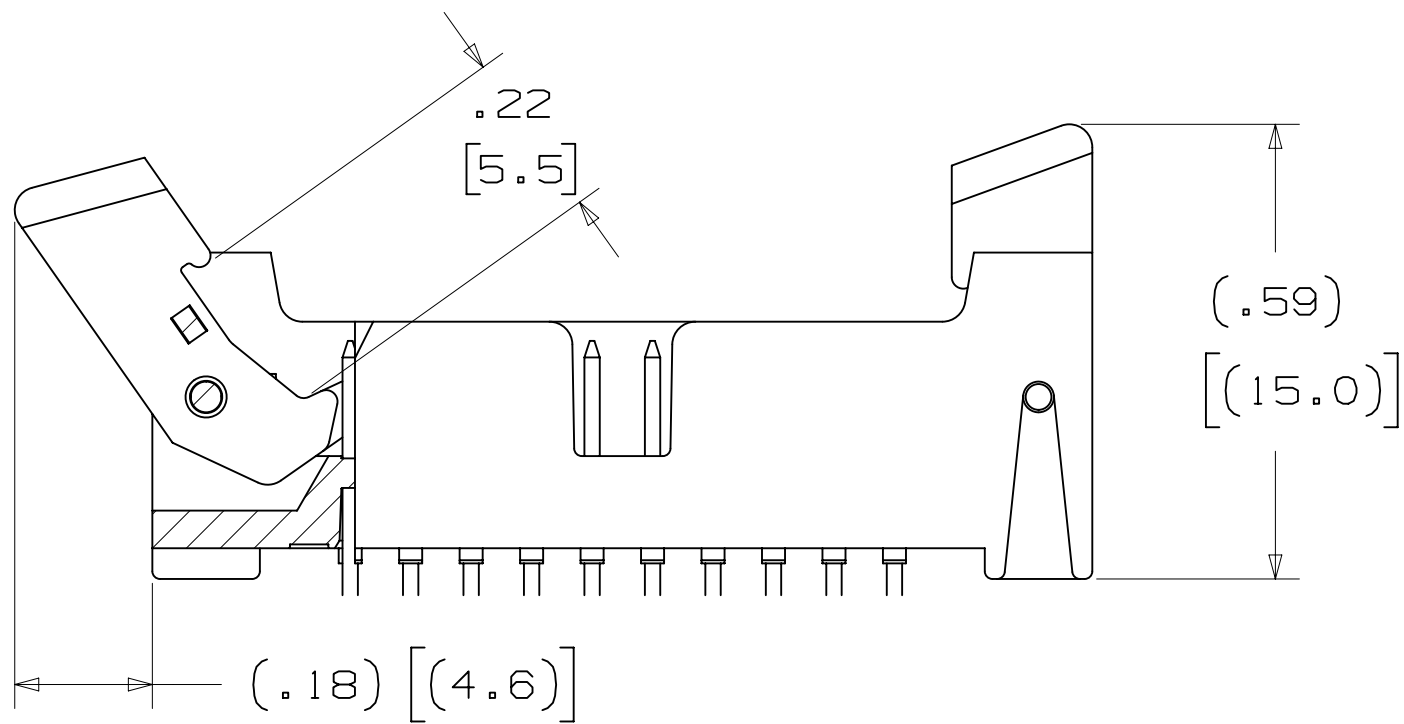
