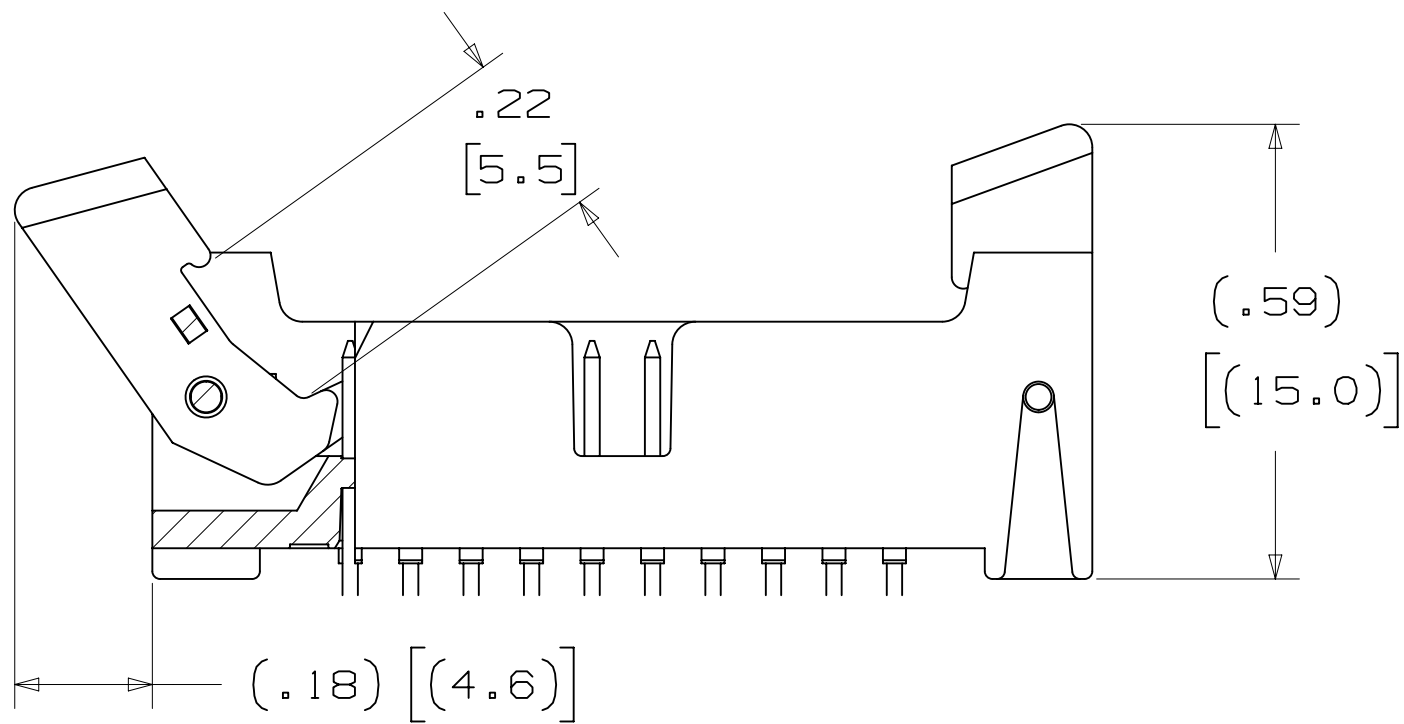
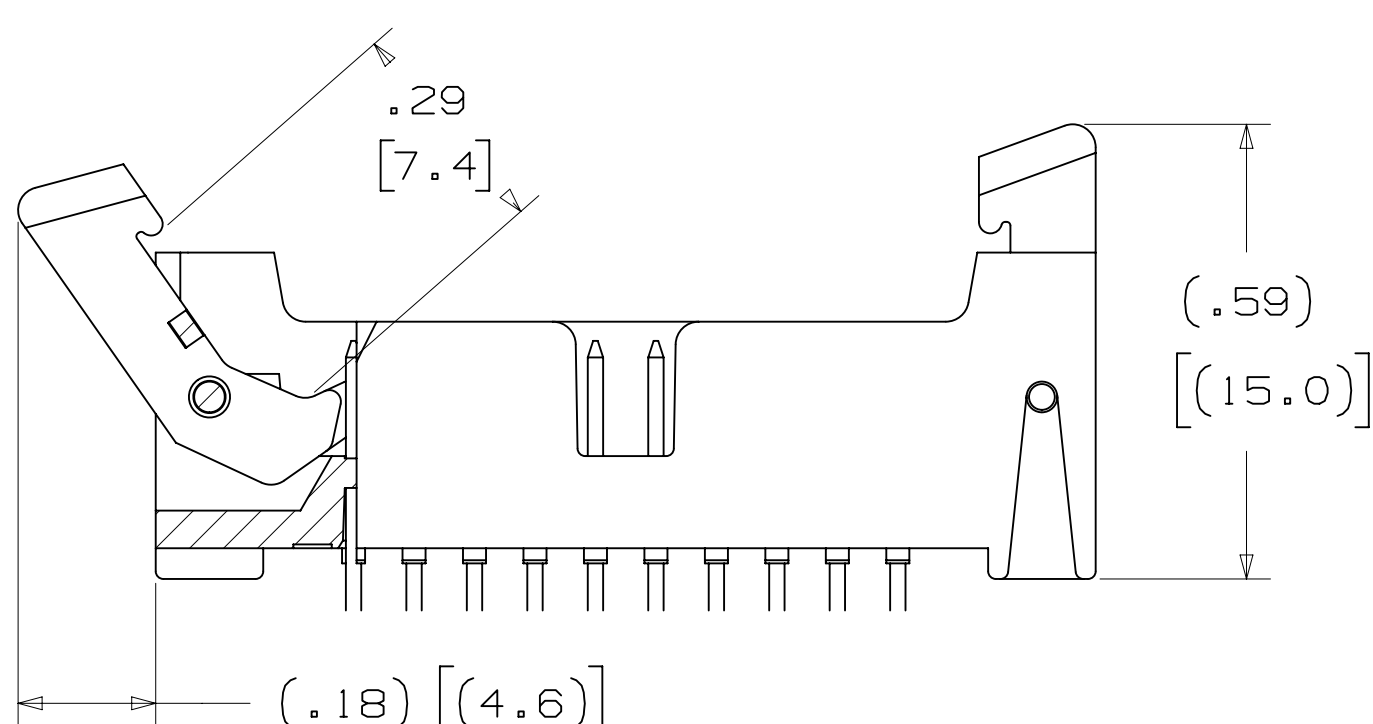


