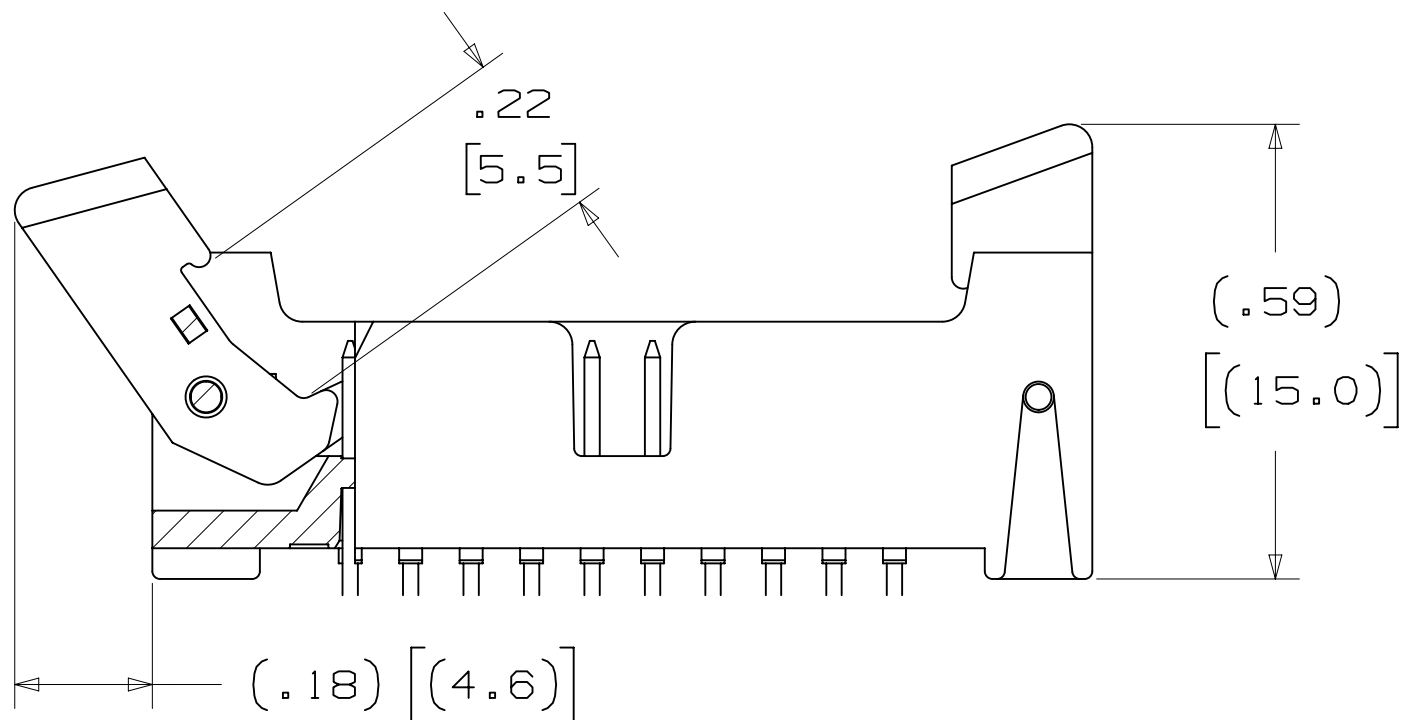
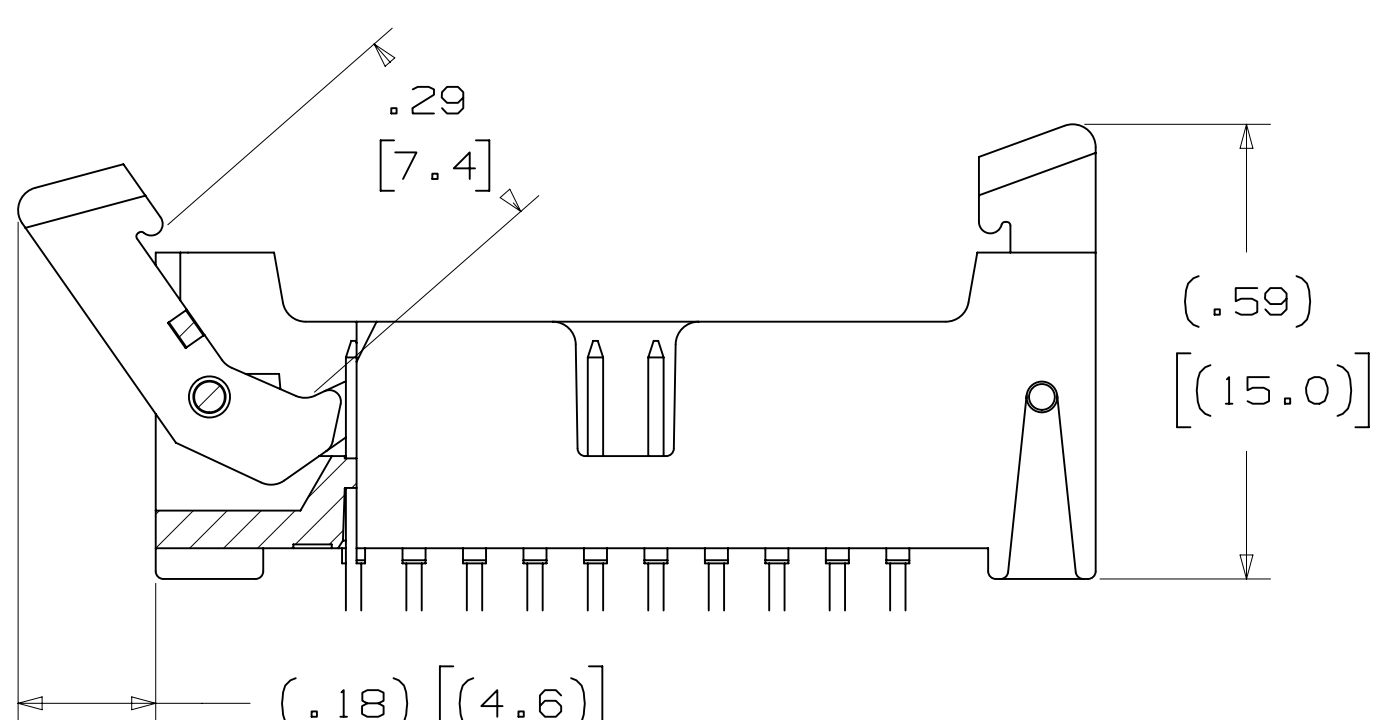


