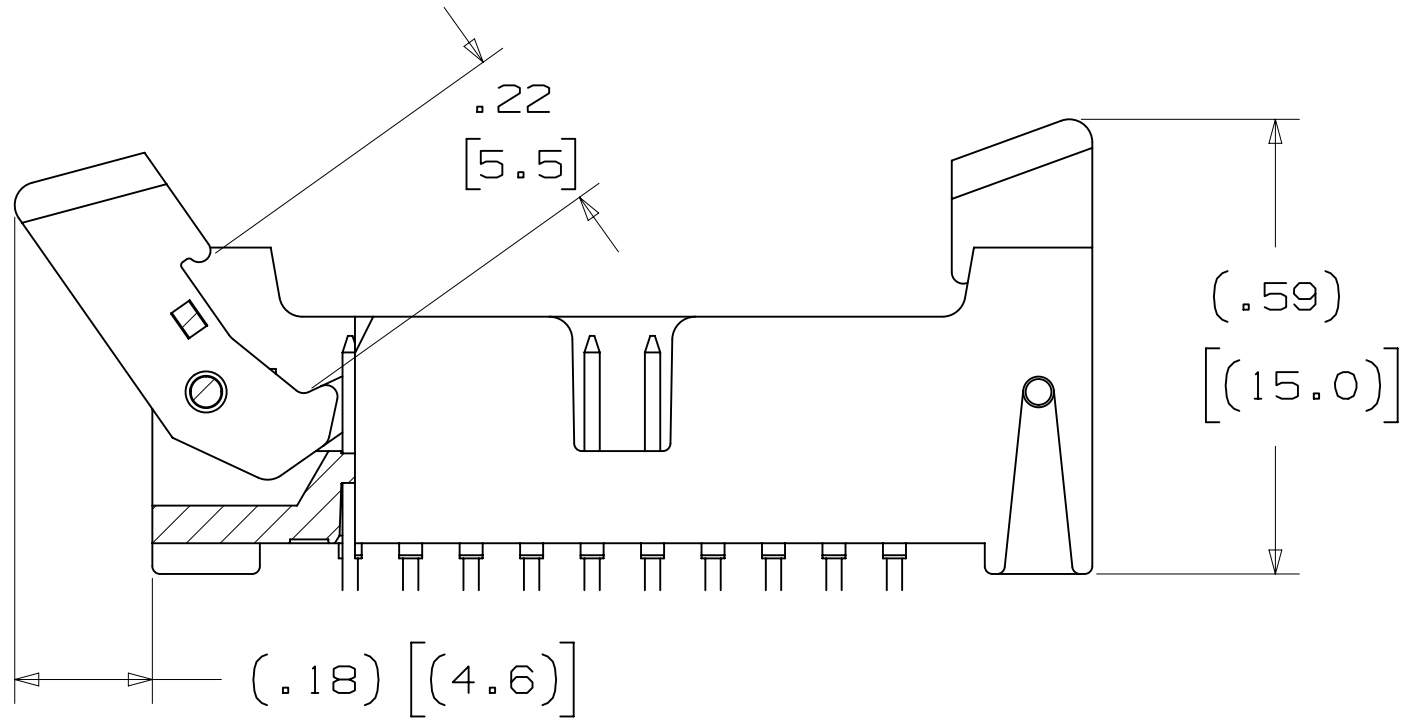
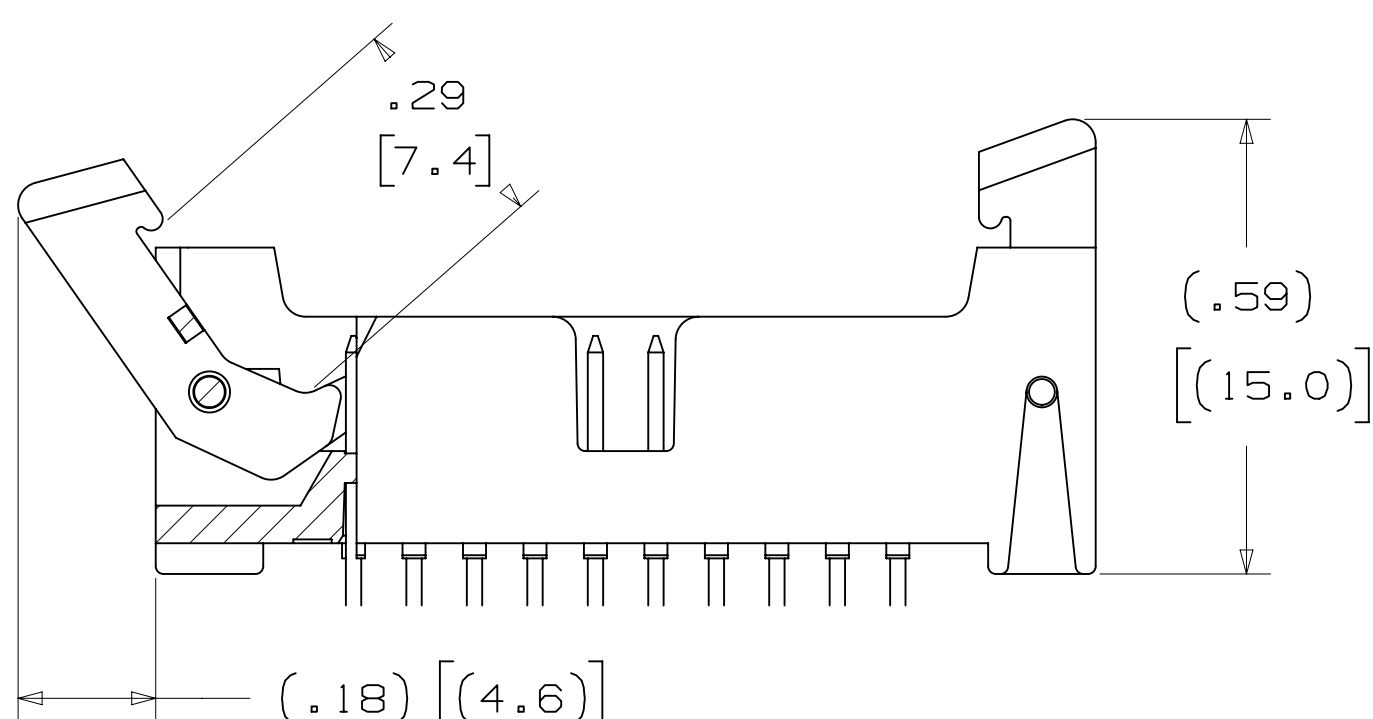


