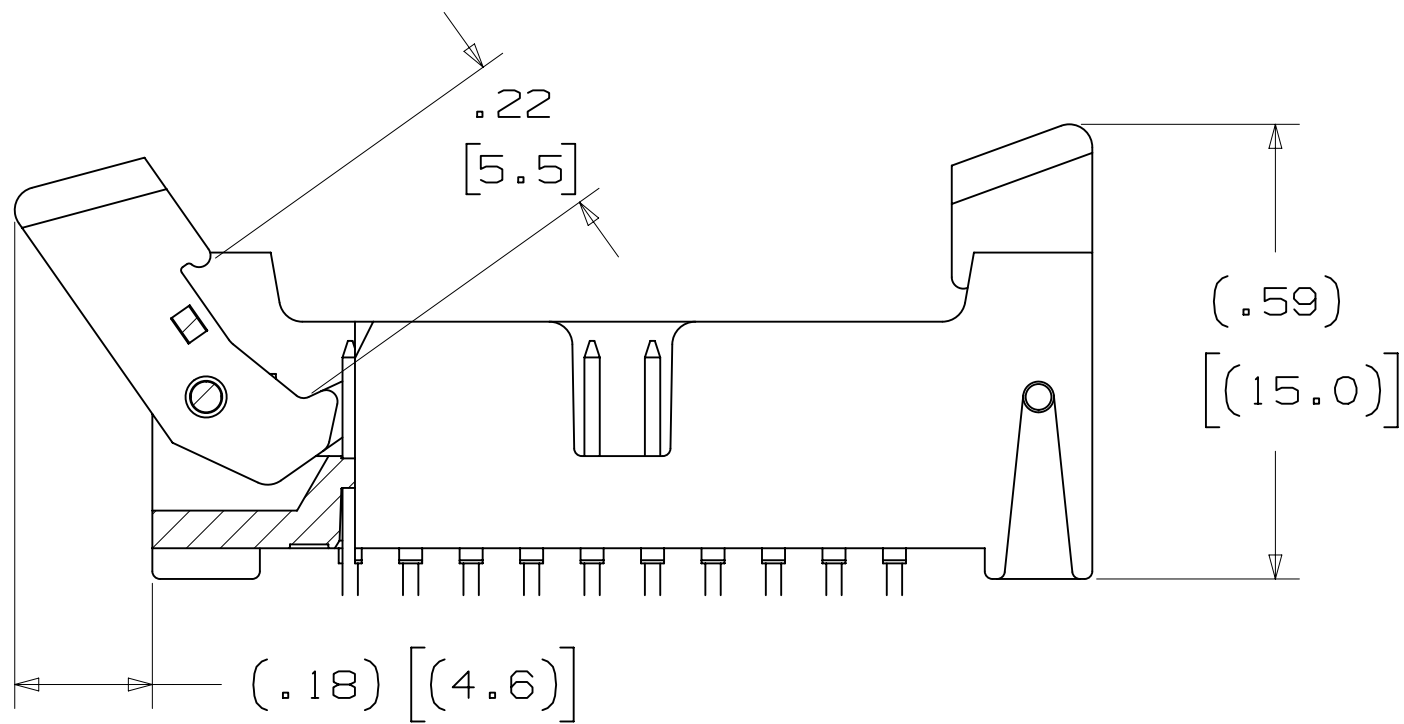
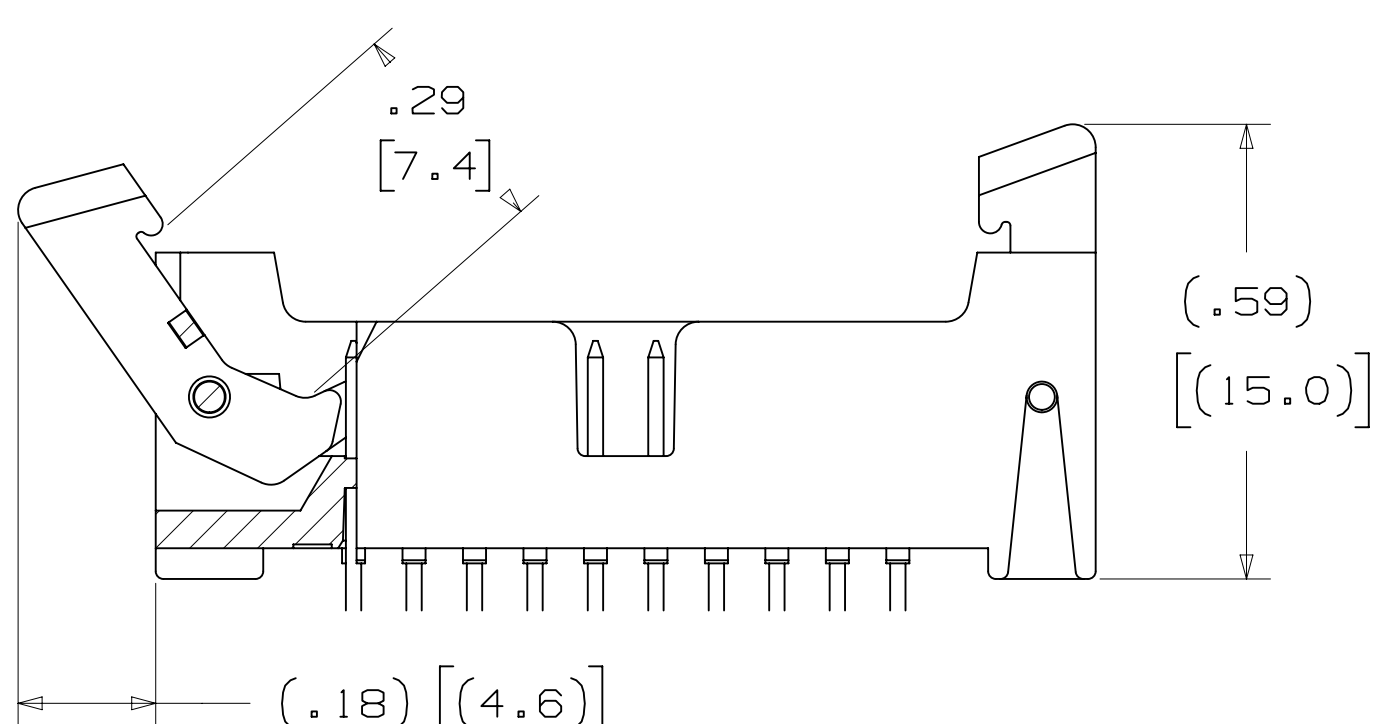


