 4	44 MM	WD	10
12	.910 [23.10]	.394 [10.00]	.569 [14.45]	3, 4	44 MM	WD	12
16	1.067 [27.10]	.551 [14.00]	.726 [18.44]	2, 4	56 MM	WE	16
20	1.224 [31.09]	.709 [18.00]	.884 [22.45]	2, 3, 4	56 MM	WE	20
22	1.303 [33.10]	.787 [20.00]	.963 [24.46]	2, 4	56 MM	WE	22
24	1.382 [35.10]	.866 [22.00]	1.041 [26.44]	2, 4	56 MM	WE	24
26	1.461 [37.10]	.945 [24.00]	1.120 [28.45]	2, 3, 4	72 MM	WF	26
30	1.618 [41.10]	1.102 [28.00]	1.278 [32.46]	2, 4	72 MM	WF	30
34	1.774 [45.09]	1.260 [32.00]	1.435 [36.46]	2, 4	72 MM	WF	34
40	2.012 [51.10]	1.496 [38.00]	1.671 [42.44]	2, 3, 4	72 MM	WF	40
44	2.169 [55.09]	1.654 [42.00]	1.829 [46.46]	2, 3, 4	88 MM	WG	44
50	2.405 [61.09]	1.980 [48.00]	2.065 [54.45]	2, 3, 4	88 MM	WG	50



TYPICAL CONNECTOR DIMENSIONS
FOR THE HEADERS ON THIS DRAWING
(EXCEPT AS NOTED)

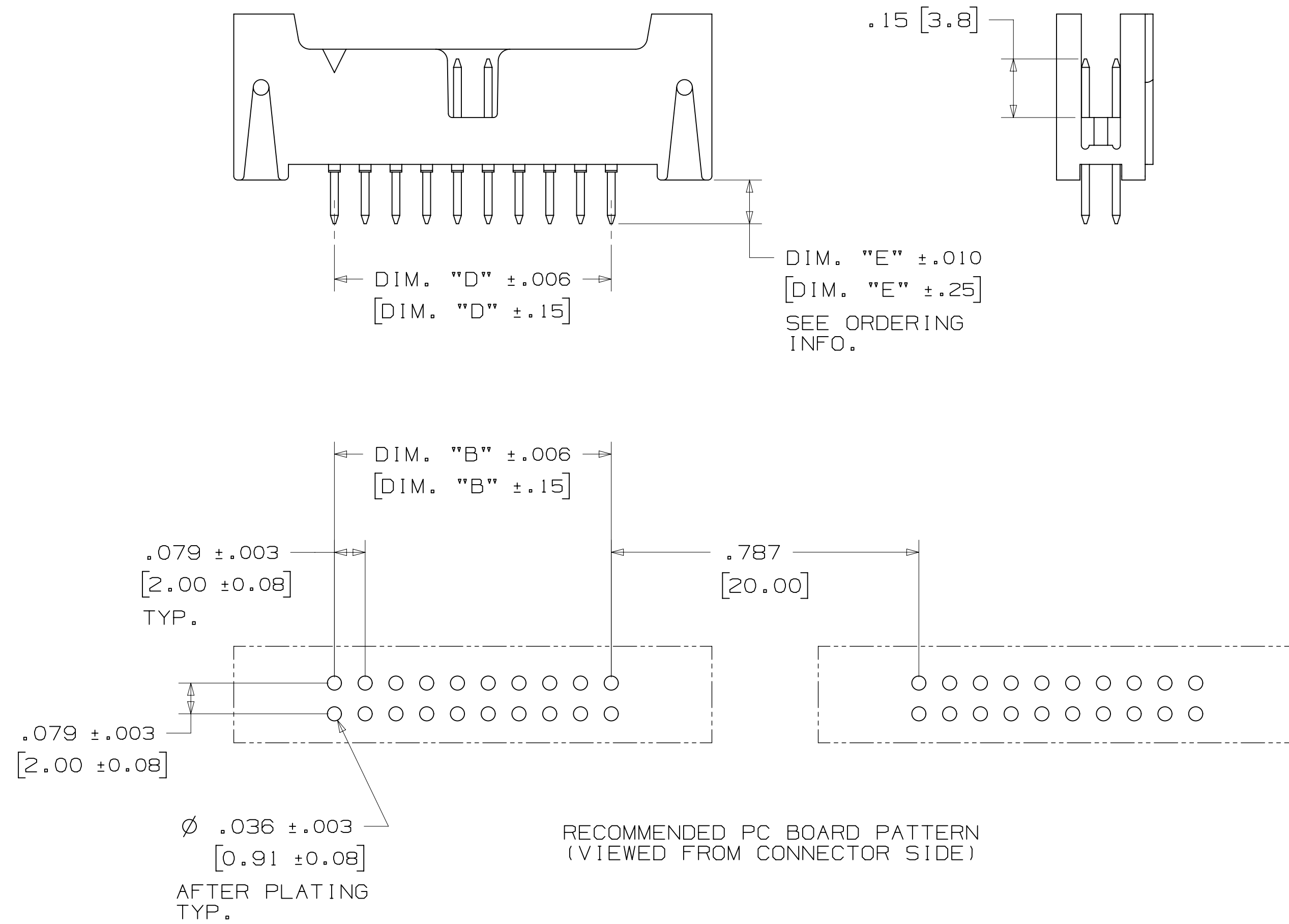
DIMENSIONS: MM [INCHES]