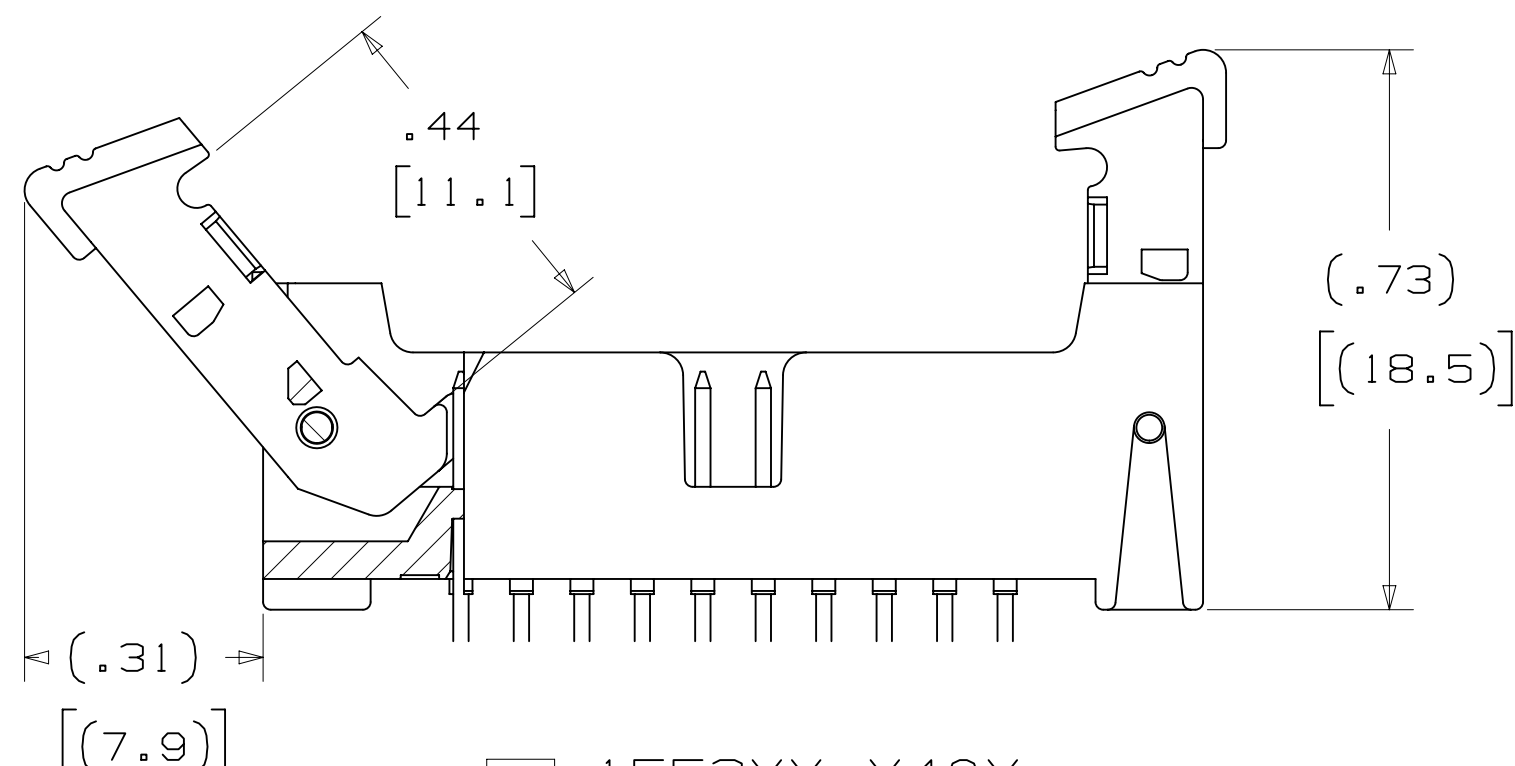
3M™ LATCH/EJECT HEADER, 1552 SERIES
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT