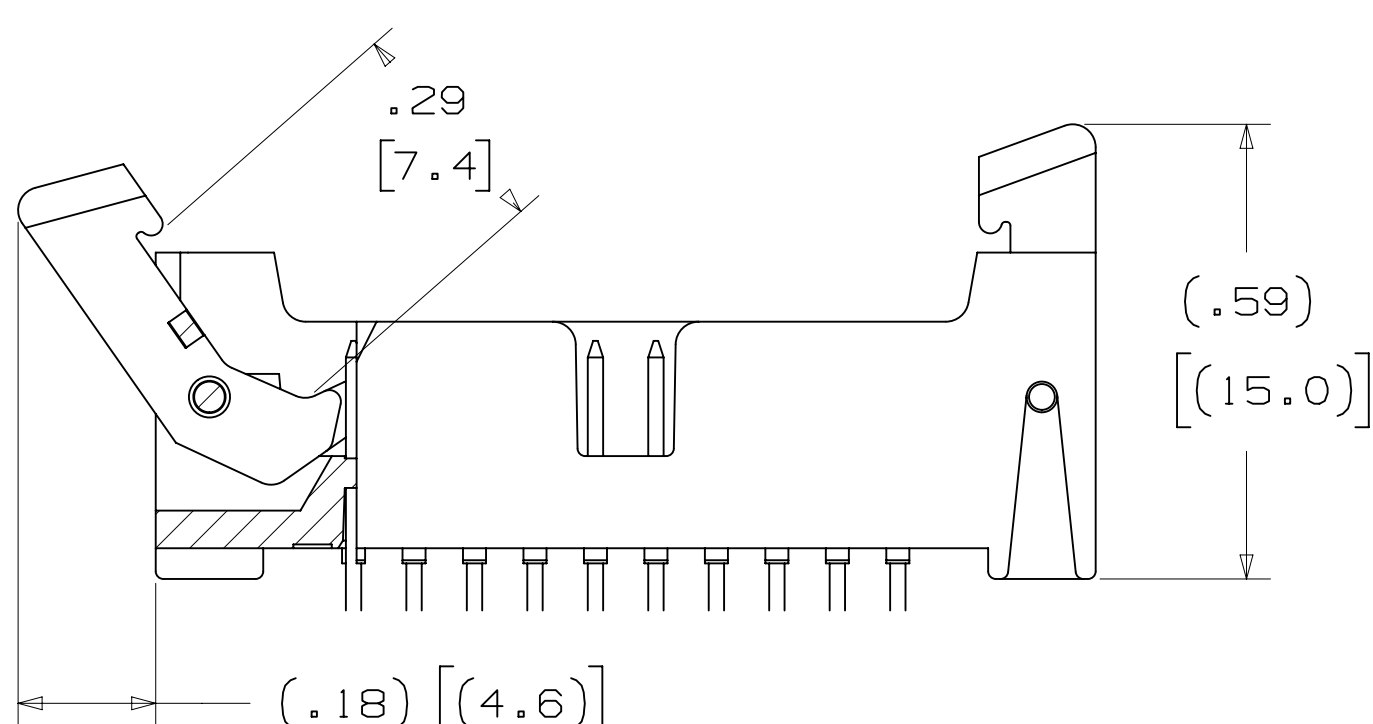