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXX		1		8-11-16 ADD SHT 4		
XXXXX		2		REVISE TRADEMAKE NOTE		
XXXXX		3		JUN 01, 2016		
XXXXX		4		PRODUCTION RELEASE,		
XXXXX		5		APR 29, 2016		
DIVISION	DIVISION CODE	DATE	DATE	DATE	DATE	DATE
XXXXX	EMSD	JAN 21, 2015	JAN 21, 2015	JAN 21, 2015	JAN 21, 2015	JAN 21, 2015
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	INCHES .00 ± .01 .000 ± .008 .0000 ±				
MAX SURFACE ROUGHNESS	DEF SURFACES	MILLIMETERS 0 ± .3 .00 ± .20 .000 ±				
MARKED ONLY	ANGLES					
3M	3M Center St. Paul, MN 55144	© 3M COPYRIGHT 2017				
TITLE	LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT					
CAGE NUMBER	SIZE	DRAWING NO.	REV.			
D	78-5100-2199-7	L				
MODEL	1552	DET	LISTS	YES	NO	SHT 1 OF 4

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

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INFORMATION CALL 800-225-5373

STRAIGHT VERSION



ORDERING INFORMATION

1552XX-6X0X-XX

CONTACT QUANTITY: -

LATCHING OPTIONS:

2 = LATCH, MOLDED-ON SOCKET WITH
LATCHING EARS, SERIES: 870, 2MM

3 = LATCH, PRESS-ON SOCKET, SERIES: 1522

4 = LATCH, 2MM SCI CARRIER ONLY,
SERIES: 93XX

- PLATING OPTIONS:

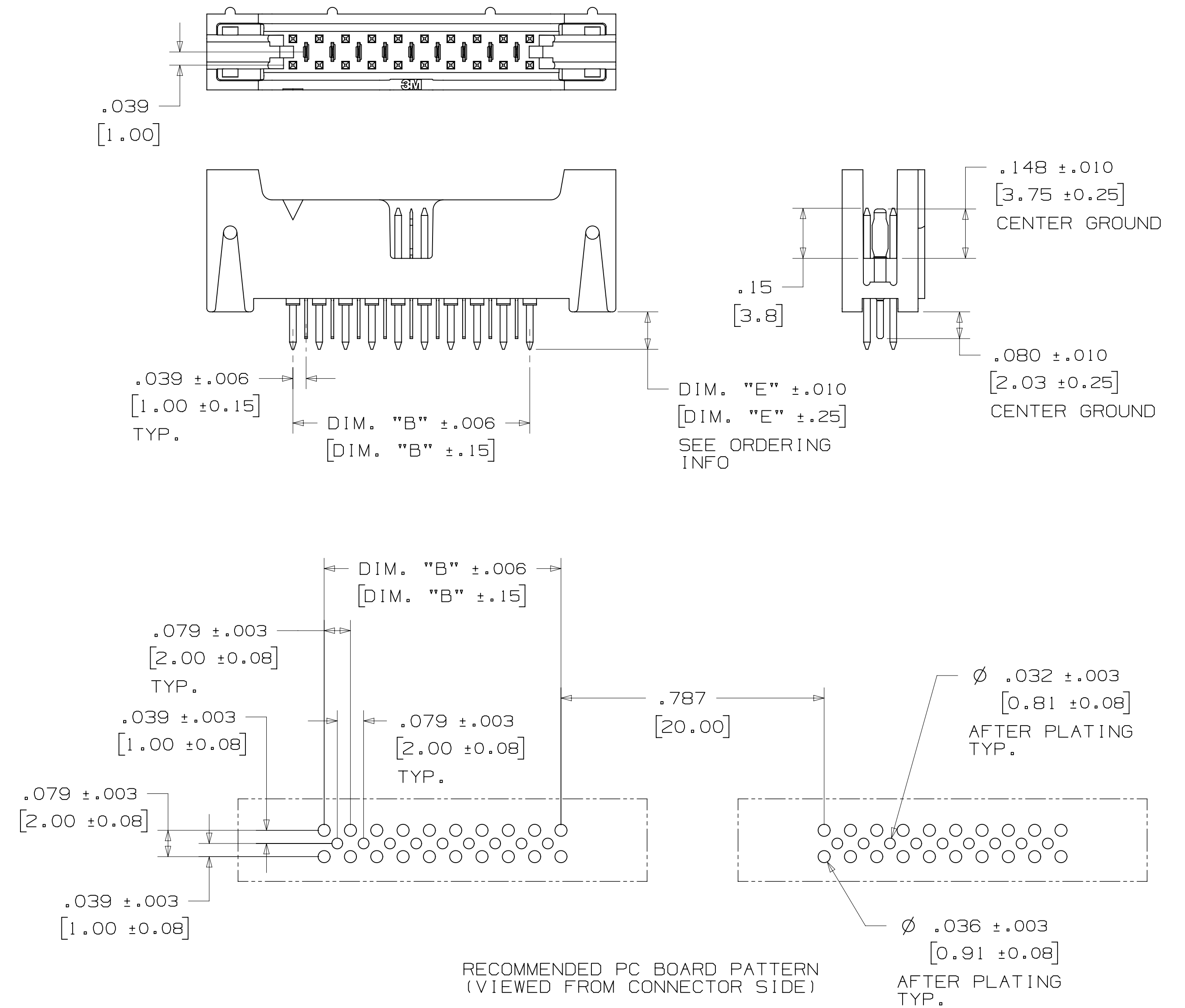
RA = 30μIN [.76μm] GOLD
RA = 10μIN [.25μm] GOLD
(RIA E1 & C1 APPLY) FOR
BOTH PLATINGS

```

- SOLDER TAIL LENGTH:
  DIMENSION "E"
  2 = .112 [ 2.84 ]
  3 = .155 [ 3.94 ]

```

STRAIGHT VERSION WITH INTERSTITIAL GROUNDS



ORDERING INFORMATION

G1552XX-6X0X-XX

CONTACT QUANTITY: -

LATCHING OPTIONS: _____
4 = LATCH, 2MM SCI CARRIER ONLY,
SERIES 93XX

PLATING OPTIONS:

RB = $30\mu\text{IN}$ [$.76\mu\text{m}$] GOLD
RA = $10\mu\text{IN}$ [$.25\mu\text{m}$] GOLD
(RIA E1 & C1 APPLY) FOR
BOTH PLATINGS