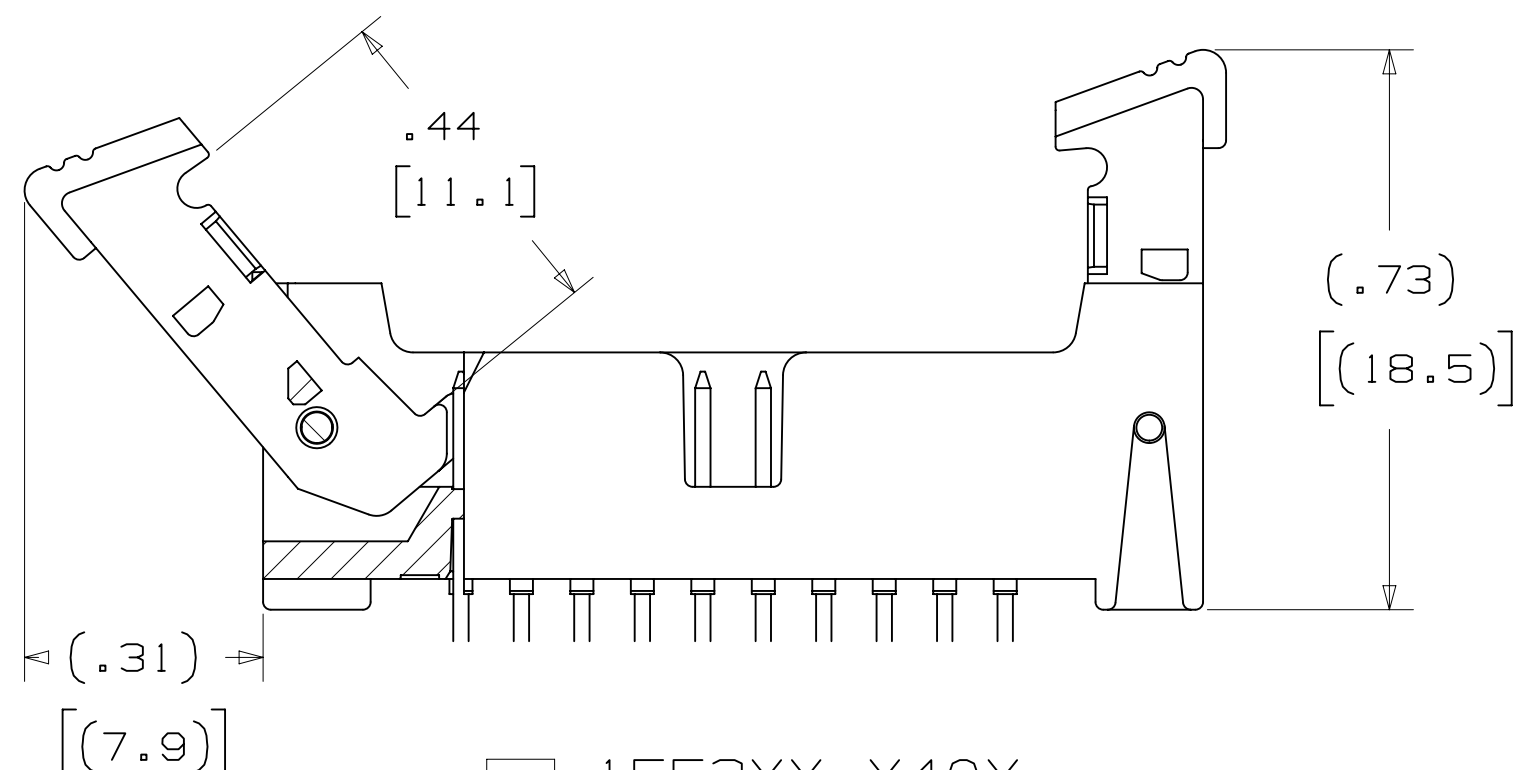
3M™ LATCH/EJECT HEADER, 1552 SERIES
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT



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.

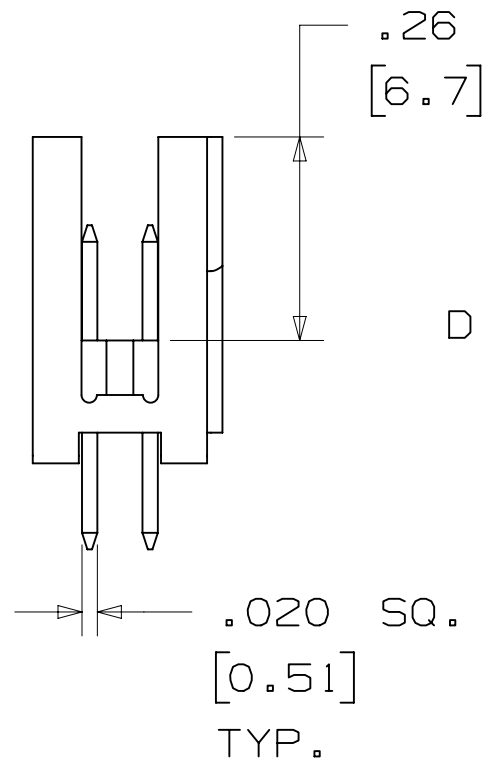
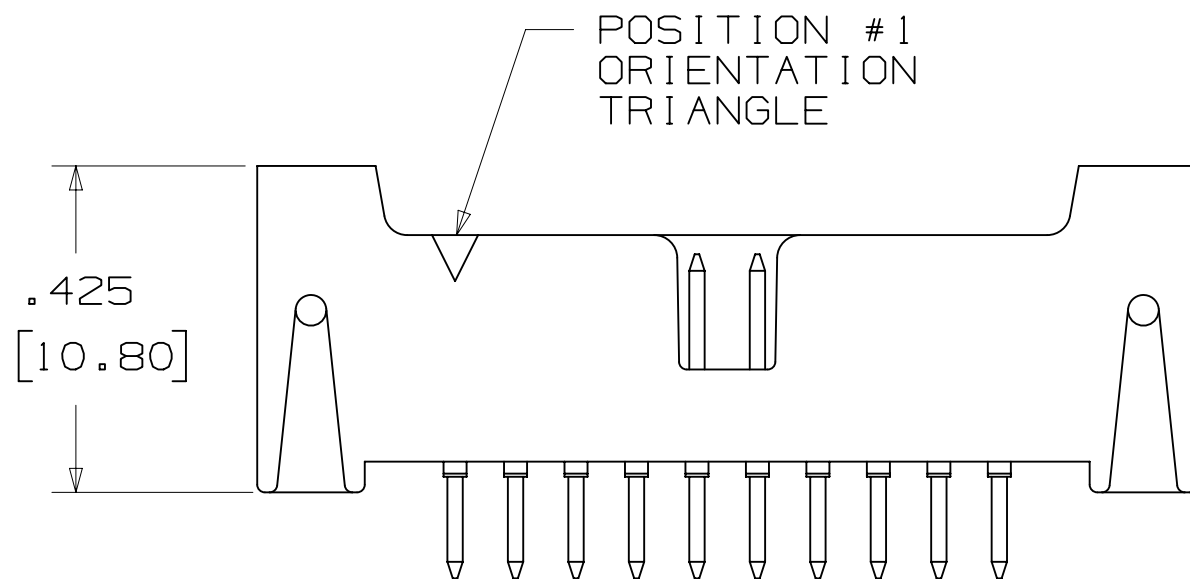
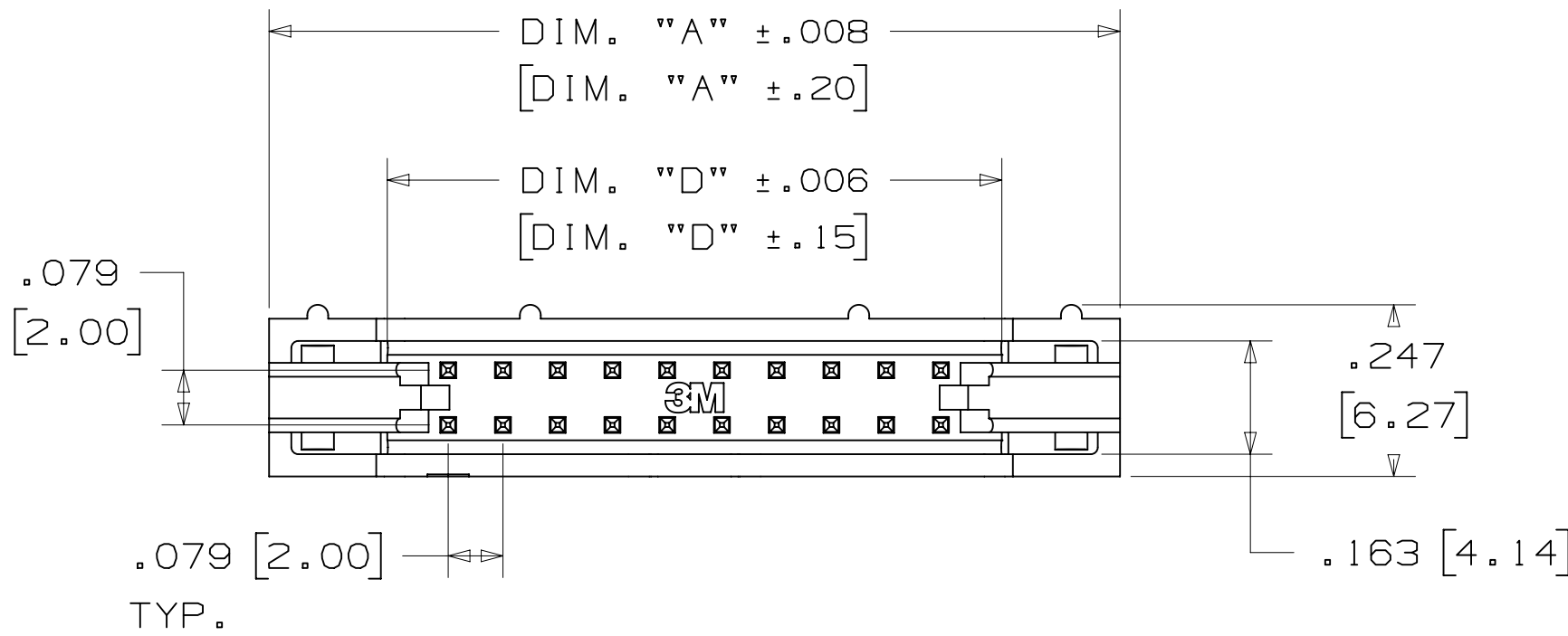
INSULATION RESISTANCE: > 1X10⁹ OHMS AT 500 V_{DC}
WITHSTANDING VOLTAGE (1552XX): 1000 V_{RMS} AT SEA LEVEL
WITHSTANDING VOLTAGE (G1552XX): 750 V_{RMS} AT SEA LEVEL

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)

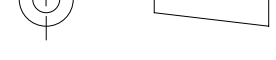
7

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]