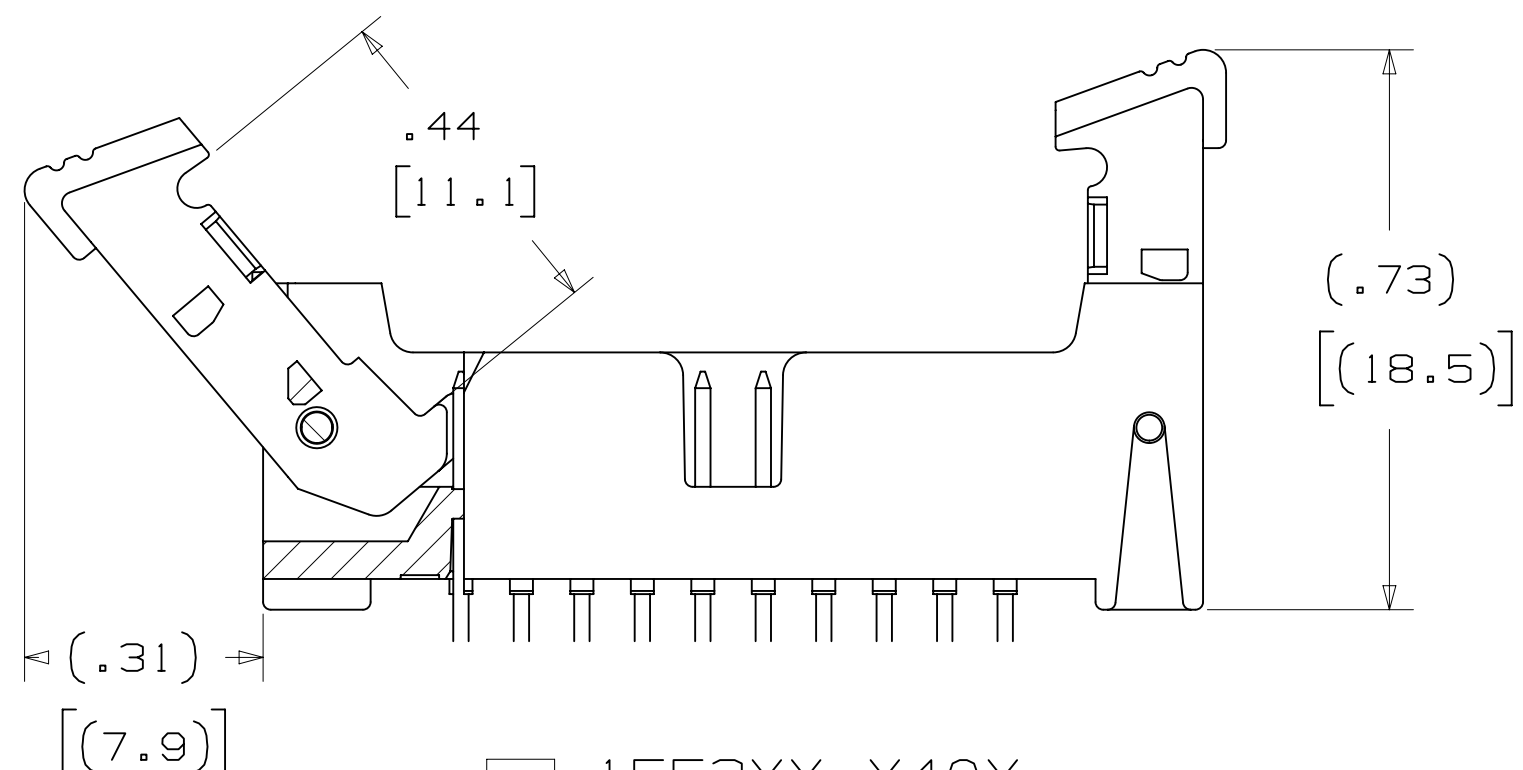
3M™ LATCH/EJECT HEADER, 1552 SERIES  
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT



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.

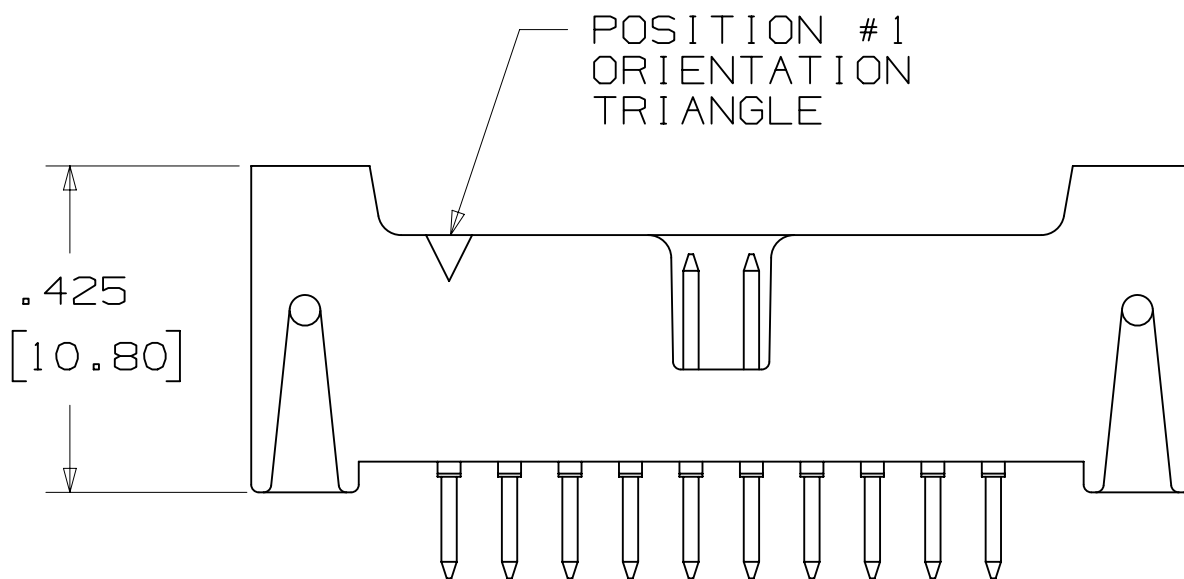
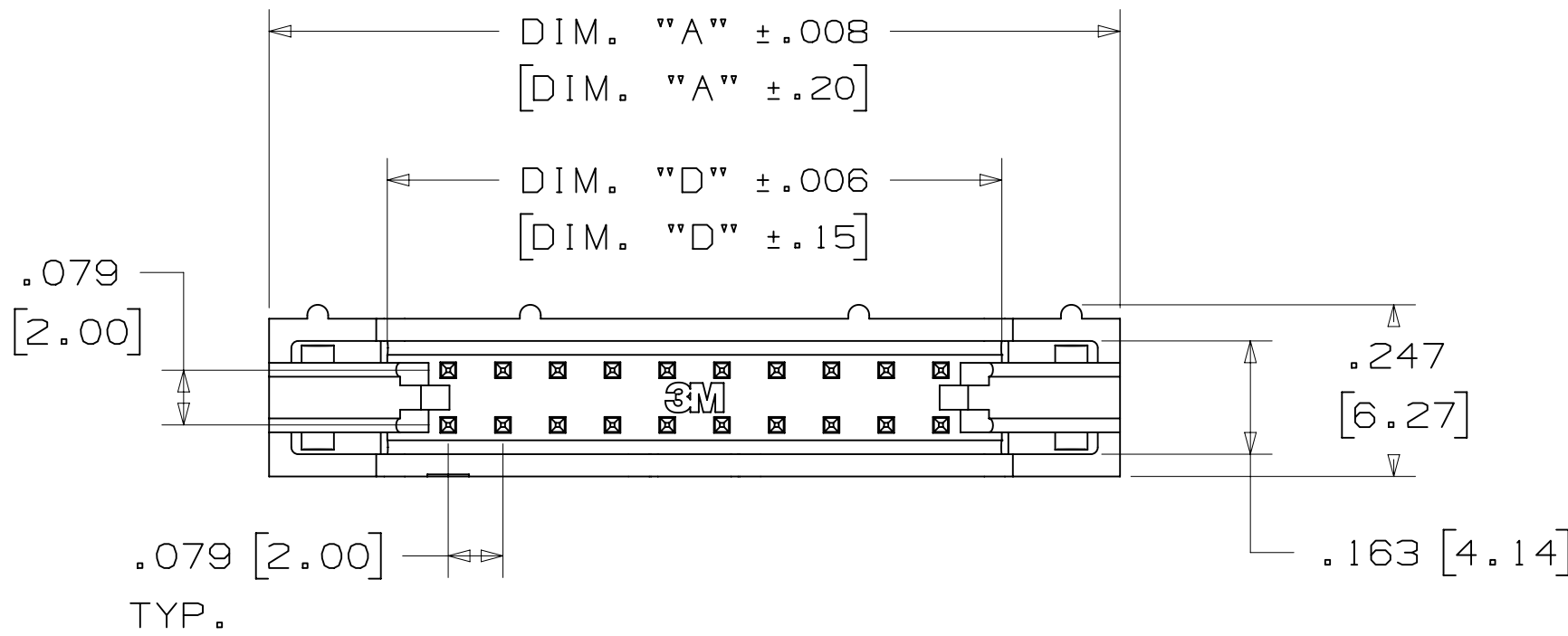
INSULATION RESISTANCE: > 1X10<sup>9</sup> OHMS AT 500 V<sub>DC</sub>  
WITHSTANDING VOLTAGE (1552XX): 1000 V<sub>RMS</sub> AT SEA LEVEL  
WITHSTANDING VOLTAGE (G1552XX): 750 V<sub>RMS</sub> AT SEA LEVEL