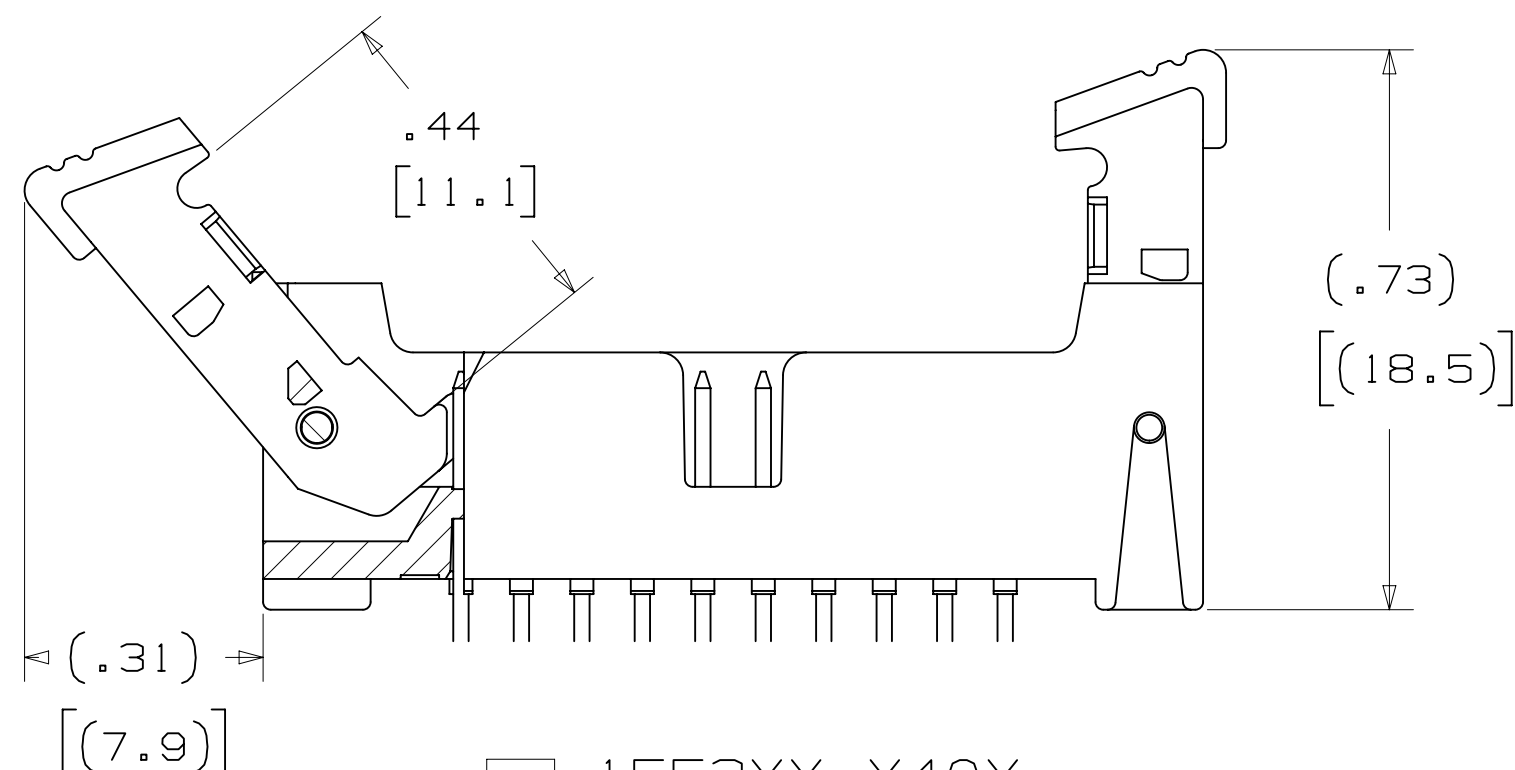
3M™ LATCH/EJECT HEADER, 1552 SERIES
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT