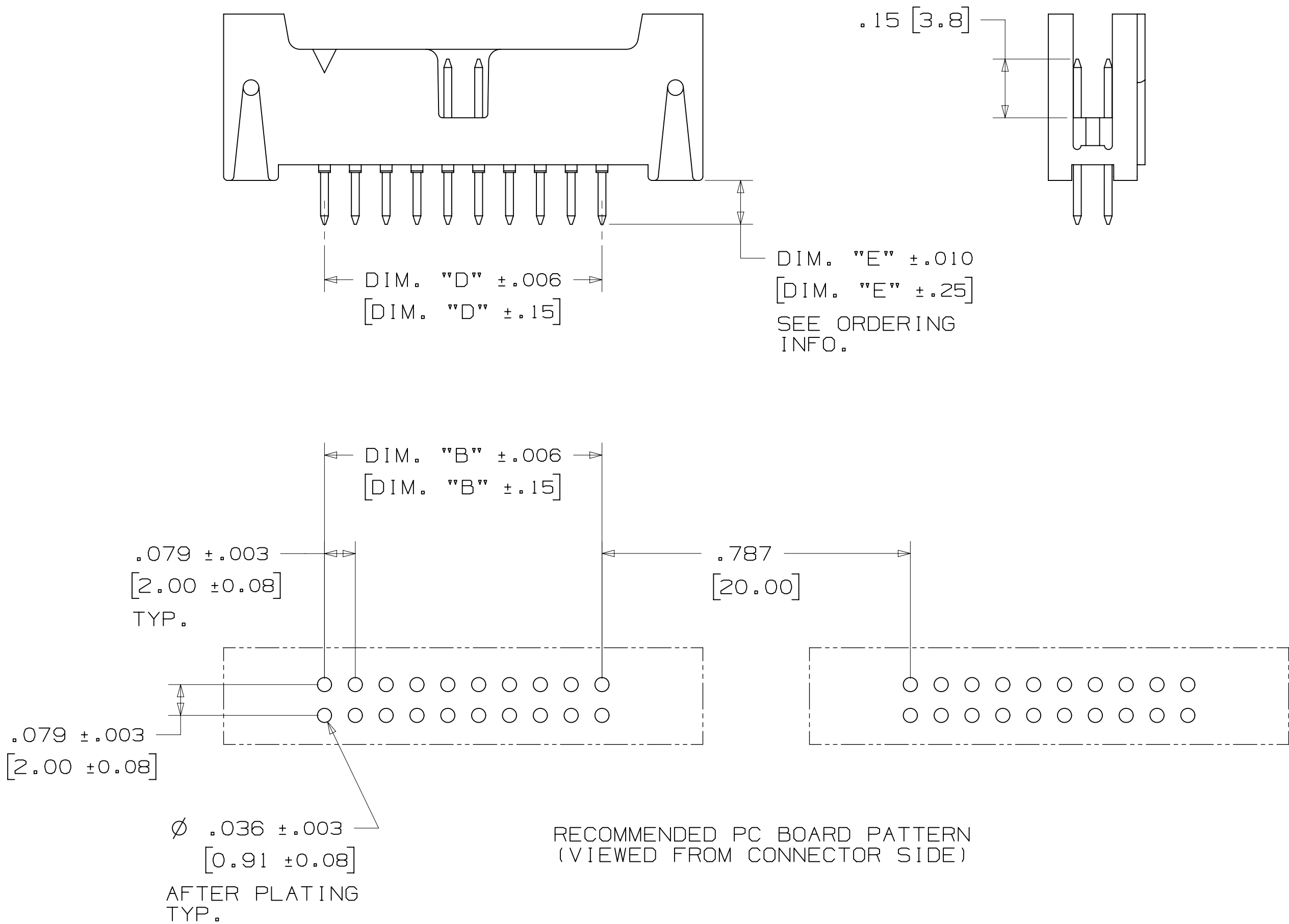
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT	CASTIGLIONE	DATE	JAN 21, 2015	MFG	DATE
				CHKD		DATE		APPR	DATE
								R. SCHERER	JAN 21, 2015
DIVISION		DIVISION CODE		<div><div>3M</div><div>3M Center St. Paul, MN 55144</div></div> <div>© 3M COPYRIGHT 2017 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.</div>					
DO NOT SCALE DRAWING		SCALE							
		4 1							
		TOLERANCES EXCEPT AS NOTED		<div>TITLE</div> <div>LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT</div>					
THIRD ANGLE PROJECTION		INCHES							
		.00 ± .01 .000 ± .008 .0000 ±							
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		<div>CAGE NUMBER</div> <div>D 78-5100-2199-7</div> <div>REV. L</div>					
MAX SURFACE ROUGHNESS		.00 ± .30 .00 ± .20 .000 ±							
SURFACES		.00 ±							
<input checked="" type="checkbox"/> MARKED ONLY		ANGLES		<div>MODEL</div> <div>1552</div> <div>DET. YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> SHT 1 OF 4</div>					