— SOLDER TAIL LENGTH:
DIMENSION "E"
2 = .112 [2.84]

DESIGN REFERENCE			NEXT ASSEMBLY			REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD		
ADDEND CODES						DRAFT		DATE		INFO		DATE				
						CASTIGLIONE		JAN 21, 2015								
						CHKD		DATE		APPROV		DATE		JAN 21, 2015		
DIVISION						DIVISION CODE										
						EMSD										
DO NOT SCALE DRAWING			SCALE 4 1			TOLERANCES EXCEPT AS NOTED						© 3M COPYRIGHT 2017 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			.0 ± .00 ± .000 ± .0000 ±			TITLE			LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT				
THIRD ANGLE PROJECTION									CAGE NUMBER							
INTERPRET PER ASME Y14.5 - 2009			MILLIMETERS			0 ± .0 ± .00 ± .000 ± .0000 ±			SIZE			DRAWING NO. 578-5100-2199-7				
MAX. SURFACE ROUGHNESS			.0 ± .0 ± .00 ± .000 ±			.0 ± .0 ± .00 ± .000 ±			D							
☒ MARKED SURFACES ☐ UNMARKED SURFACES									MODEL			1552				
☒ MARKED ONLY ☐ UNMARKED ONLY			ANGLE						DET.							
									SHT 2 OF 4							

RIGHT ANGLE VERSION



1552XX-5X0X-XX

CONTACT QUANTITY:

LATCHING OPTIONS:—
 2 = LATCH, MOLDED-ON SOCKET WITH
 LATCHING EARS, SERIES: 870, 2MM
 3 = LATCH, PRESS-ON SOCKET, SERIES: 1522
 4 = LATCH, 2MM SCI CARRIER ONLY,
 SERIES 93XX