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)

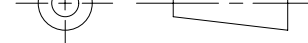
7

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

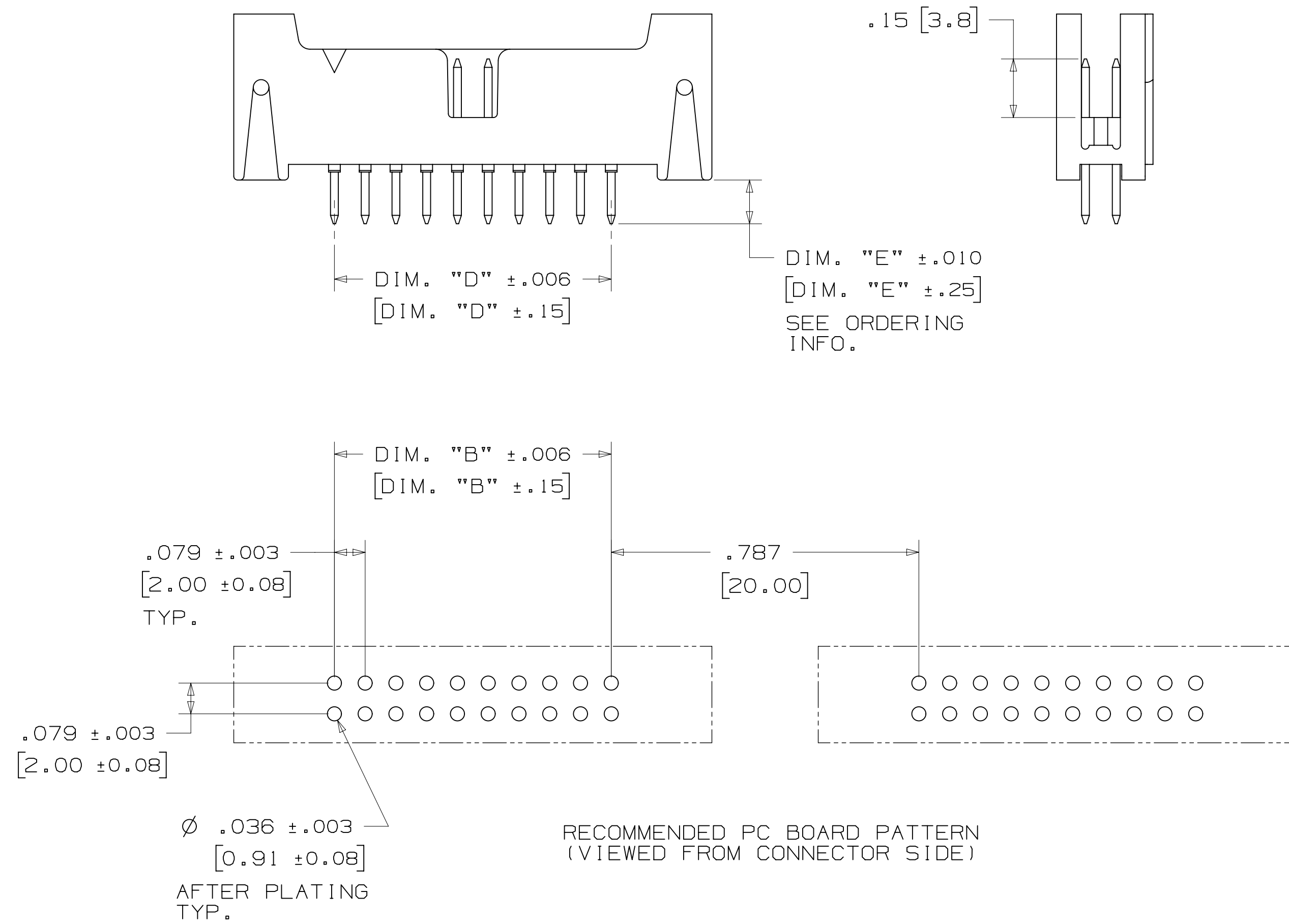


TYPICAL CONNECTOR DIMENSIONS  
FOR THE HEADERS ON THIS DRAWING  
(EXCEPT AS NOTED)

DIMENSIONS: MM [ INCHES ]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
<del>ACCESS CODES</del>		<del></del>		<del></del>	<del></del>	DRFT	CASTIGLIONE	DATE	JAN 21, 2015
<del></del>		<del></del>		<del></del>	<del></del>	CHKD		DATE	
<del></del>		<del></del>		<del></del>	<del></del>	APPV	R. SCHERER	DATE	JAN 21, 2015
<del></del>		<del></del>		<del></del>	<del></del>				
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2017					