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

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

STRAIGHT VERSION



ORDERING INFORMATION
1552XX-6X0X-XX

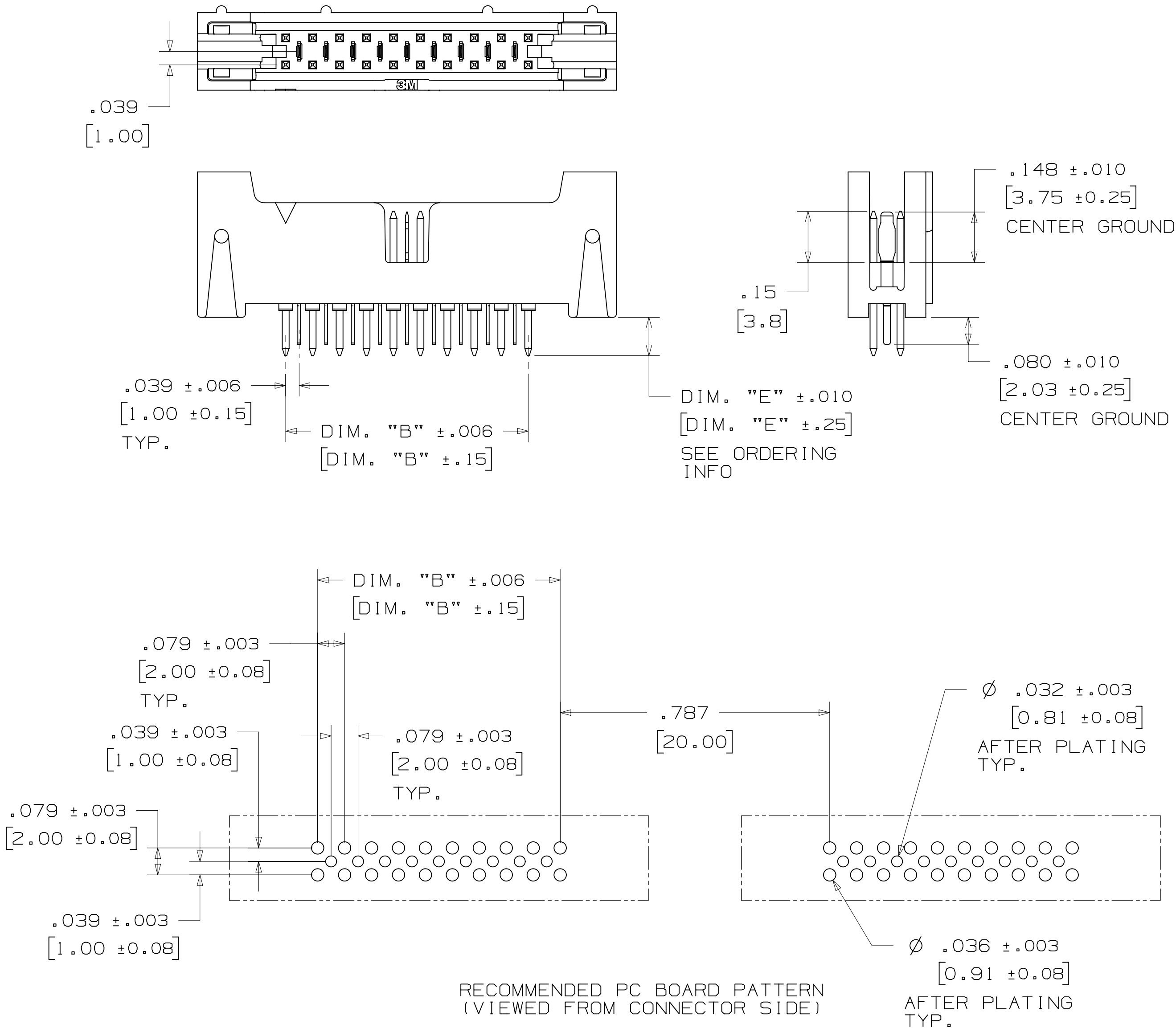
CONTACT QUANTITY:

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



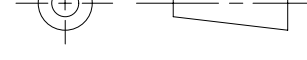

ORDERING INFORMATION
G1552XX-6X0X-XX

CONTACT QUANTITY:

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

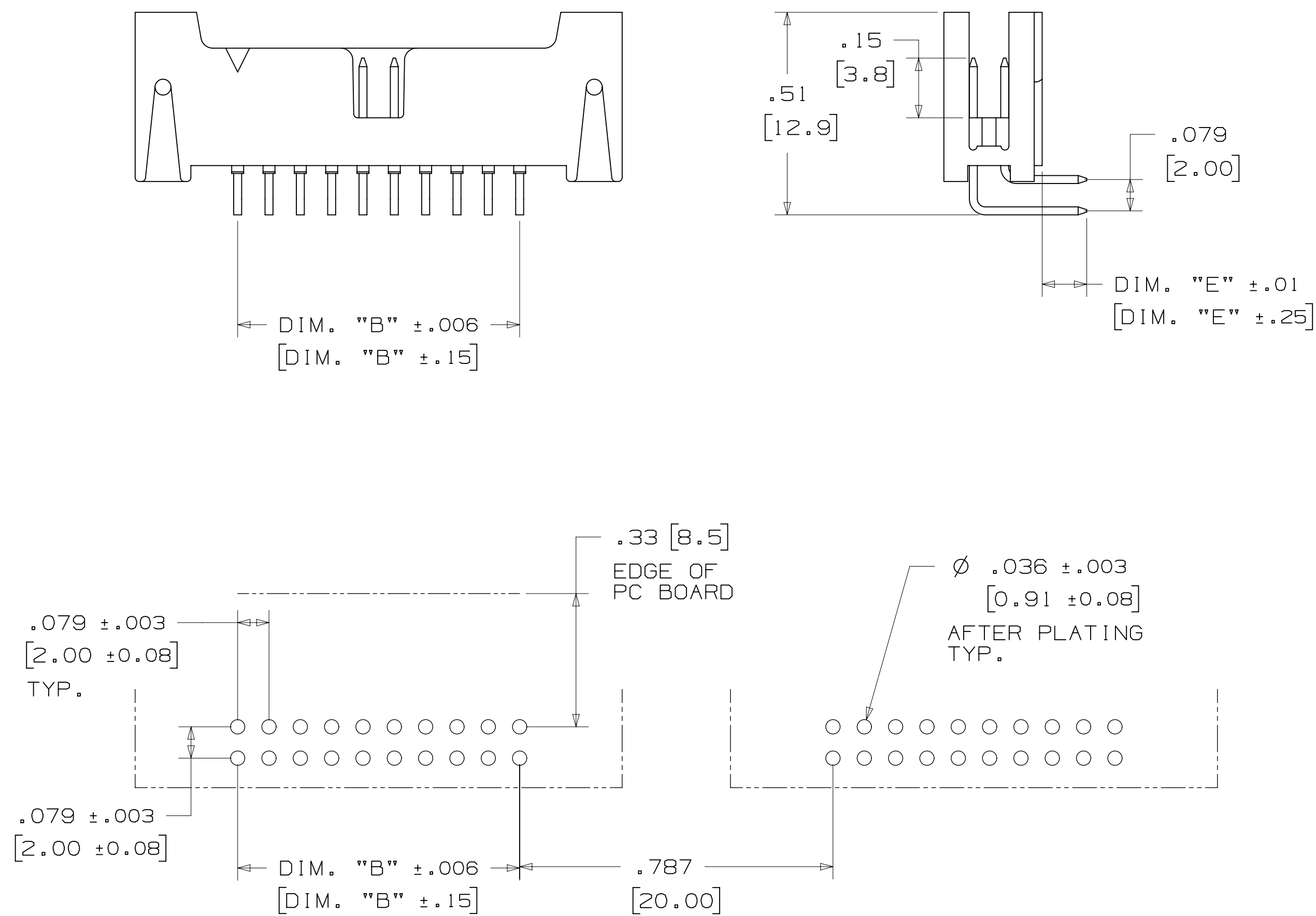
PLATING OPTIONS:
RB = 30µIN [.76µm] GOLD
RA = 10µIN [.25µm] GOLD (RIA E1 & C1 APPLY) FOR BOTH PLATINGS

