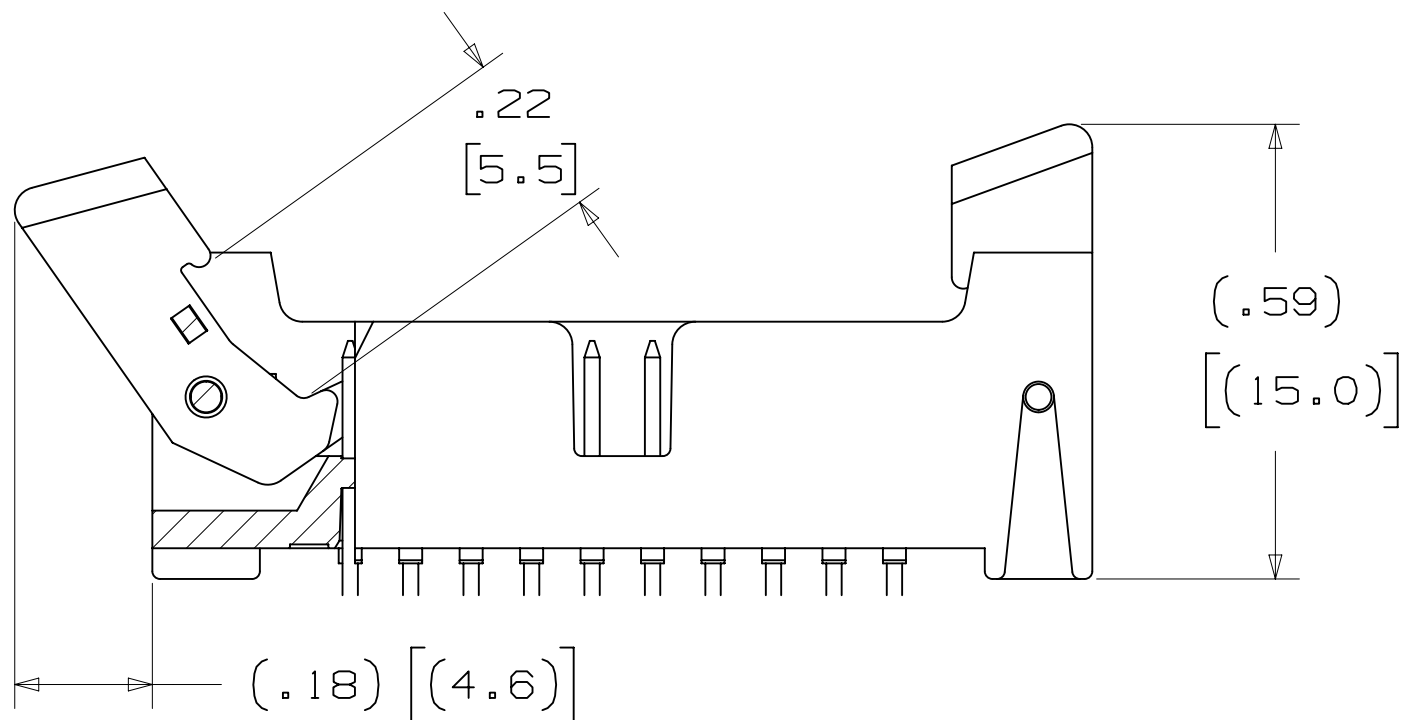
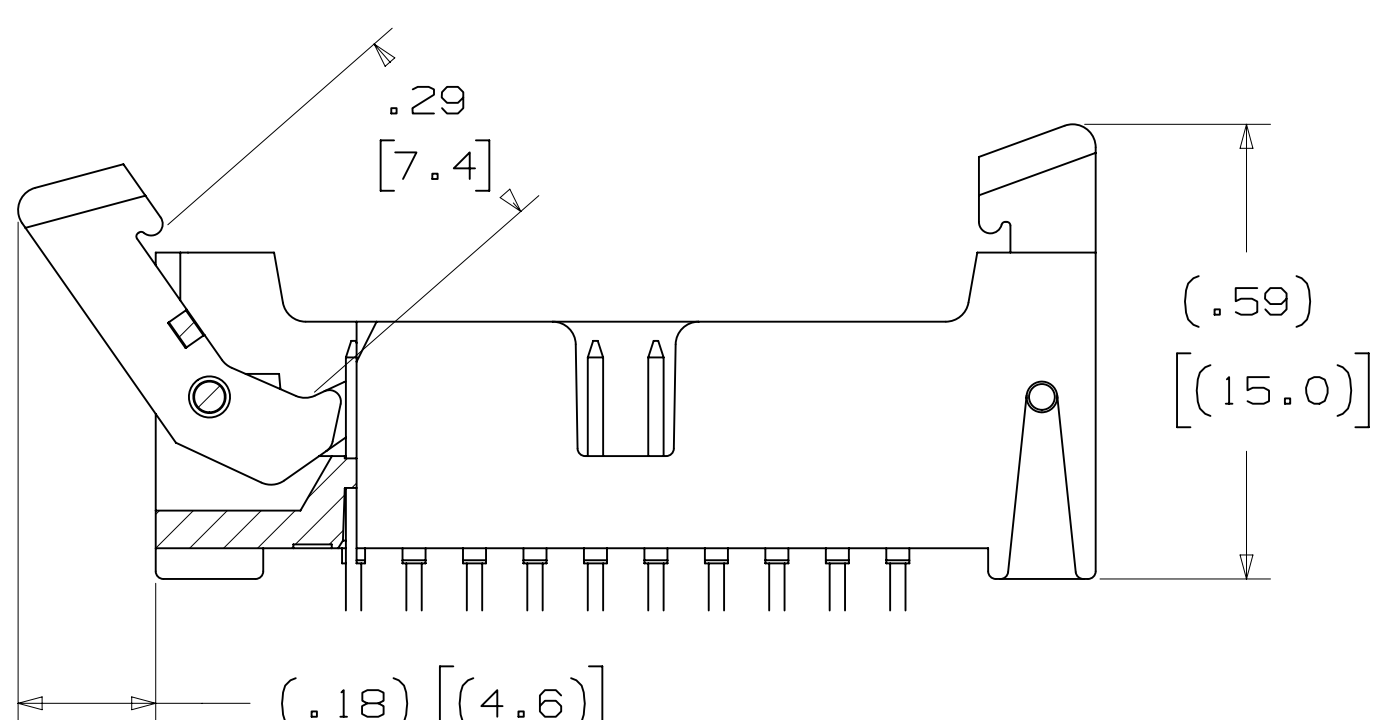


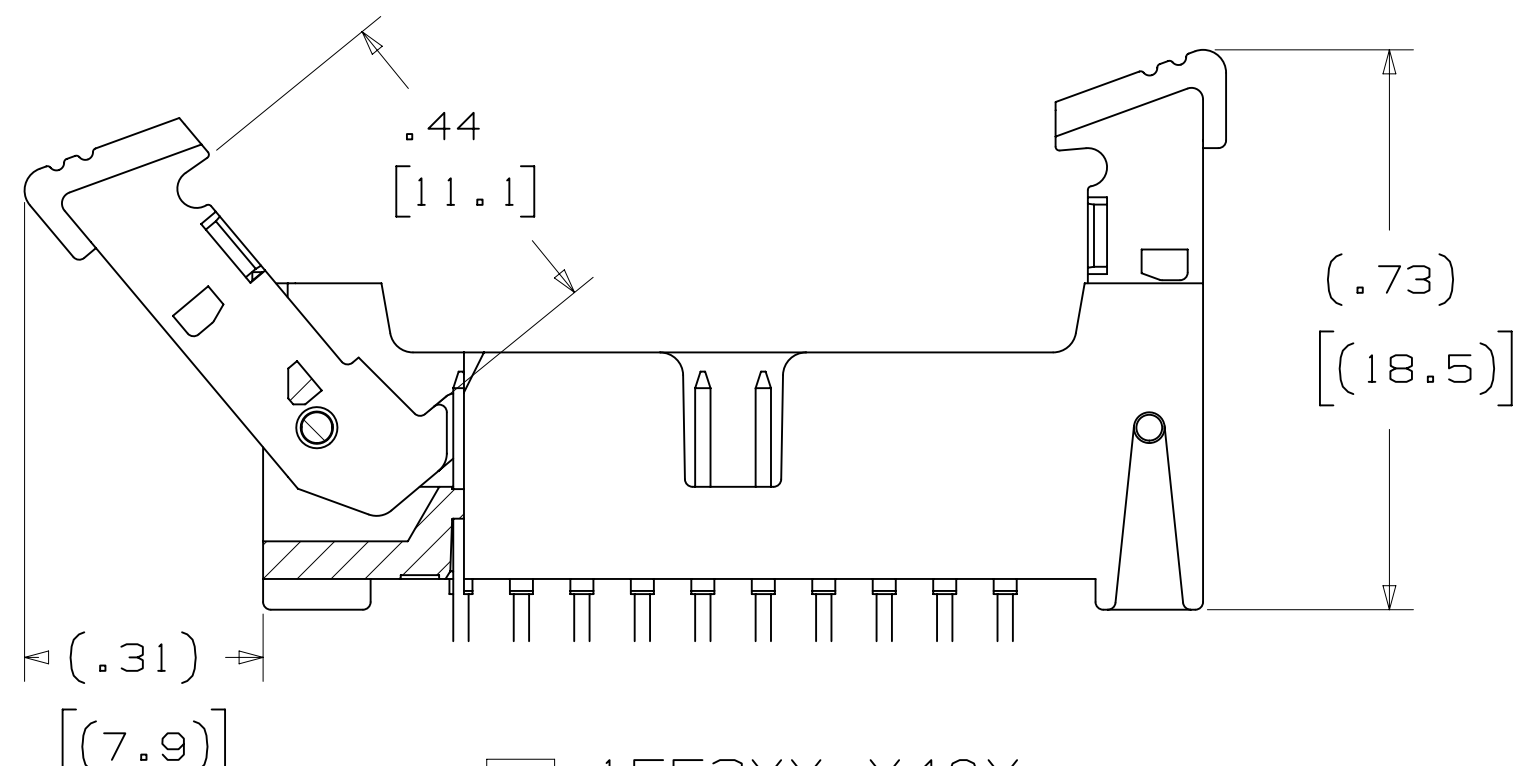
3M™ LATCH/EJECT HEADER, 1552 SERIES
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT



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.

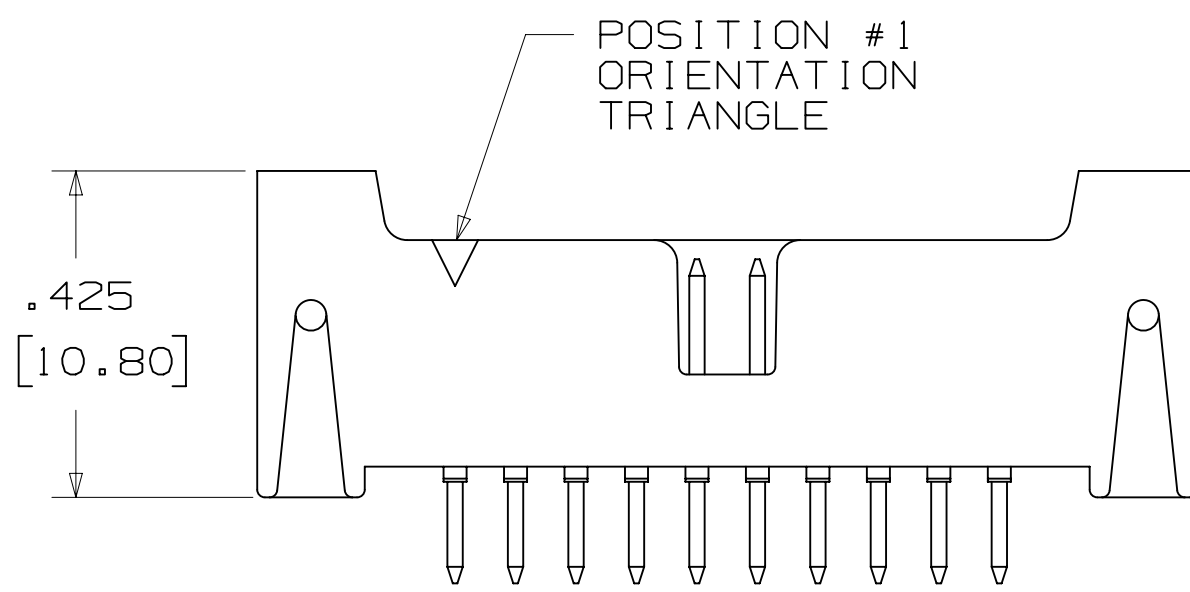