		EMSD		3M Center		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.			
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		3M St. Paul, MN 55144			
		INCHES .00 ± .01 .000 ± .009 .0000 ± .0001		MILLIMETERS 0 ± .3 .00 ± .20 .000 ± .0005		TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT			
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS ✓ 0.4μm ONLY □ MARKED ONLY		CAGE NUMBER D 78-5100-2199-7			
						REV. L			
						MODEL 1552			
						DET. LISTS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO SHT 1 OF 4			

## 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

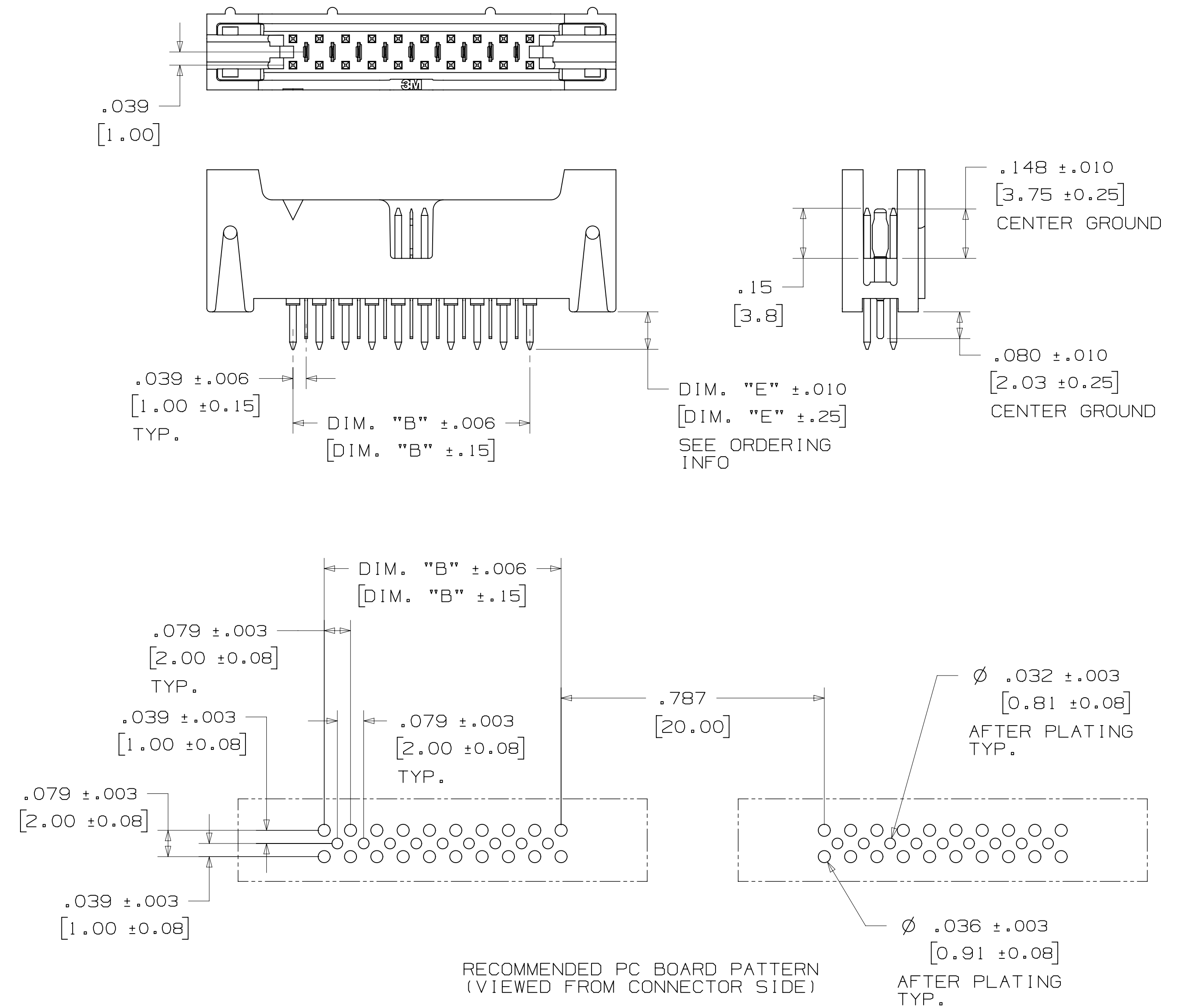
- PLATING OPTIONS:

RA = 30 $\mu$ IN [ .76 $\mu$ m ] GOLD  
RA = 10 $\mu$ IN [ .25 $\mu$ m ] 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

G 1552XX-6X0X-XX

CONTACT QUANTITY:

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

## PLATING OPTIONS:

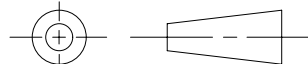

RB = 30 $\mu$ IN [ .76 $\mu$ m ] GOLD  
RA = 10 $\mu$ IN [ .25 $\mu$ m ] GOLD  
(RIA E1 & C1 APPLY) FOR  
BOTH PLATINGS

— SOLDER TAIL LENGTH:

```

DIMENSION "E"
2 = .112 [ 2.84 ]

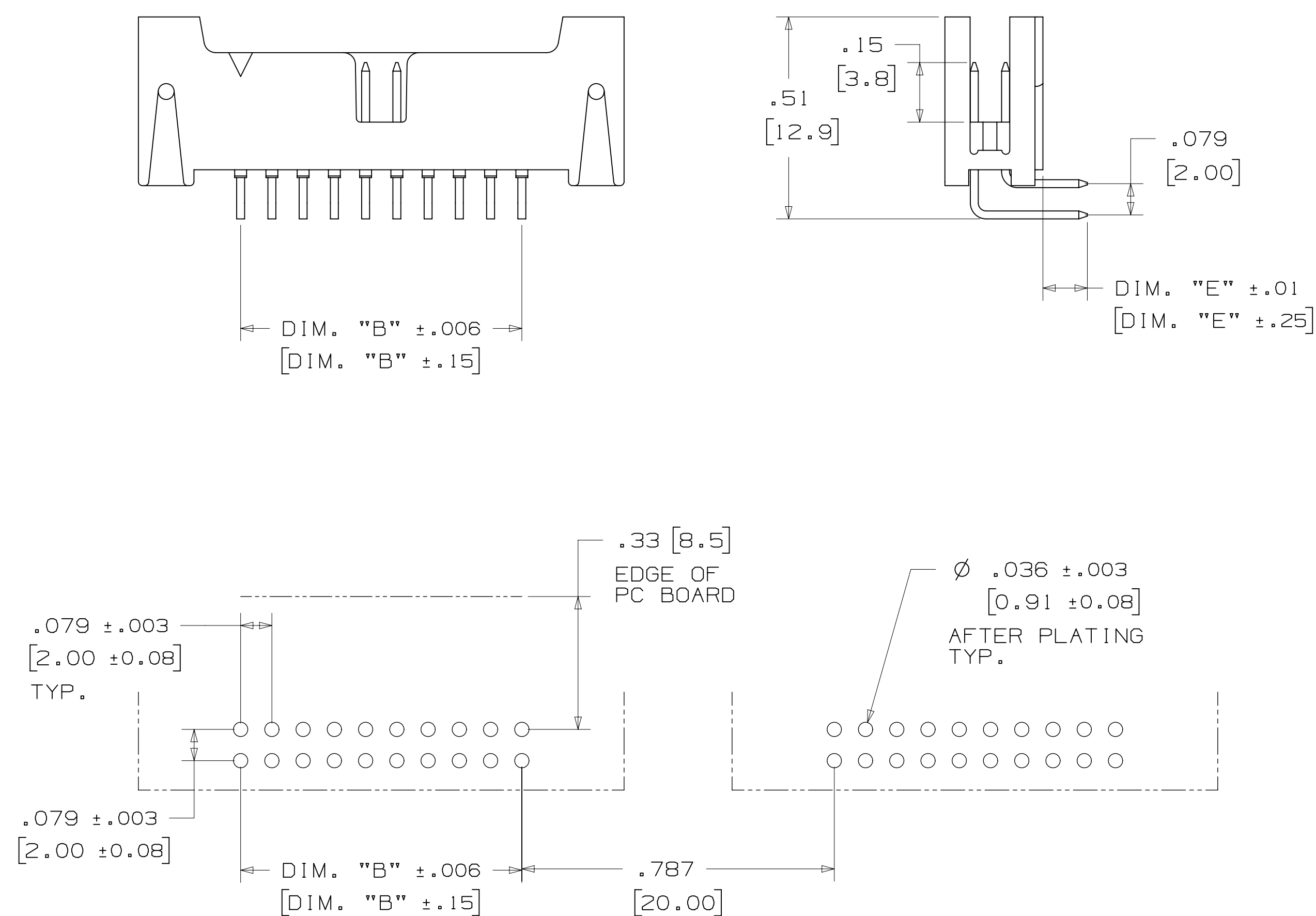
```