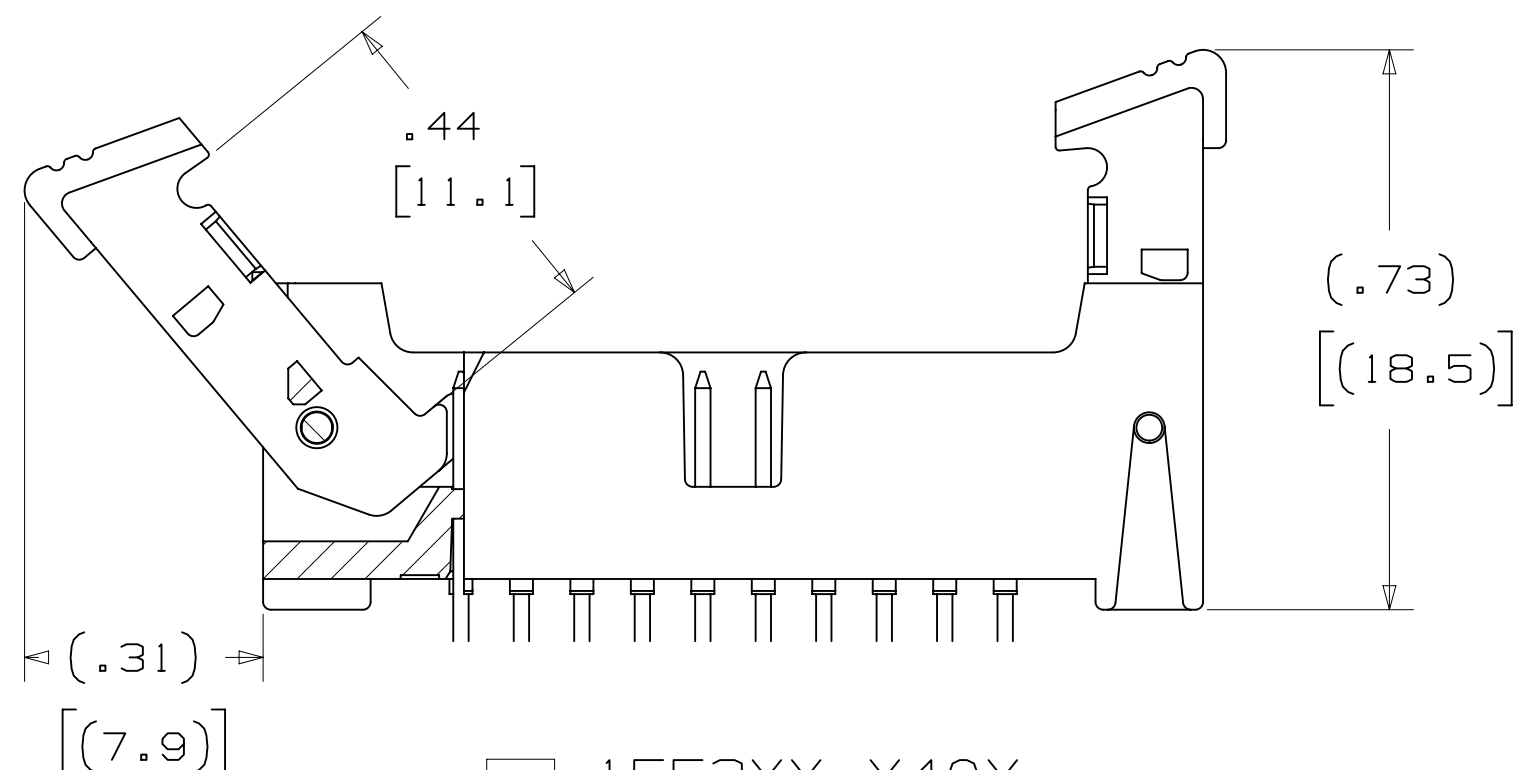
3M™ LATCH/EJECT HEADER, 1552 SERIES
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT