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.

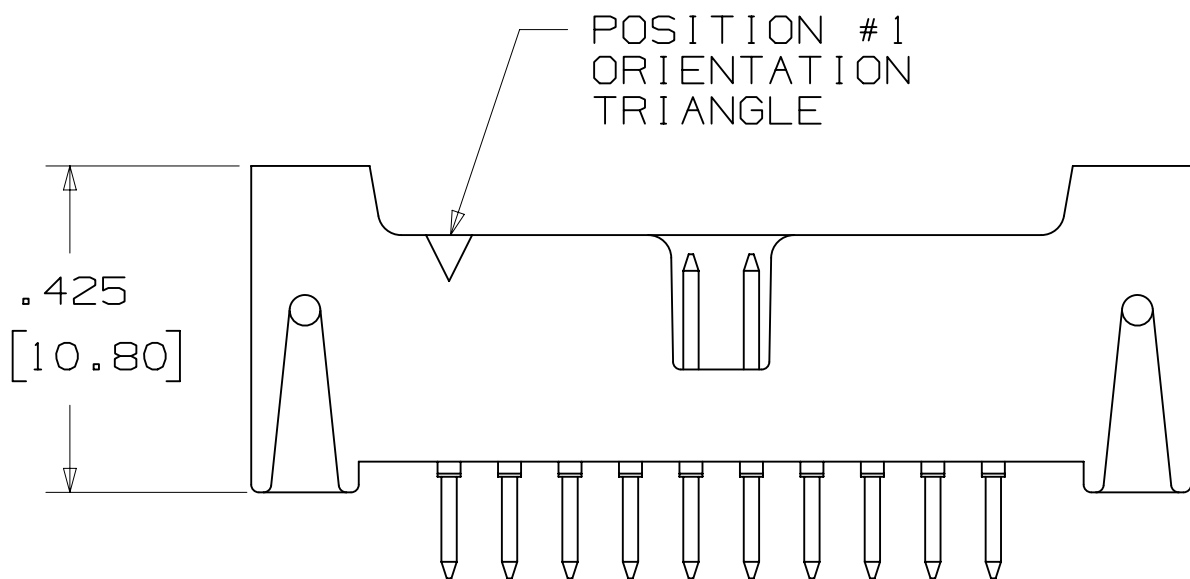
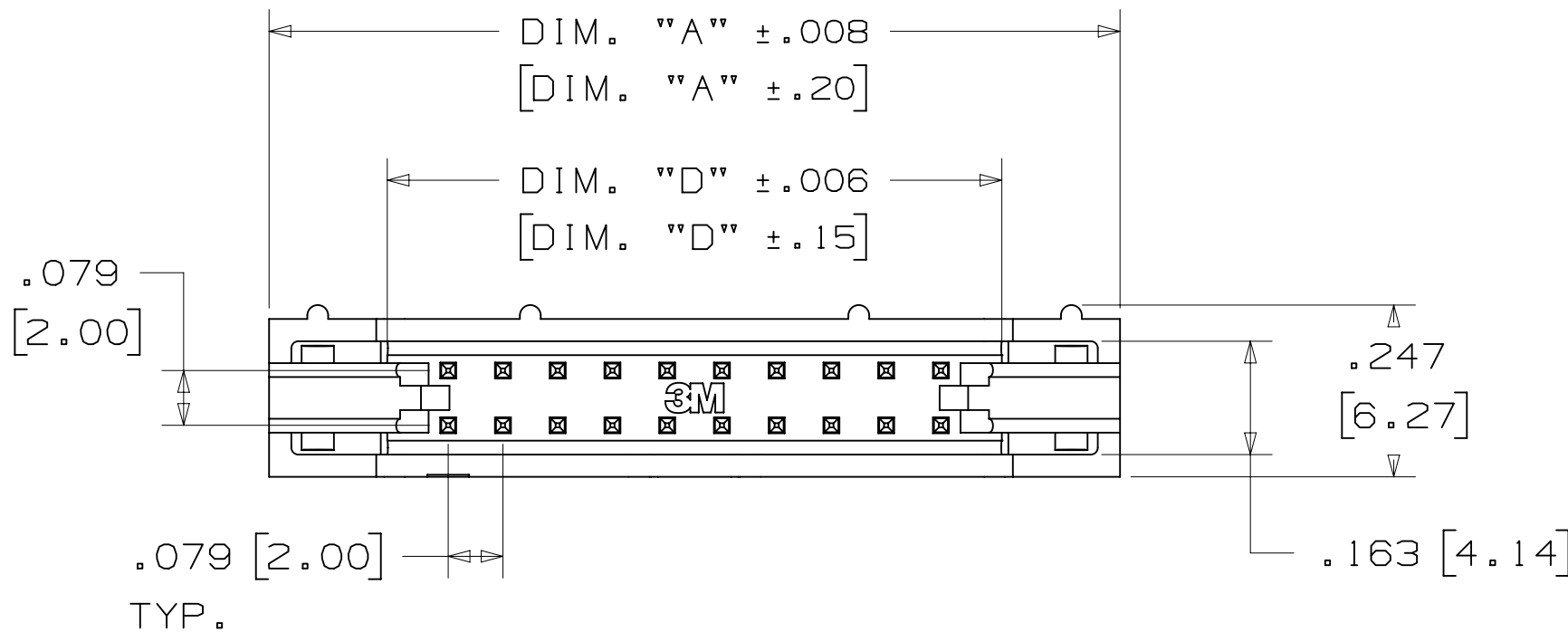
INSULATION RESISTANCE: > 1X10⁹ OHMS AT 500 V_{DC}
WITHSTANDING VOLTAGE (1552XX): 1000 V_{RMS} AT SEA LEVEL
WITHSTANDING VOLTAGE (G1552XX): 750 V_{RMS} AT SEA LEVEL