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES						DRFT	CASTIGLIONE	DATE	MFG
						DATE	JAN 21, 2015	DATE	
						DATE		APPR	DATE
						DATE		BY	SCHERER
						DATE		DATE	JAN 21, 2015
DIVISION		DIVISION CODE				© 3M COPYRIGHT 2017			
		EMSD				This document and the information it contains are 3M property and may not be reproduced or further distributed without the express written 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 3M Center St. Paul, MN 55144			
		INCHES .00 ± .000 ±.01 .000 ±.008 .0000 ±				TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT			
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .00 ±.3 .00 ±.20 .00 ±				CAGE NUMBER D 78-5100-2199-7			
INTERPRET PER ASME Y14.5 - 2009		ANGLES ±				DRAWING NO. L			
MAX SURFACE ROUGHNESS ✓  □ MARKED ONLY						MODEL 1552			
						DET. LISTS			
						YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
						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:

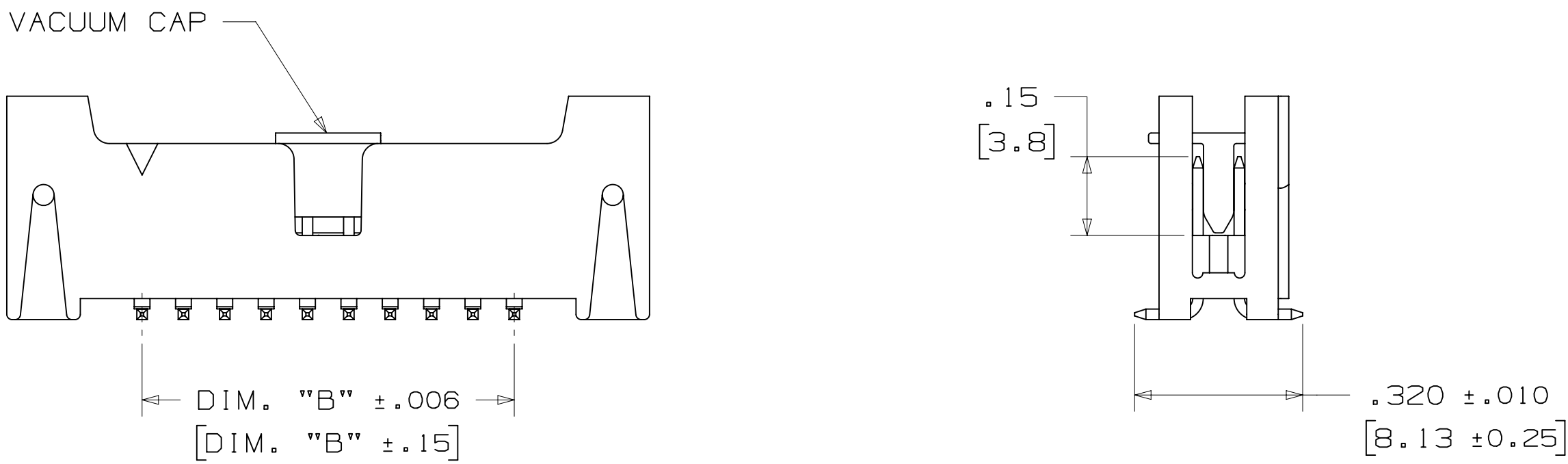
LATCHING OPTIONS:
2 = LATCH, MOLDED-ON SOCKET WITH LATCHING EARS, SERIES: 870, 2MM
3 = LATCH, PRESS-ON SOCKET, SERIES: 1522
4 = LATCH, 2MM SCI CARRIER ONLY, SERIES 93XX

PLATING OPTIONS:
RB = 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
DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED	INCHES .00 ±.01 .000 ±.0008 .0000 ±	MILLIMETERS 0 ±.3 .00 ±.20 .000 ±	MAX SURFACE ROUGHNESS 12.5 SURFACES MARKED ONLY	ANGLES 45°
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	CAGE NUMBER	SIZE	DRAWING NO.	REV.	
		D		78-5100-2199-7	L	
		MODEL	1552	DET	LISTS	YES X NO
				SHT	3	OF 4

8

7

6

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4

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2

1

3M™ LATCH/EJECT HEADER, 1552 SERIES

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

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DESIGN REFERENCE

NEXT ASSEMBLY

REV

ECO

ISSUE DATE AND DESCRIPTION

DRFT

CHKD

8

7

6

5

4

3

2

1

8

7

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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

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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 Off:set

Mouser Electronics

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[155216-5403-RB](#) [155222-5403-RB](#) [155224-5403-RB](#) [155226-5403-RB](#) [155230-5403-RB](#) [155234-5403-RB](#) [155240-](#)
[5403-RB](#) [155244-5403-RB](#) [155250-5403-RB](#) [155210-5402-RB](#)