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.

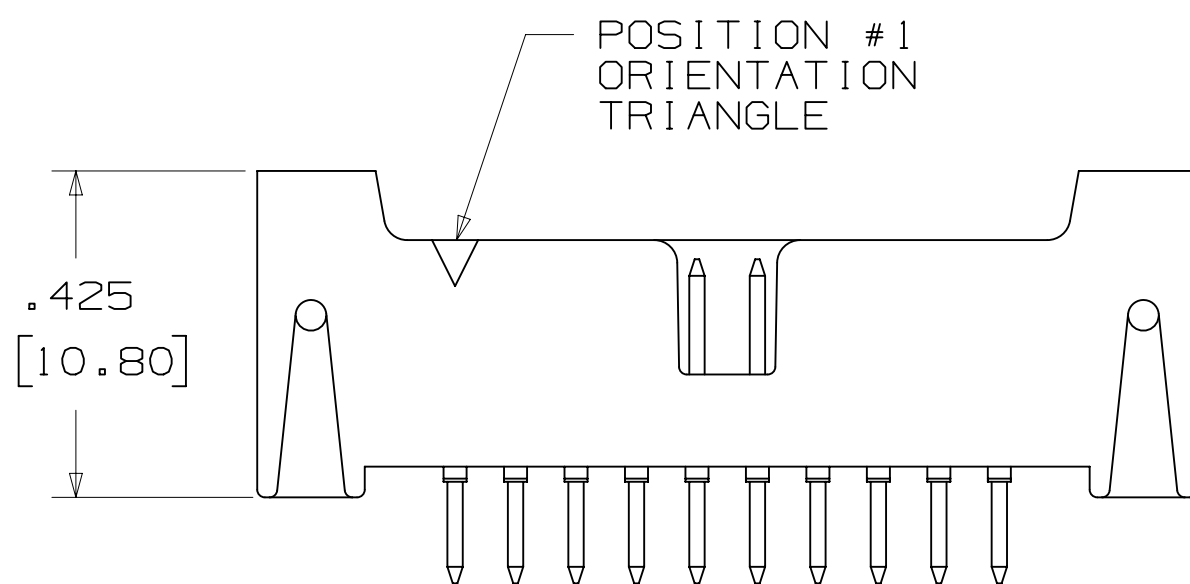
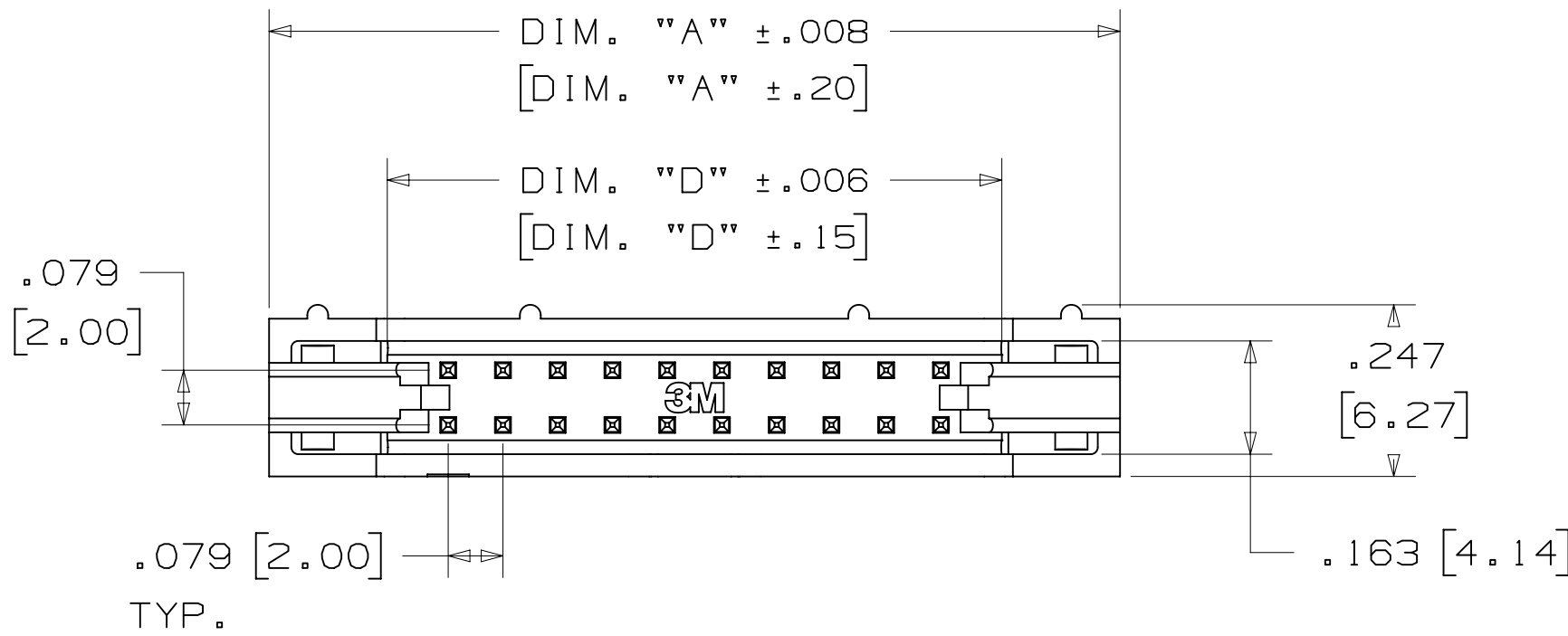
INSULATION RESISTANCE: > 1X10⁹ OHMS AT 500 V_{DC}
WITHSTANDING VOLTAGE (1552XX): 1000 V_{RMS} AT SEA LEVEL
WITHSTANDING VOLTAGE (G1552XX): 750 V_{RMS} AT SEA LEVEL

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)