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.

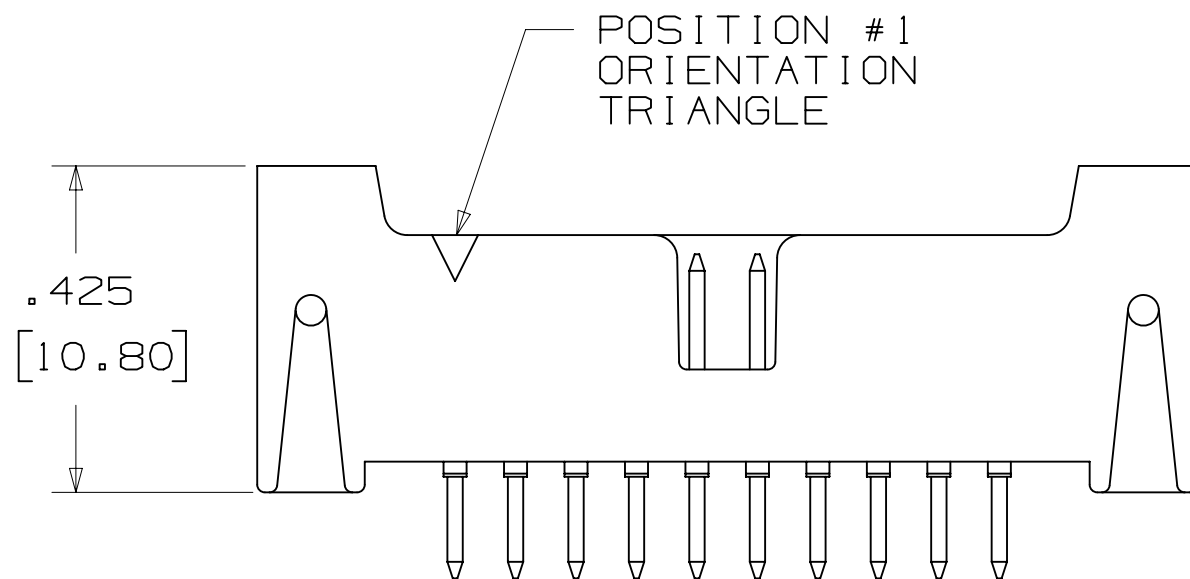
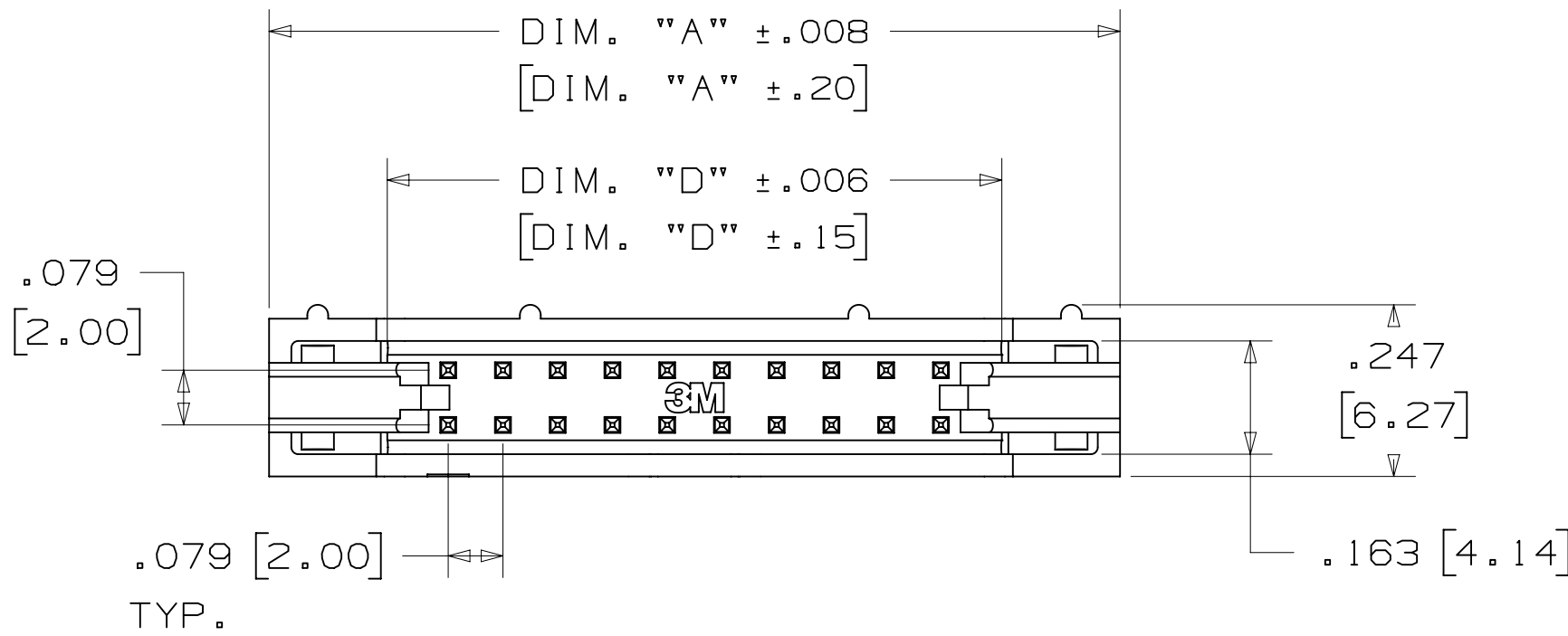
INSULATION RESISTANCE: > 1X10⁹ OHMS AT 500 V_{DC}
WITHSTANDING VOLTAGE (1552XX): 1000 V_{RMS} AT SEA LEVEL
WITHSTANDING VOLTAGE (G1552XX): 750 V_{RMS} AT SEA LEVEL