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]

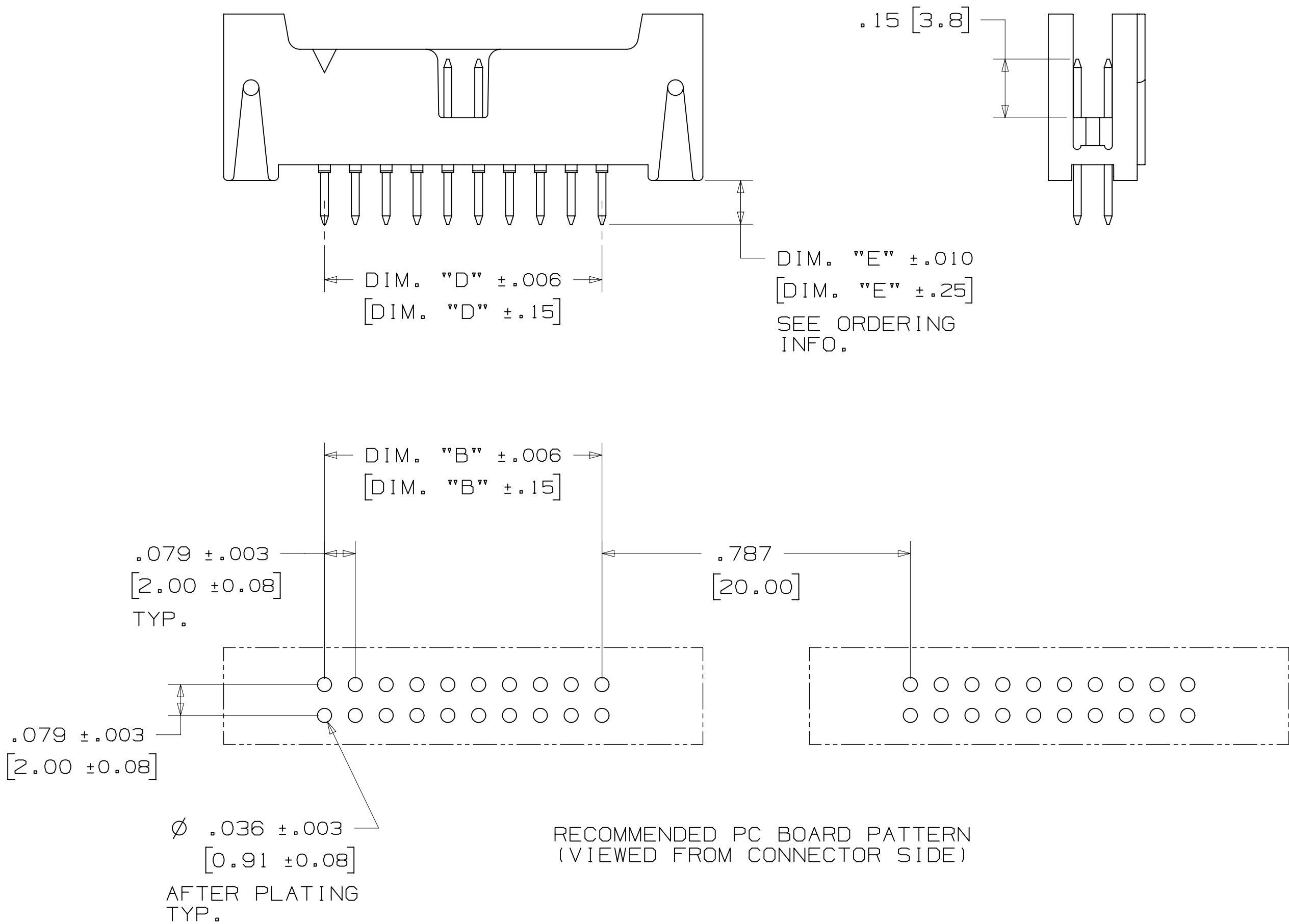
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XXXXX		1		8-11-16 ADD SHT 4		
XXXXX		2		REVISE TRADEMAKE NOTE		
XXXXX		3		JUN 01, 2016		
XXXXX		4		PRODUCTION RELEASE,		
XXXXX		5		APR 29, 2016		
DIVISION	DIVISION CODE	DATE	DATE	DATE	DATE	DATE
XXXXX	EMSD	JAN 21, 2015	JAN 21, 2015	JAN 21, 2015	JAN 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