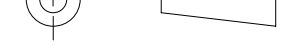
7

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



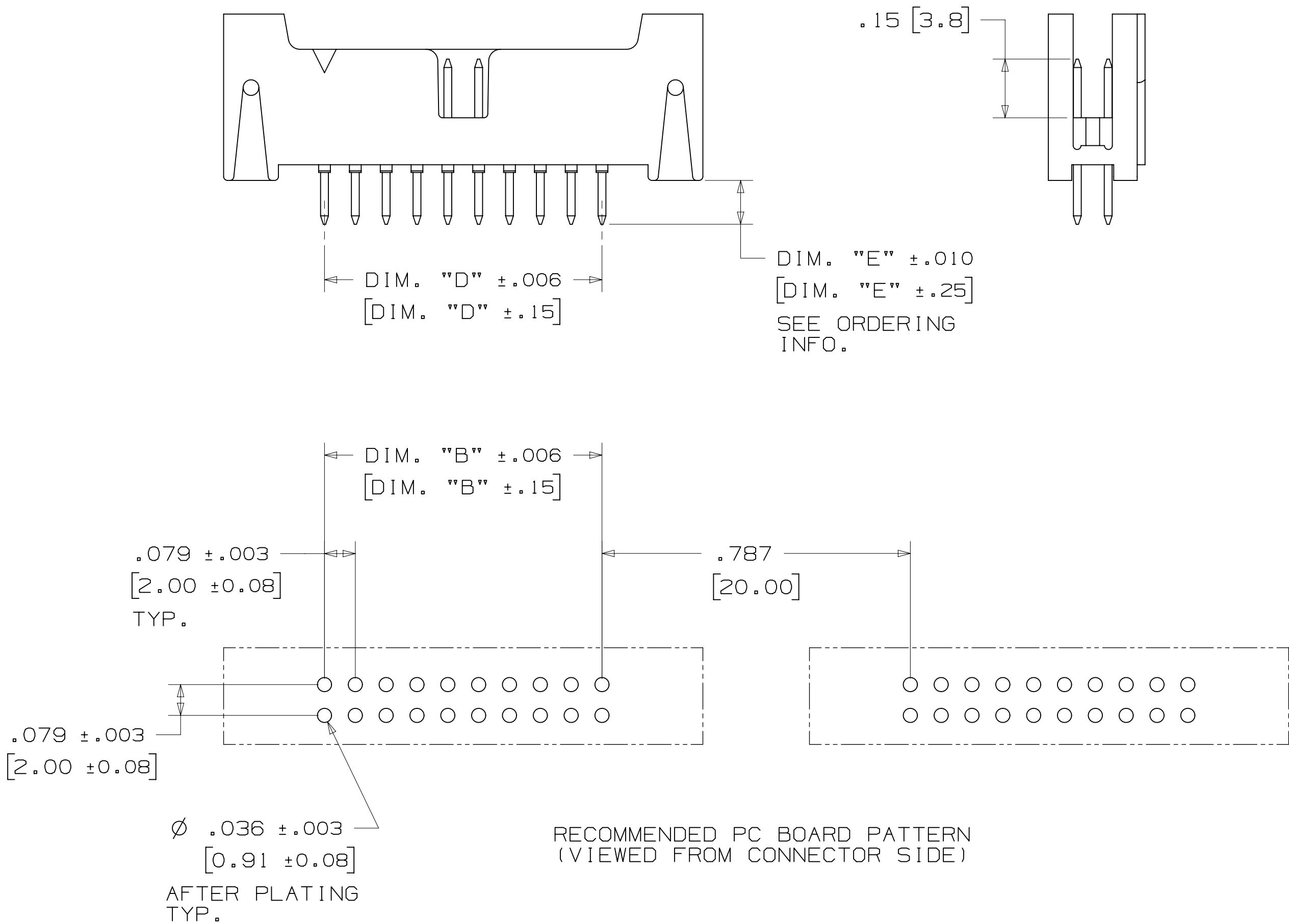
TYPICAL CONNECTOR DIMENSIONS
FOR THE HEADERS ON THIS DRAWING
(EXCEPT AS NOTED)