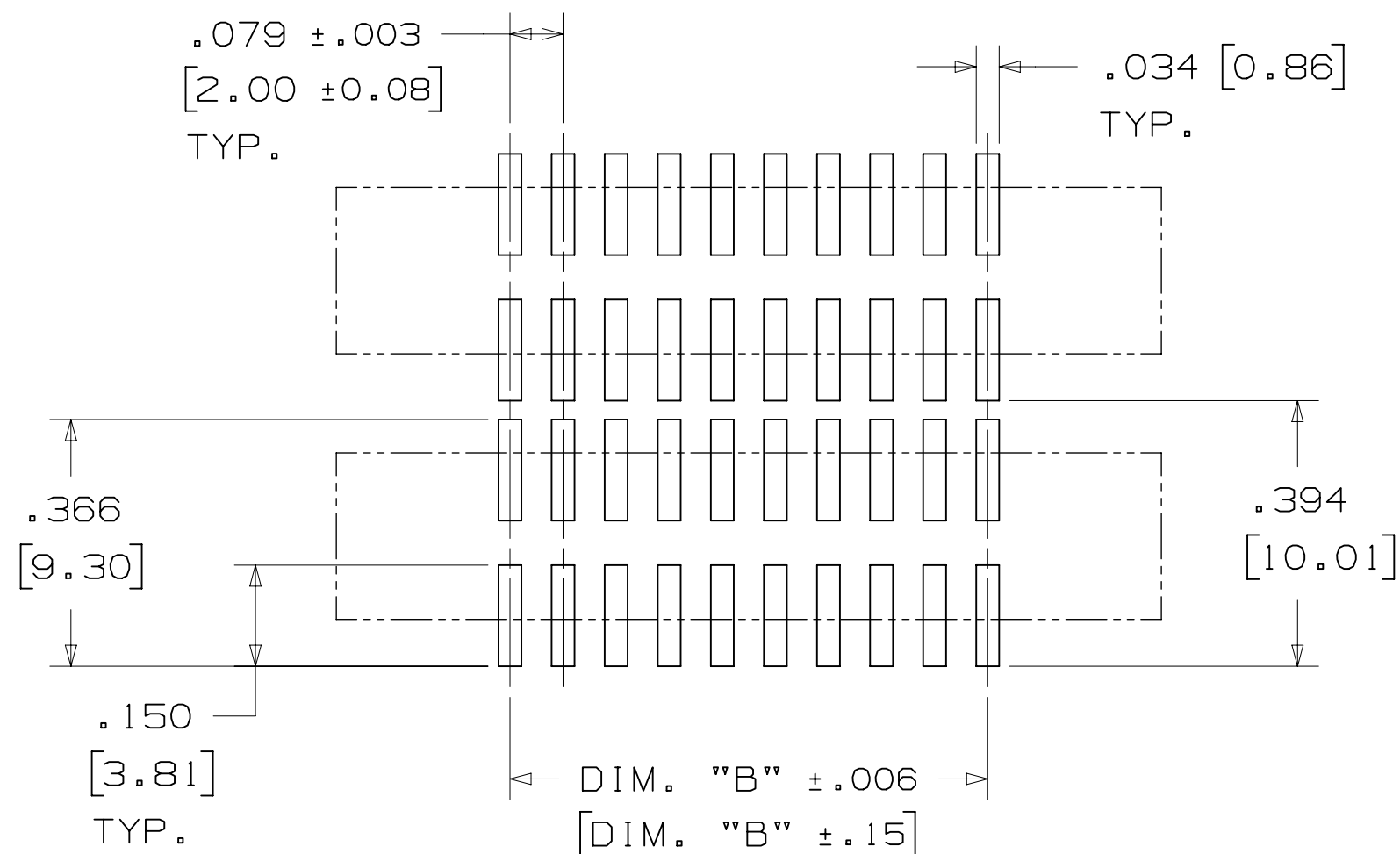
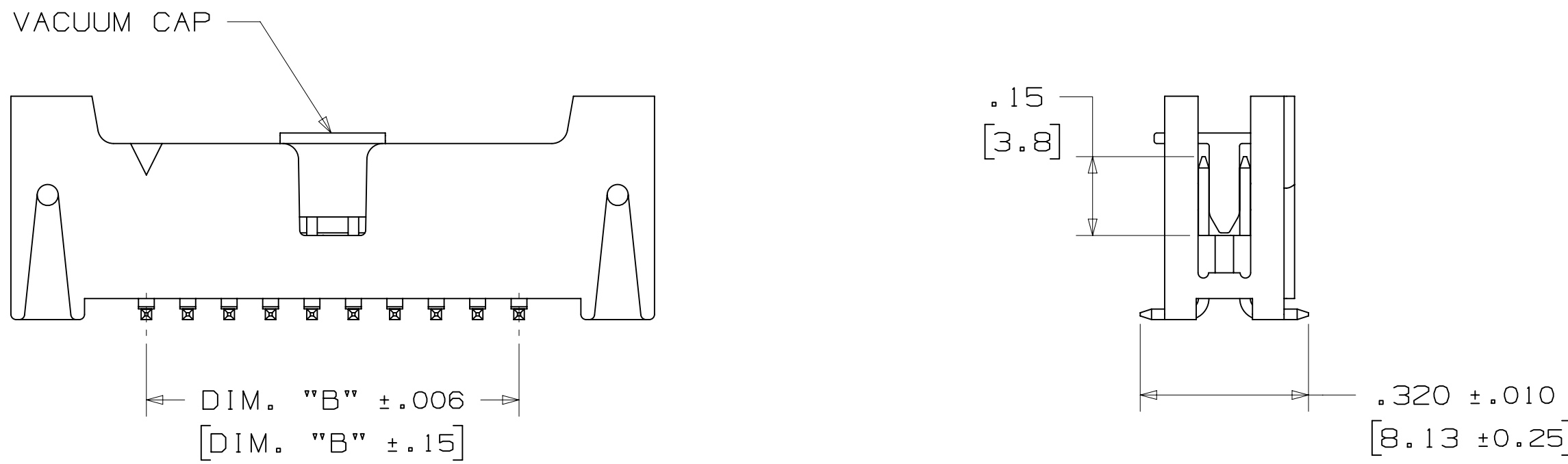
PLATING OPTIONS:
RB = 30μIN [.76μm] GOLD
RA = 10μIN [.25μm] GOLD
(RIA E1 & C1 APPLY) FOR
BOTH PLATINGS

```
SOLDER TAIL LENGTH:
DIMENSION "E"
2 = .112 [ 2.84 ]
3 = .155 [ 3.94 ]
```