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

STRAIGHT VERSION



ORDERING INFORMATION
1552XX-6X0X-XX

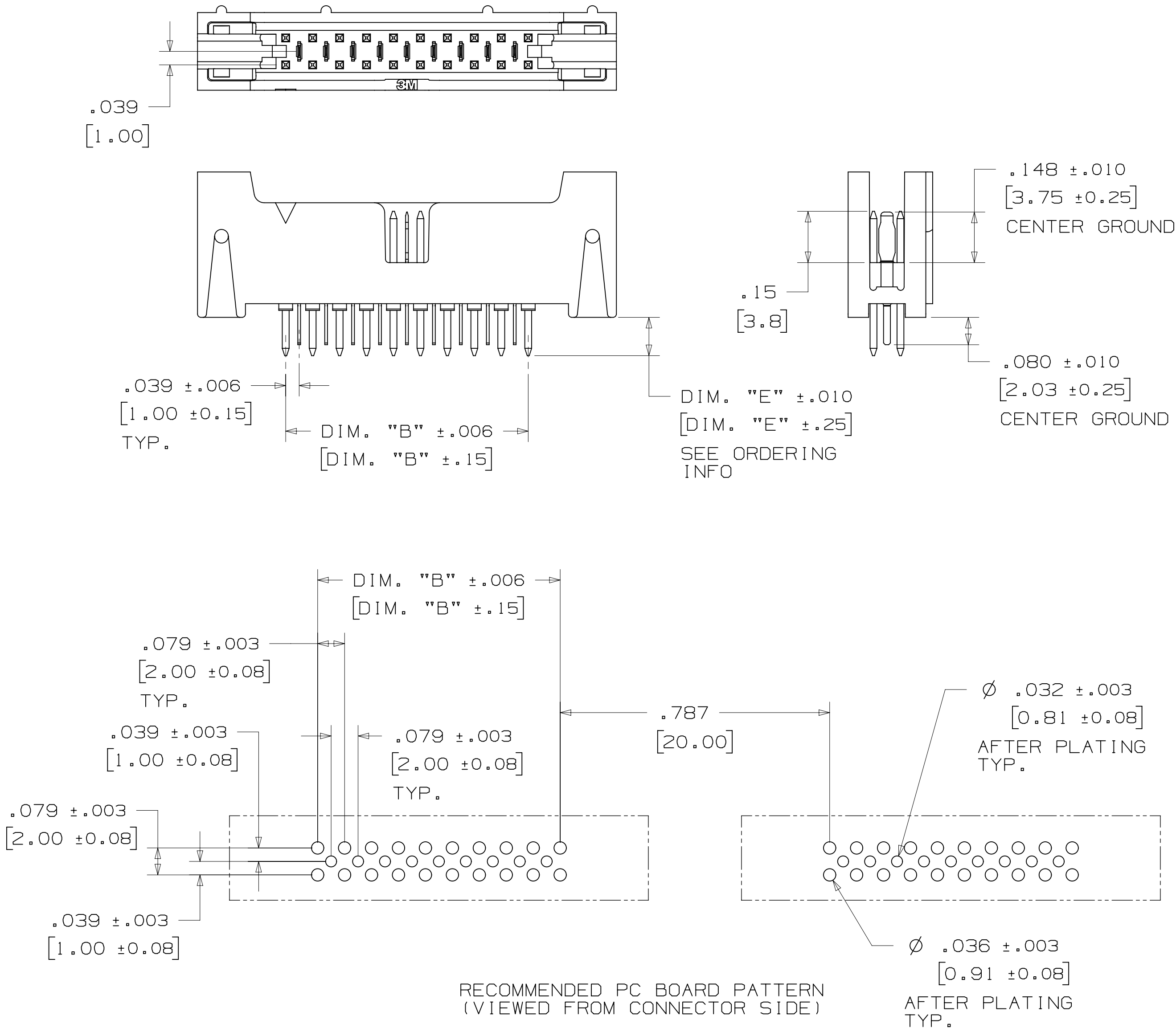
CONTACT QUANTITY: _____

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:
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]