DIMENSIONS: MM [INCHES]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT	CASTIGLIONE	DATE	JAN 21, 2015	MFG	DATE
				CHKD		DATE		APPR	DATE
								R. SCHERER	JAN 21, 2015
DIVISION		DIVISION CODE		© 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.					
		EMSD							
DO NOT SCALE DRAWING		SCALE 4 1							
TOLERANCES EXCEPT AS NOTED				3M 3M Center St. Paul, MN 55144 TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT					
		INCHES							
THIRD ANGLE PROJECTION		.00 ± .01 ± .000 ± .0008 ± .0000 ±							
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS							
MAX. SURFACE ROUGHNESS		0 ± .2 ± .3 ± .00 ± .01 ± .02 ±							
DRAFT SURFACES		ANGLES ±							
MARKED ONLY				CAGE NUMBER		SIZE DRAWING NO.		REV.	
				D		78-5100-2199-7		L	
				MODEL		1552		DET. LIST. YES YES NO SHT 1 OF 4	

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

STRAIGHT VERSION



ORDERING INFORMATION
1552XX-6X0X-XX

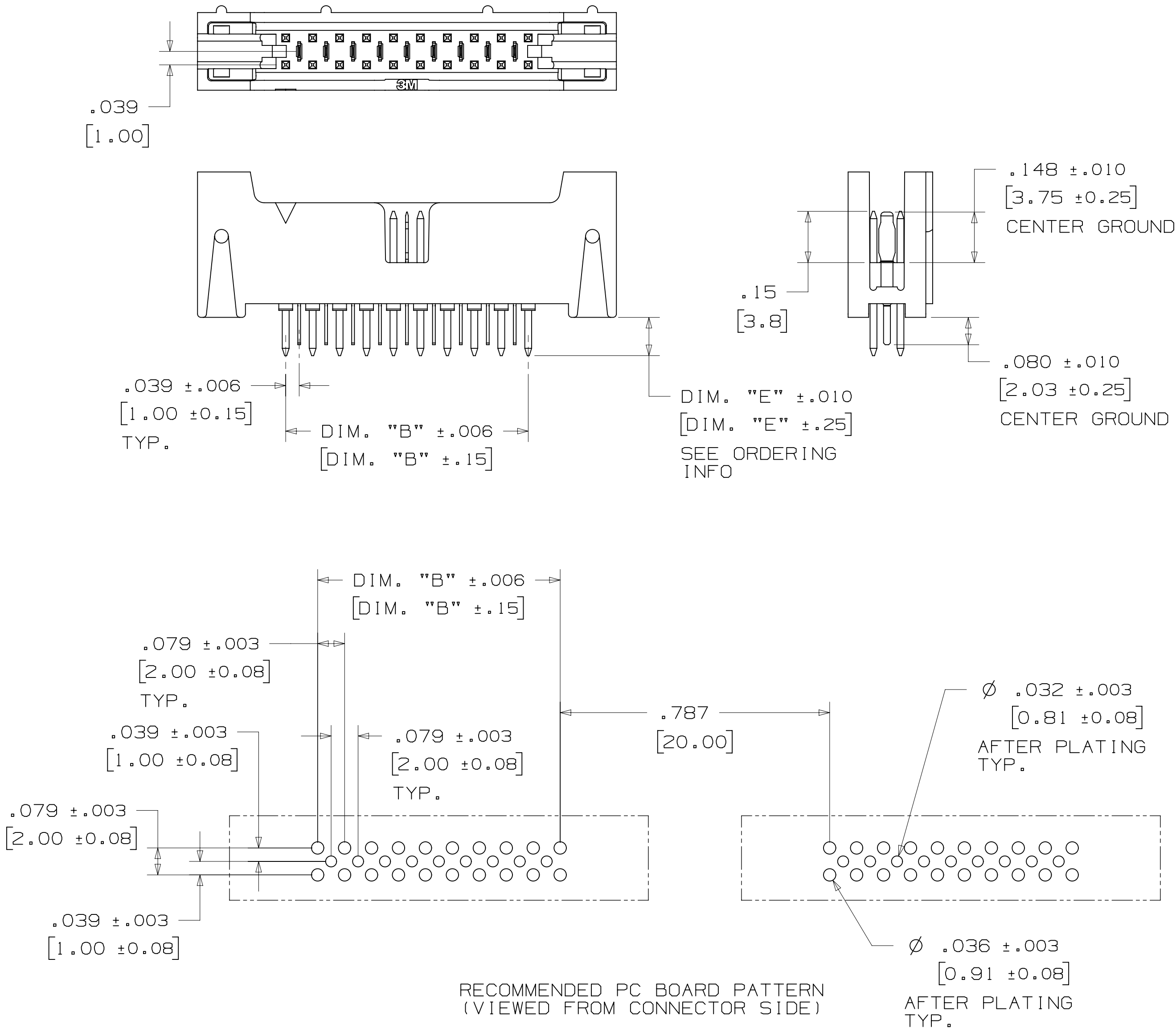
CONTACT QUANTITY: _____

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

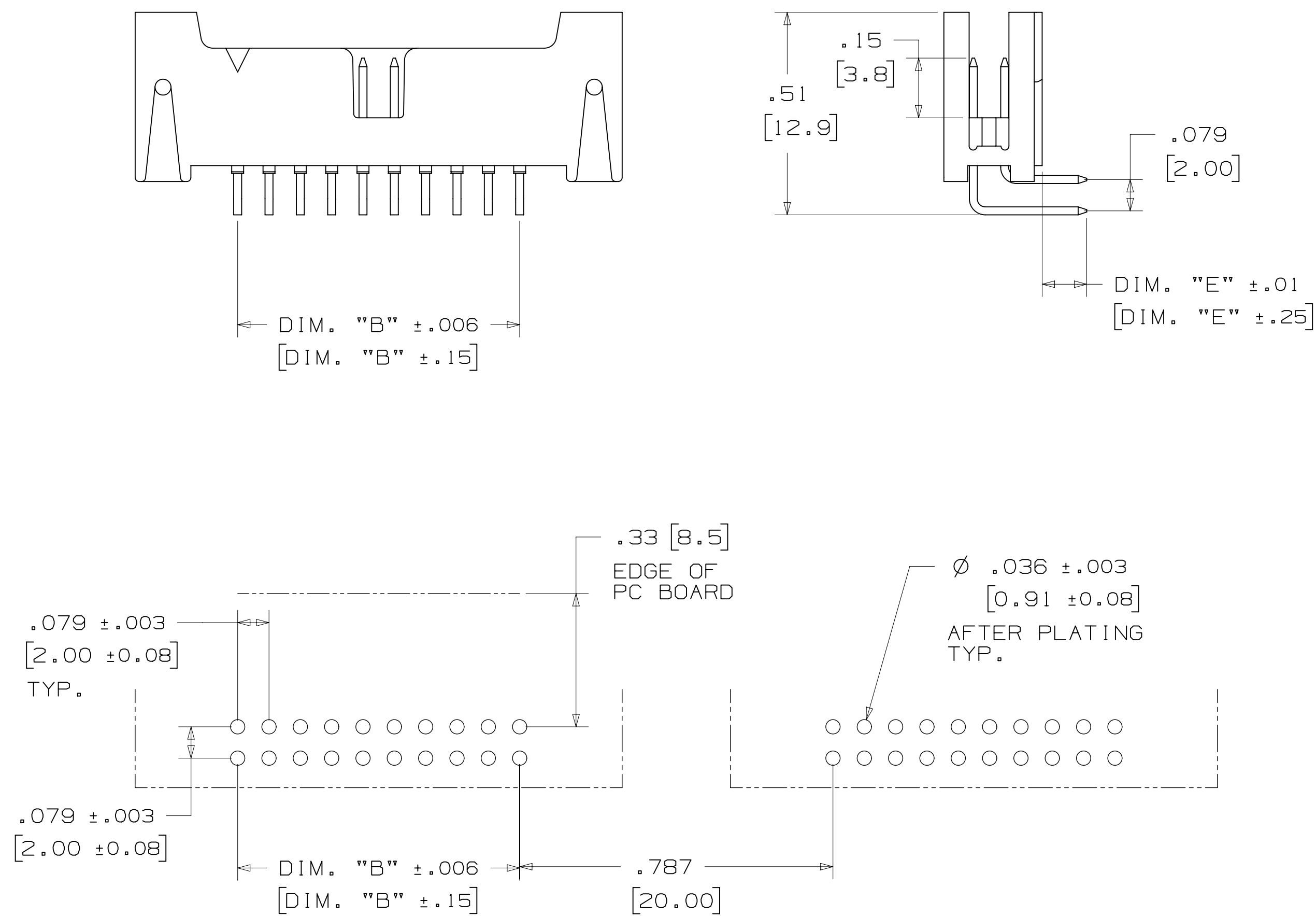
PLATING OPTIONS:
RB = 30µIN [.76µm] GOLD
RA = 10µIN [.25µm] GOLD
(RIA E1 & C1 APPLY) FOR
BOTH PLATINGS