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)

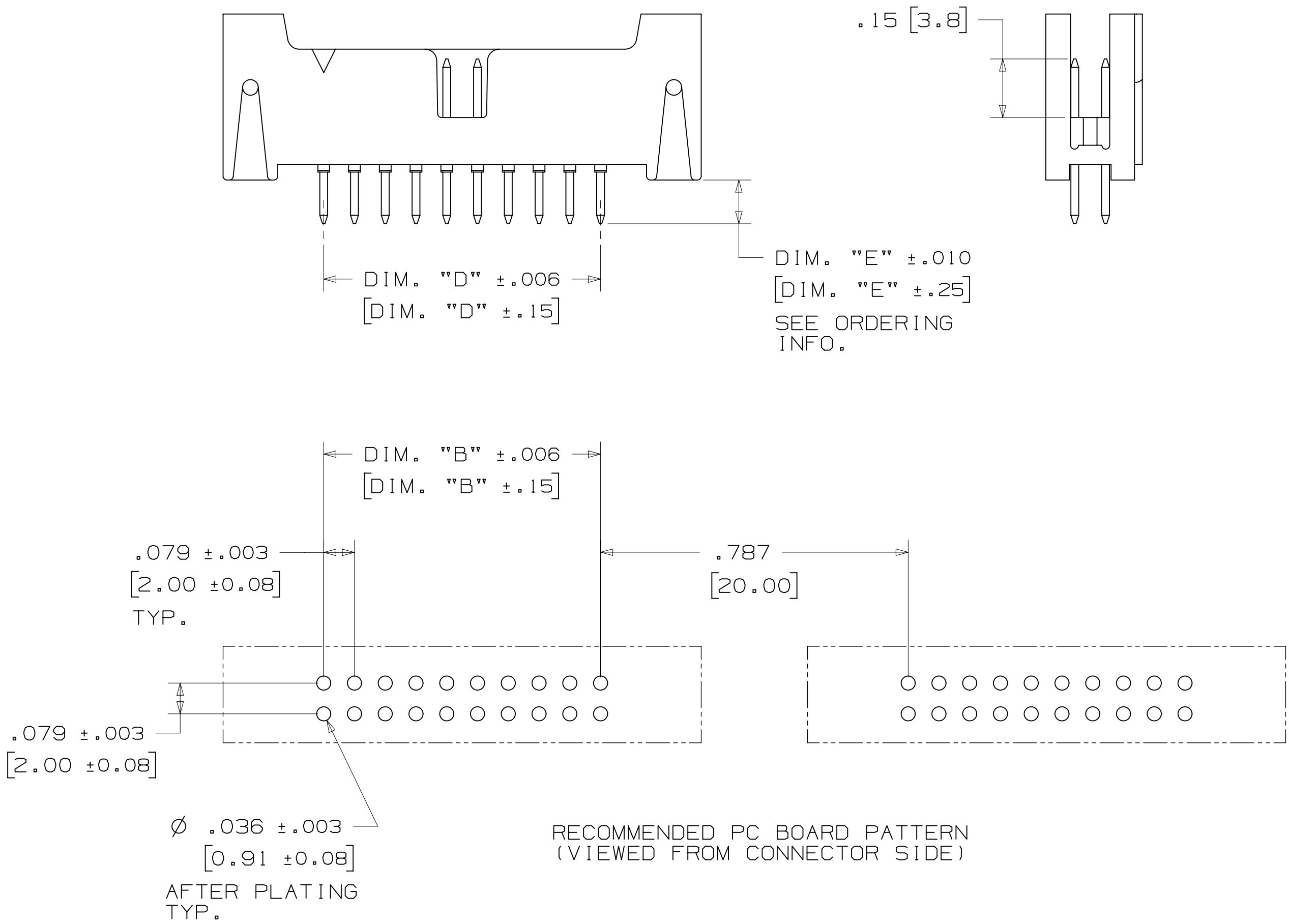
DIMENSIONS: MM [INCHES]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT	CASTIGLIONE	DATE	JAN 21, 2015	MFG	DATE
				CHKD		DATE		APPV	DATE
								R. SCHERER	JAN 21, 2015
DIVISION		DIVISION CODE							
		EMSD							
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED					
				INCHES +0.0 ± -.001 ± +.008 ± -.0000 ±					
THIRD ANGLE PROJECTION				MILLIMETERS +0.0 ± -.001 ± +.030 ± -.000 ±					
INTERPRET PER ASME Y14.5 - 2009									
MAX. SURFACE ROUGHNESS		DARK SURFACES							
		☐ MARKED ONLY							