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

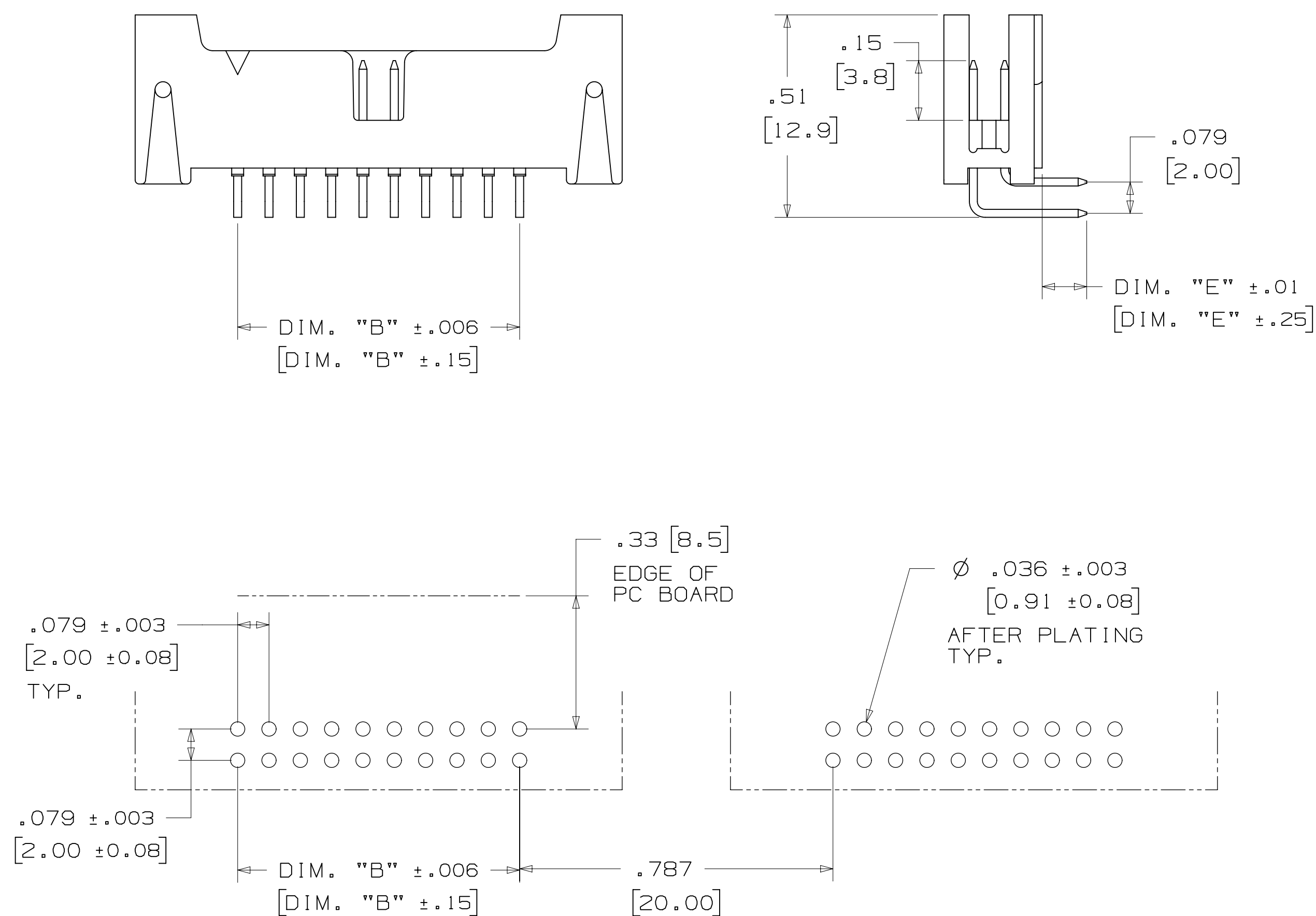
SOLDER TAIL LENGTH: DIMENSION "E"
2 = .112 [2.84]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
~~ACCESS CODES~~		<del></del>		<del></del>	<del></del>	DRFT	CASTIGLIONE	DATE	MFG
<del></del>		<del></del>		<del></del>	<del></del>	DATE	JAN 21, 2015	DATE	
<del></del>		<del></del>		<del></del>	<del></del>	CHKD		DATE	APPR
<del></del>		<del></del>		<del></del>	<del></del>			JAN 21, 2015	BY: SCHERER
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2017					
EMSD		EMSD		This document and the information it contains are 3M property and may not be reproduced or further distributed without the 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.					
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		INCHES		.00 ± .01 .000 ± .008 .0000 ± .0000		TITLE			
THIRD ANGLE PROJECTION		MILLIMETERS		0 ± .3 .00 ± .20 .000 ± .000		LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT			
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		SURFACES		CAGE NUMBER		SIZE	
✓ ☐ MARKED ONLY		✓ ☐ MARKED ONLY		✓ ☐ MARKED ONLY		D		DRAWING NO.	
						1552		78-5100-2199-7	
						MODEL		REV.	
						1552		L	
						LISTS		YES	
						NO		SHT 2 OF 4	