SURFACE MOUNT VERSION

NOTES:

- 1) TAPE & REEL PARTS ALWAYS SUPPLIED WITH VACUUM PICK-UP CAP.
- 2) TAPE & REEL NOT AVAILABLE WITH SCI LATCH OPTION.
- 3) TRAY PARTS SUPPLIED WITHOUT VACUUM PICK-UP CAP.



RECOMMENDED PC BOARD PATTERN
(VIEWED FROM CONNECTOR SIDE)

ORDERING INFORMATION

1552XX-2X00-XX-XX

CONTACT QUANTITY: —

LATCHING OPTIONS: _____

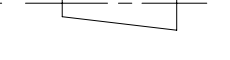
2 = LATCH, MOLDED-ON SOCKET WITH
LATCHING EARS, SERIES: 870, 2MM

3 = LATCH, PRESS-ON SOCKET, SERIES: 1522

4 = LATCH, 2MM SCI CARRIER ONLY,
SERIES 93XX

PACKAGING:
BLANK = TRAYS
WX = TAPE & REEL
(SEE TABLE 1 ORDER CODE)

PLATING OPTIONS: —
RB = 30μIN [.76μm] GOLD
RA = 10μIN [.25μm] GOLD
(RIA E1 & C1 APPLY) FOR
BOTH PLATINGS

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT CASTIGLIONE		DATE JAN 21, 2015		WFO	DATE
				CHKD		DATE		APRVL R. SCHERER	DATE JAN 21, 2015
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2017					
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DO NOT SCALE DRAWING		SCALE 4 1	TOLERANCES EXCEPT AS NOTED		TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT				
		INCHES .00 ± .01 .000 ± .008 .0000 ±							
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .3 .00 ± .20 .00 ±							
INTERPRET PER ASME Y14.5 - 2009				CAGE NUMBER D 78-5100-2199-7					
MAX SURFACE ROUGHNESS  1.6 ☒ UNMARKED SURFACES		~~ANGLES~~		DRAWING NO. REV. L					
				MODEL 1552					
				DET. LISTS ☒ YES ☒ NO SHT 3 OF 4					

3M™ LATCH/EJECT HEADER, 1552 SERIES
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT

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L		58601		AUG 11, 2016		JNC		RS	
				8-11-16 ADD SHT 4					
				REVISE TRADEMAKE NOTE					
				JUN 01, 2016					
				PRODUCTION RELEASE,					
				APR 29, 2016					
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRG	CASTIGLIONE	DATE	JUN 21, 2015	MFG	DATE
				CHKD		DATE		APPRVL	DATE
								R. SCHERER	JUN 21, 2015
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		ENSD		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.			
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SCALE 1 1									
		INCHES		TITLE					
THIRD ANGLE PROJECTION		.00 ± .01 .000 ± .00B .0000 ±		LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT					
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .0 ± .3 .00 ± .20 .000 ±		CAGE NUMBER		SIZE		REV.	
MAX SURFACE ROUGHNESS				D		78-5100-2199-7		L	
MIN SURFACE FINISH				MODEL		1552		DET. LISTS ☐ YES ☒ NO	
✓ ☐ MARKED ONLY		ANGLES						SHT 4 OF 4	



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- 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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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

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