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TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT			
CAGE NUMBER	SIZE	DRAWING NO.	REV.
D		78-5100-2199-7	L
MODEL	1552		DET. 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

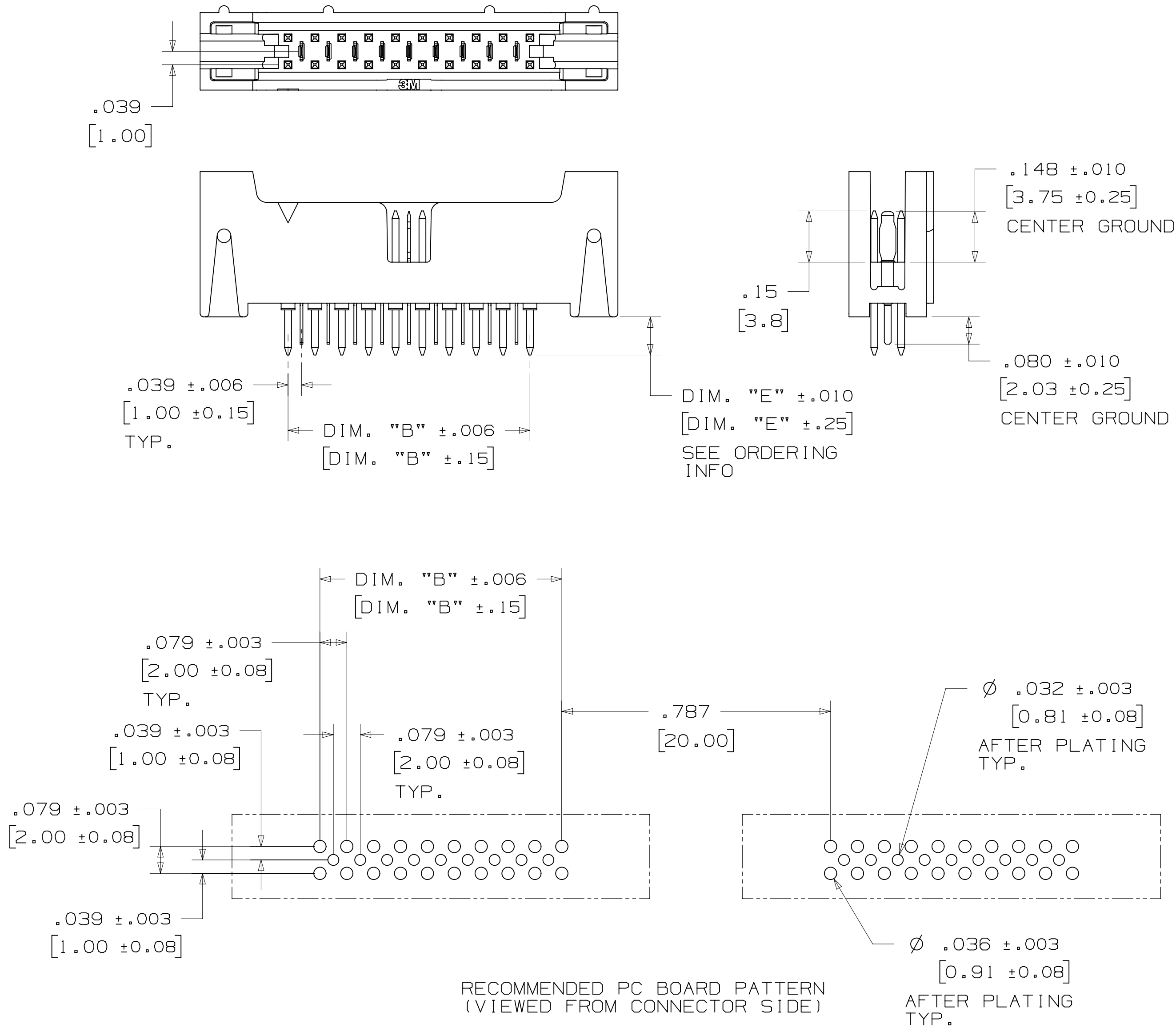
CONTACT QUANTITY: _____

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

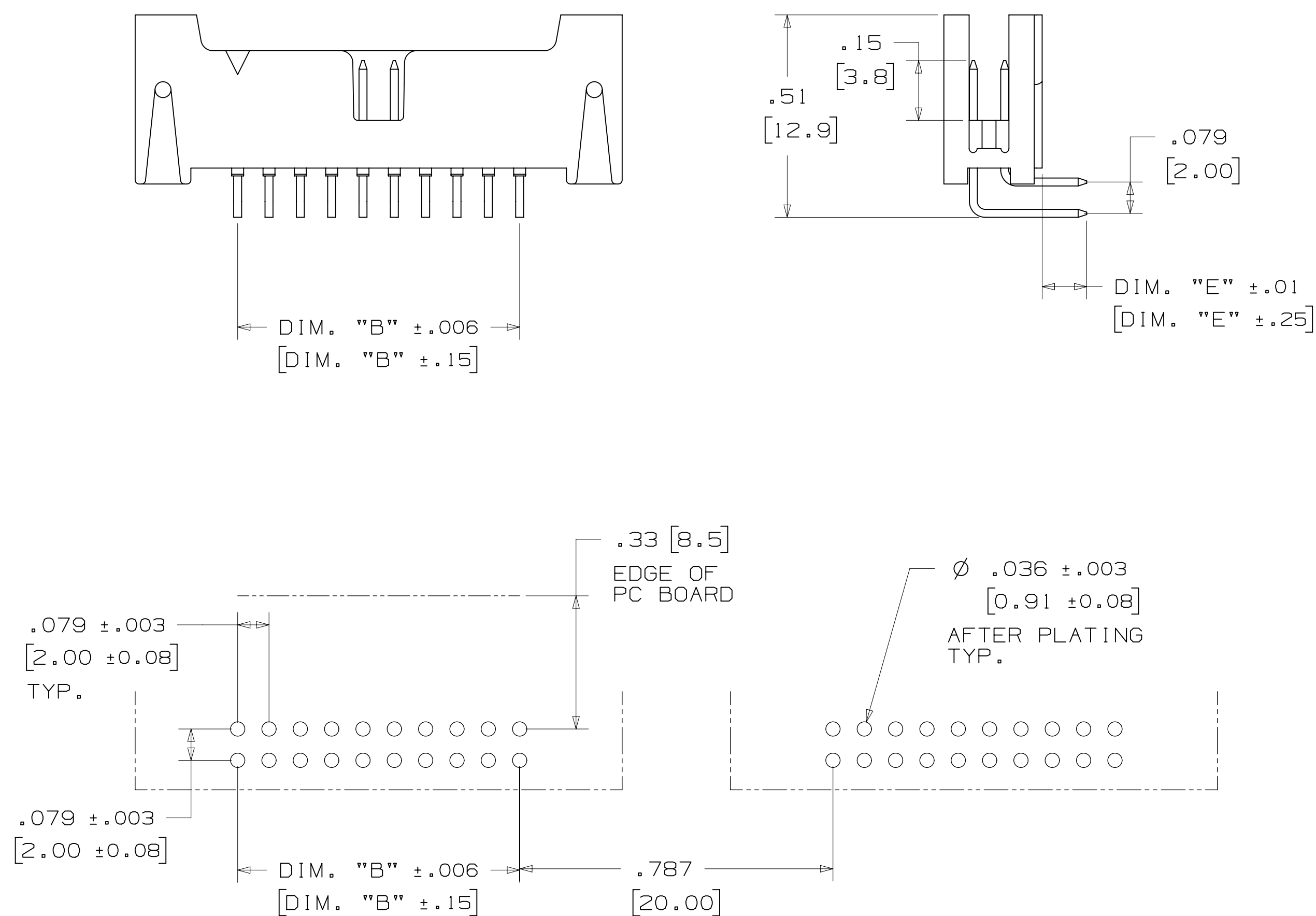
SOLDER TAIL LENGTH: DIMENSION "E"
2 = .112 [2.84]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES				DRP	CASTIGLIONE	DATE	MFG	DATE	
				CHKD		DATE	APPR	DATE	
DIVISION		DIVISION CODE		JAN 21, 2015					
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED					
		THIRD ANGLE PROJECTION		INCHES					
				.0 ±.01					
				.000 ±.008					
				.0000 ±					
MAX SURFACE ROUGHNESS		SURFACES		MILLIMETERS					
				0 ±					
				.0 ±.3					
				.00 ±.20					
☒ MARKED ONLY				ANGLES					
				CAGE NUMBER					
				SIZE					
				DRAWING NO.					
				REV.					
				MODEL					
				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