3M™ LATCH/EJECT HEADER, 1552 SERIES

2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT

RIGHT ANGLE VERSION



RECOMMENDED PC BOARD PATTERN
(VIEWED FROM CONNECTOR SIDE)

ORDERING INFORMATION

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

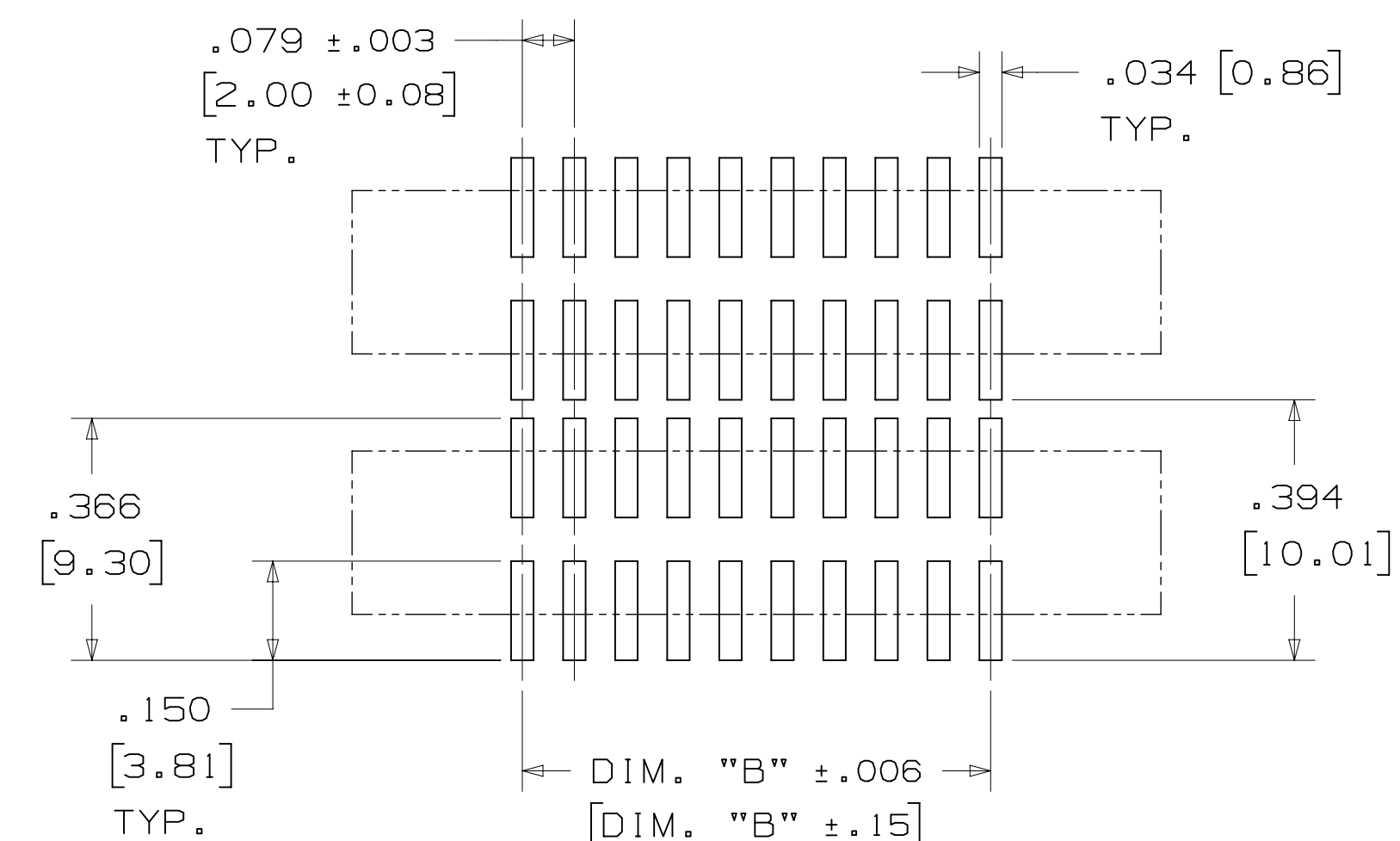
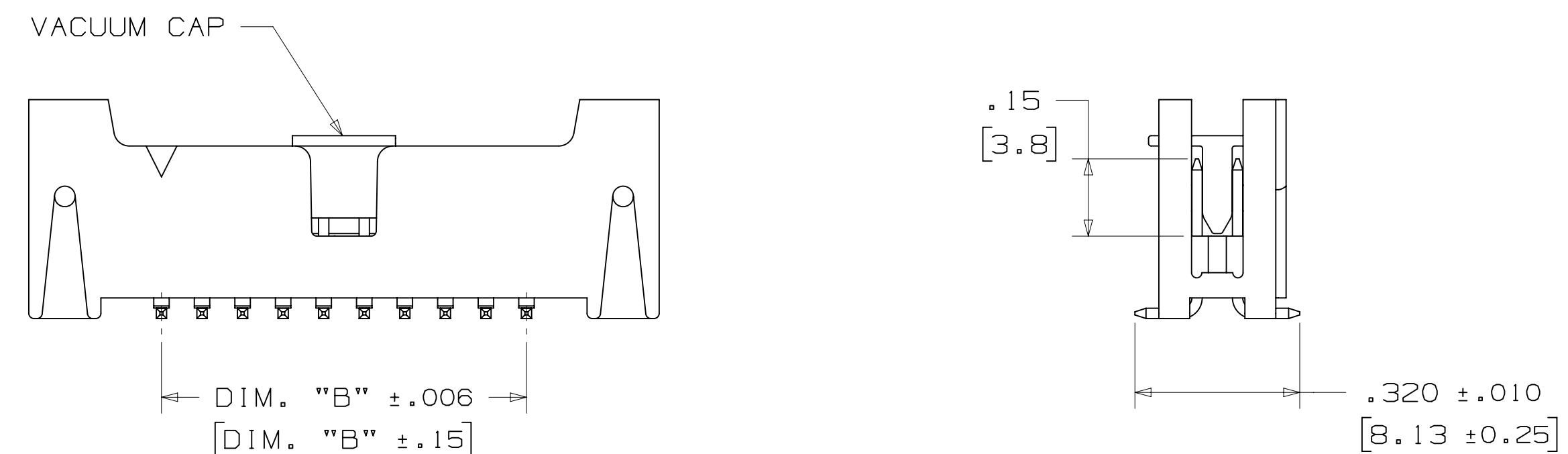
- PLATING OPTIONS:
RB = 30 μ IN [.76 μ m] GOLD
RA = 10 μ IN [.25 μ m] GOLD
(RIA E1 & C1 APPLY) FOR
BOTH PLATINGS