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCORD CODES				SMT CAST1G1LIONE		DATE	JAN 21,2015	MFG	DATE
				CHKD		DATE		APPRV. R. SCHERER	DATE JAN 21,2015
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2017					
<div>DO NOT SCALE DRAWING</div> <div></div>		EMSD		 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.			
		TOLERANCES EXCEPT AS NOTED							
SCALE 4 1		INCHES		TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT					
THIRD ANGLE PROJECTION		MILLIMETERS							
INTERPRET PER ASME Y14.5 - 2009		.00 ± .00 ± .01 .000 ± .008 .0000 ±		CAGE NUMBER D 78-5100-2199-7					
<div><del>MAX. SURFACE ROUGHNESS</del></div> <div><input checked="" type="checkbox"/> MAX. SURFACES</div> <div><input checked="" type="checkbox"/> MARKED ONLY</div>		.0 ± .3 .00 ± .20 .000 ±							
		ANGLE		MODEL 1552 DET. <input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> 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



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

- SOLDER TAIL LENGTH:

```

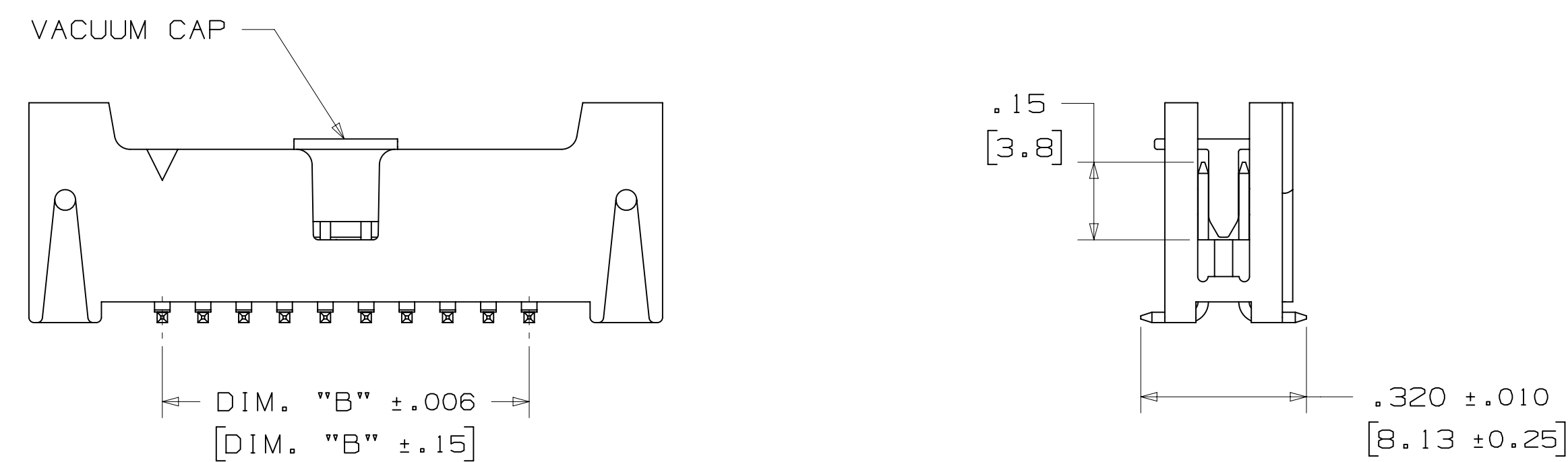
DIMENSION "E"
2 = .112 [ 2.84 ]
3 = .155 [ 3.94 ]

```

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.