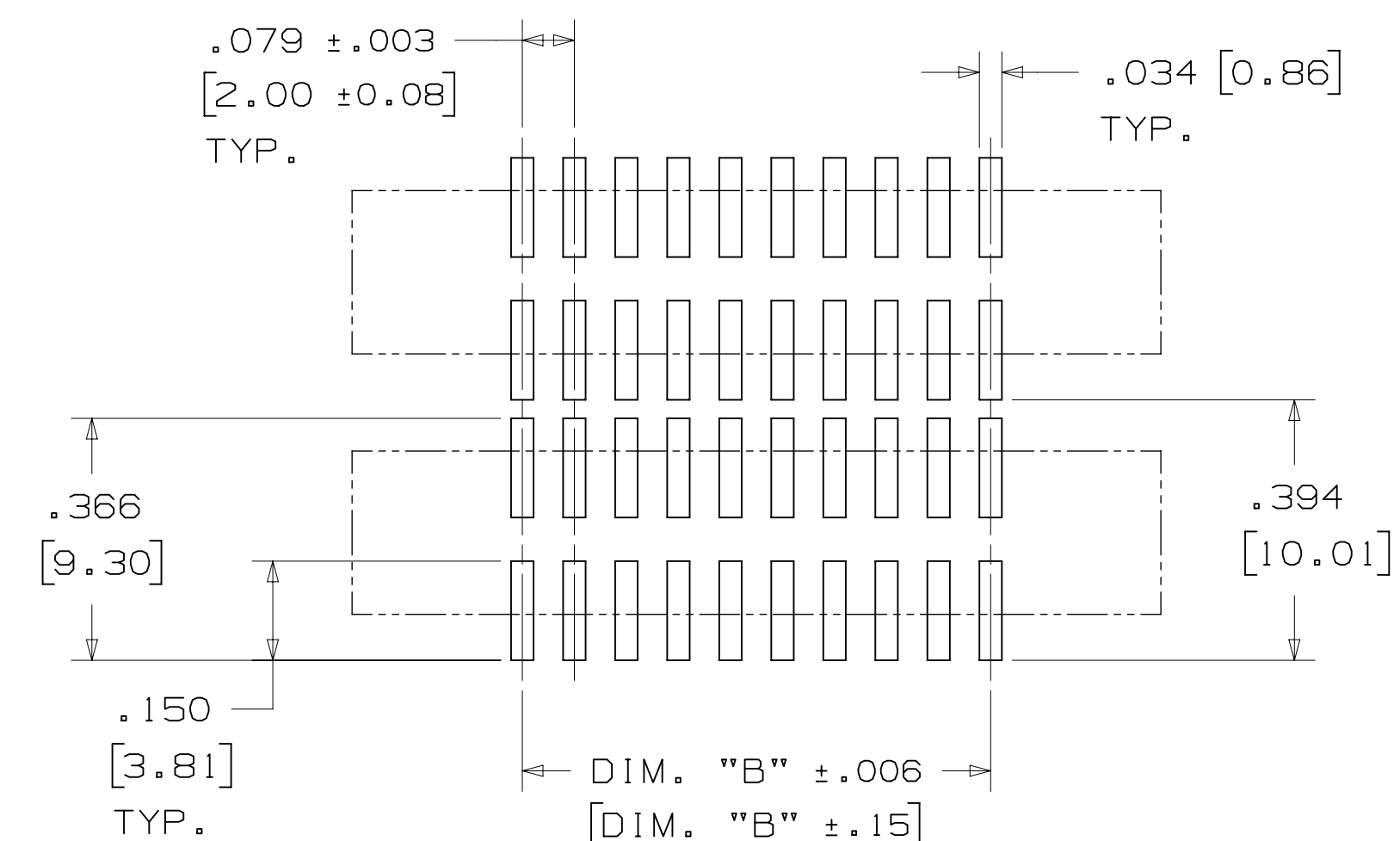
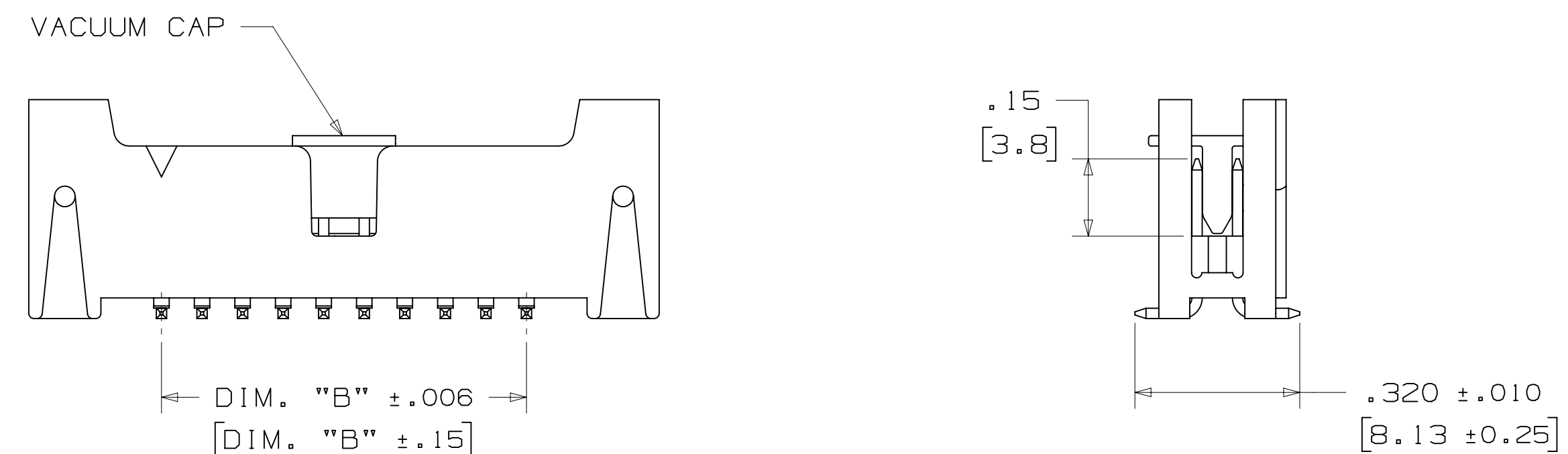
- PLATING OPTIONS:
RB = 30 μ IN [.76 μ m] GOLD
RA = 10 μ IN [.25 μ m] GOLD
(RIA E1 & C1 APPLY) FOR
BOTH PLATINGS