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

SURFACE MOUNT VERSION

NOTES:

- 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: _____

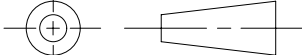
2 = LATCH, MOLDED-ON SOCKET WITH
LATCHING EARS, SERIES: 870, 2MM

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		DRAFT	CHKD
ADDRESS CODES				PART CASTIGLIONE		DATE JAN 21, 2015		MFG DATE	
				CHKD		DATE		APPROV. R. SCHERER	DATE JAN 21, 2015
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		TOLERANCES EXCEPT AS NOTED		INCHES		TITLE			
THIRD ANGLE PROJECTION				.00 ± .00 ±.01 .000 ±.008 .0000 ±		LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT			
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		.0 ± .00 ±.3 .00 ±.20 .000 ±		CAGE NUMBER		REV.	
~~MAX SURFACE ROUGHNESS~~ ~~ALL SURFACES~~ ~~UNLESS OTHERWISE SPECIFIED~~ ~~MARKED ONLY~~		~~ANGLE~~		SIZE D		DRAWING NO. 578-5100-2199-7		L	
		MODEL		1552		DET. SHTS		YES ☒ NO ☐	
								SHT 3 OF 4	

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

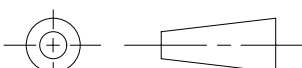
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L		58601		AUG 11, 2016		JNC		RS					
				8-11-16 ADD SHT 4									
				REVISE TRADEMAKE NOTE									
				JUN 01, 2016									
				PRODUCTION RELEASE,									
				APR 29, 2016									
DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ADDRESS CODES				REF. CAST 1GL1ONE		DATE JUN 21, 2015		MFG		DATE			
				CHKD		DATE		APPRVL. R. SCHERER		DATE JAN 21, 2015			
DIVISION		DIVISION CODE		EMSD									
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		THIRD ANGLE PROJECTION		INCHES .00 ± .01 .000 ± .008 .0000 ±		TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT							
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		0 ± .0 ± .3 .00 ± .20 .000 ±		CAGE NUMBER SIZE DRAWING NO. 578-5100-2199-7		REV.		L			
~~MAX. SURFACE ROUGHNESS~~		~~MAX. SURFACES~~		~~ANGLES~~		MODEL 1552		DET. LISTS YES ☐ NO ☐		SHT 4 OF 4			
✓ ☐ MARKED ONLY													



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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

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