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES		ACCESS CODES		DATE		DATE		DATE	
CASTIGLIONE		CASTIGLIONE		DATE		DATE		DATE	
CHKD		CHKD		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
APPROVAL		APPROVAL		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE	

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:

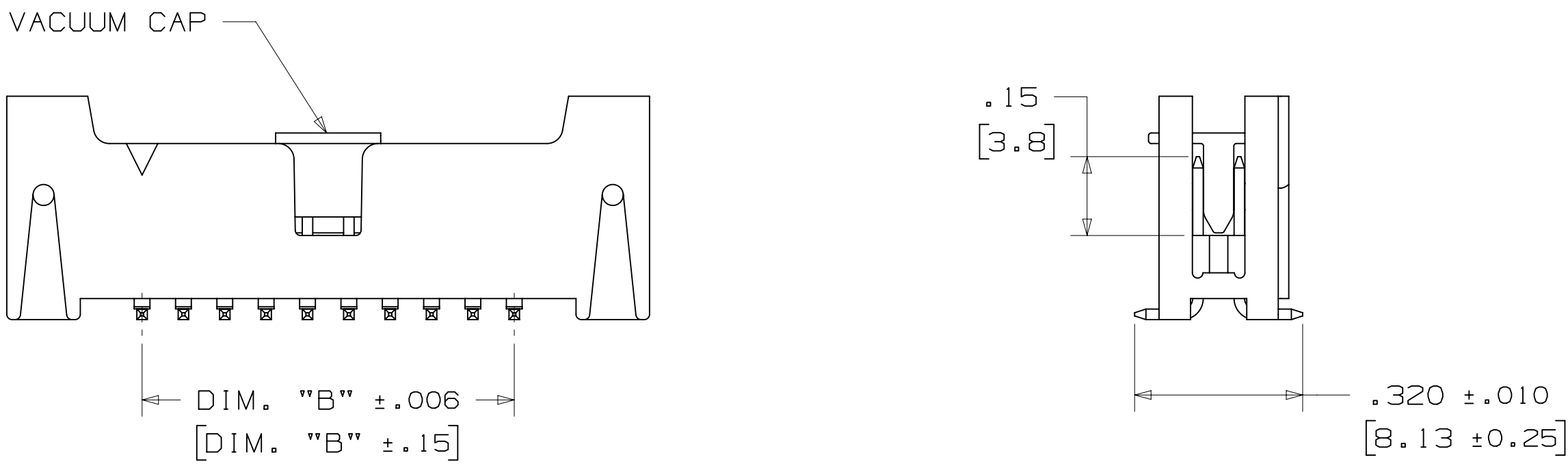
LATCHING OPTIONS:
2 = LATCH, MOLDED-ON SOCKET WITH
LATCHING EARS, SERIES: 870, 2MM
3 = LATCH, PRESS-ON SOCKET, SERIES: 1522
4 = LATCH, 2MM SCI CARRIER ONLY,
SERIES 93XX

PLATING OPTIONS:
RB = 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
3M Center St. Paul, MN 55144	3M Center St. Paul, MN 55144	1	1	1	1	1
DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED	INCHES .00 ±.01 .000 ±.0008 .0000 ±	MILLIMETERS 0 ± .3 .00 ±.20 .000 ±	MARKED ONLY	ANGLES
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MAX SURFACE ROUGHNESS	DEF SURFACES	MARKED ONLY	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.			
D	78-5100-2199-7	L				
MODEL	1552	DET	LISTS	YES	NO	SHT 3 OF 4

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

7

6

5

4

3

2

1

8

7

6

5

4

3

2

1

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

MILLIMETERS

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

REVISION

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

[155212-2200-RB](#)