- 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: _____

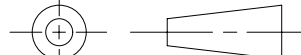
2 = LATCH, MOLDED-ON SOCKET WITH
LATCHING EARS, SERIES: 870, 2MM

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ADDRESS CODES				PART CASTIGLIONE		DATE JAN 21, 2015		MFG	DATE
				CHKD		DATE		APPROV. R. SCHERER	
								DATE JAN 21, 2015	
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2017					
DO NOT SCALE DRAWING		SCALE 4 1		EMSD TOLERANCES EXCEPT AS NOTED		3M 3M Center 55, Plaza MN 55141 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 0.00 .000 .0000 ± ± .01 ± .008 ±		TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT					
THIRD ANGLE PROJECTION									
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 .0 .00 .000 ± ± .3 ± .20 ±		CAGE NUMBER		SIZE		DRAWING NO.	
MAX SURFACE ROUGHNESS 12.5 SURFACES 1.6 SURFACES 0.8 MARKED ONLY		ANGLE		MODEL 1552		DET. STS		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

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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

MILLIMETERS

ANGLES

3M

3M Center St. Paul, MN 55144

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CAGE NUMBER

SIZE

DRAWING NO.

REV.

MODEL

1552

DET

LISTS

YES

NO

SHT 4 OF 4

78-5100-2199-7

DRAWING NUMBER

Imaged: L.6 Central Standard Time

5/17/2017

UTC Off

set

Mouser Electronics

Authorized Distributor

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

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[155212-2200-RB](#)