## 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:

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

PLATING OPTIONS:

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

DESIGN REFERENCE			NEXT ASSEMBLY			REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
<div> <div>ADDRESS</div> <div>CODES</div> </div>						<div> <div>DATE</div> <div>JAN 21, 2015</div> </div>		<div> <div>DATE</div> <div>JAN 21, 2015</div> </div>			
<div> <div>DIVISION</div> <div></div> </div>			<div> <div>DIVISION CODE</div> <div>EMSD</div> </div>			<div> <div>CHKD</div> <div></div> </div>		<div> <div>DATE</div> <div></div> </div>		<div> <div>APPRV.</div> <div>R. SCHERER</div> </div>	
<div> <div>DO NOT SCALE DRAWING</div> <div> <div>SCALE</div> <div>1</div> </div> </div>			<div> <div>TOLERANCES EXCEPT AS NOTED</div> <div>INCHES</div> <div> <div>0.0</div> <div>±</div> <div>0.01</div> <div>0.000</div> <div>±</div> <div>0.008</div> <div>0.000</div> <div>±</div> <div>0.000</div> </div> </div>			<div> <div>© 3M COPYRIGHT 2017</div> <div> <div>3M Center</div> <div>St. Paul,</div> <div>MN 55144</div> </div> <div> <div>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.</div> </div> </div>					
<div> <div>THIRD ANGLE PROJECTION</div> <div> <div>INTERPRET PER ASME Y14.5 - 2009</div> <div> <div>MAX SURFACE ROUGHNESS</div> <div> <div>✓</div> <div>□</div> <div>MAX SURFACES</div> <div>□</div> <div>CHAMF ONLY</div> </div> </div> </div> </div>			<div> <div>MILLIMETERS</div> <div> <div>0</div> <div>±</div> <div>0.3</div> <div>0.00</div> <div>±</div> <div>0.20</div> <div>0.000</div> <div>±</div> <div>0.000</div> </div> </div>			<div> <div>TITLE</div> <div>LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE &amp; SMT</div> </div>					
<div> <div>CAGE NUMBER</div> <div>D</div> </div>			<div> <div>SIZE</div> <div>5100-2199-7</div> </div>			<div> <div>DRAWING NO.</div> <div>5100-2199-7</div> </div>			<div> <div>REV.</div> <div>L</div> </div>		
<div> <div>MODEL</div> <div>1552</div> </div>			<div> <div>DET.</div> <div>ISTS</div> </div>			<div> <div>YES</div> <div>NO</div> </div>			<div> <div>SHT</div> <div>3</div> <div>OF</div> <div>4</div> </div>		

8

7

6

5

4

3

2

1

3M™ LATCH/EJECT HEADER, 1552 SERIES

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

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer: Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 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 OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

Unless otherwise noted, references to industry specifications are intended to indicate substantial compliance to the material elements of the specification. Such references should not be construed as a guarantee of compliance to all requirements in a given specification.

DESIGN REFERENCE

NEXT ASSEMBLY

REV

ECO

ISSUE DATE AND DESCRIPTION

DRFT

CHKD

8-11-16 ADD SHT 4

REVISE TRADEMAKE NOTE

JUN 01,2016

PRODUCTION RELEASE,

APR 29,2016

L

58601

AUG 11,2016

JNC

RS

DO NOT SCALE DRAWING

SCALE 1 1

TOLERANCES EXCEPT AS NOTED

THIRD ANGLE PROJECTION

INTERPRET PER ASME Y14.5 - 2009

MAX SURFACE ROUGHNESS

MARKED SURFACES

MARKED ONLY

INCHES

.0

.00

.000

.0000

INCHES

0

.0

.00

.000

MILLIMETERS

0

.0

.00

.000

ANGLES

3M

3M Center St. Paul, MN 55144

© 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.

TITLE

LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT

CAGE NUMBER

SIZE

DRAWING NO.

REV.

MODEL

1552

DET

LISTS

YES

NO

SHT 4 OF 4

78-5100-2199-7

DRAWING NUMBER

1

2

3

4

5

6

7

8

Imaged: L.6 Central Standard Time5/17/2017UTC Off:set