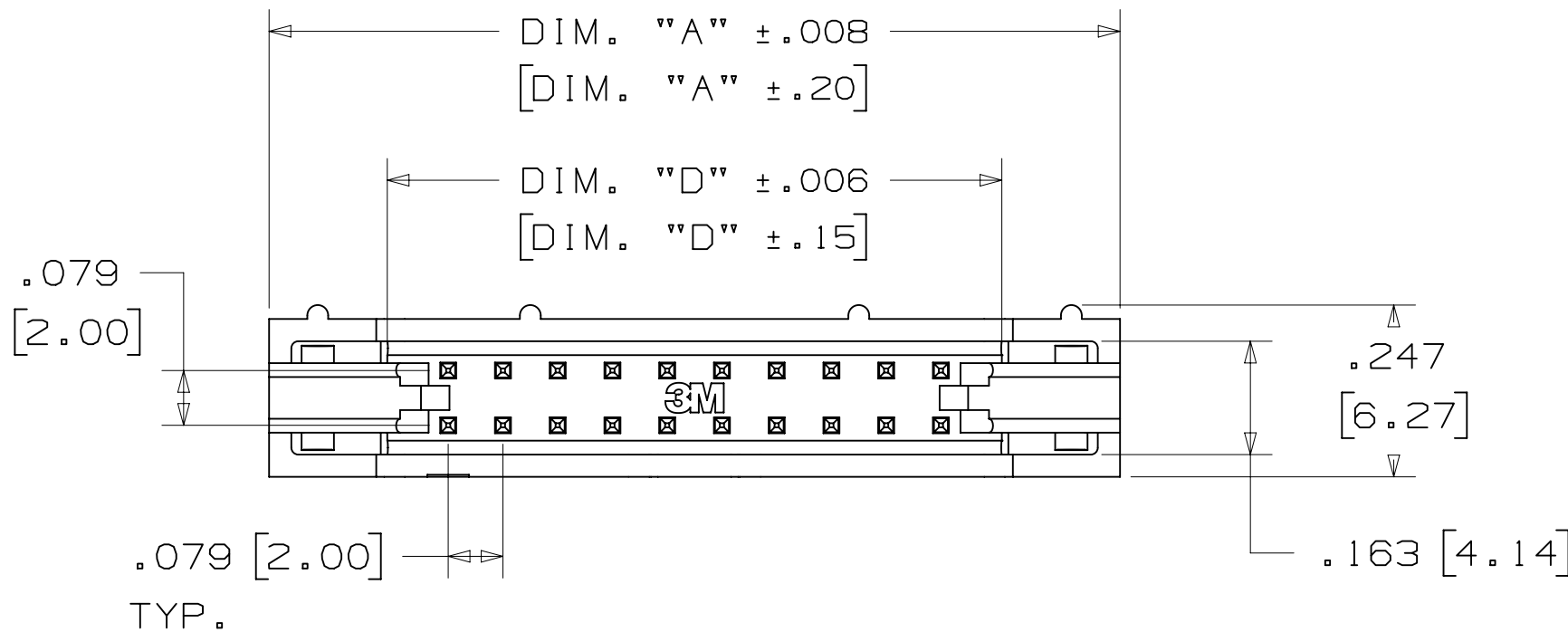
INSULATION RESISTANCE: > 1X10⁹ OHMS AT 500 V_{DC}
WITHSTANDING VOLTAGE (1552XX): 1000 V_{RMS} AT SEA LEVEL
WITHSTANDING VOLTAGE (G1552XX): 750 V_{RMS} AT SEA LEVEL

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

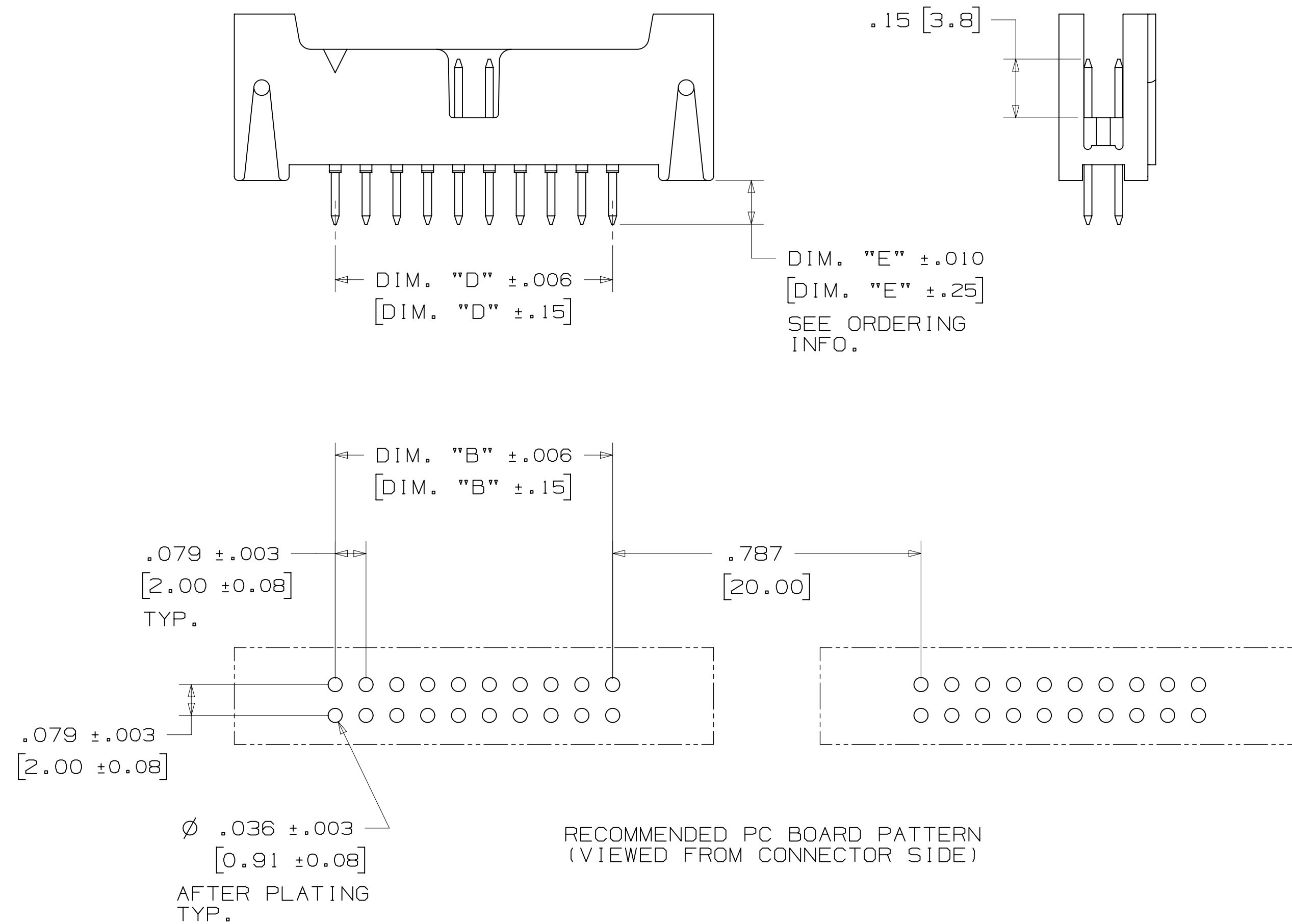


TYPICAL CONNECTOR DIMENSIONS
FOR THE HEADERS ON THIS DRAWING
(EXCEPT AS NOTED)

DIMENSIONS: MM [INCHES]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRP1	CASTIGLIONE	DATE	JAN 21, 2015	MFG	DATE
				CHKD		DATE		APPR	DATE
								R. SCHERER	JAN 21, 2015
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2017					
		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.			
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED							
SCALE 4 1									
		INCHES		TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT					
THIRD ANGLE PROJECTION		.00 ± .01							
		.000 ± .008							
		.0000 ±							
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		CAGE NUMBER D 78-5100-2199-7 REV. L					
.00 ± .3									
.00 ± .20									
.000 ±									
MAX. SURFACE ROUGHNESS ✓ 1.6 μm □ MARKED ONLY		ANGLES		MODEL 1552 DET. LISTS YES ☒ 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:

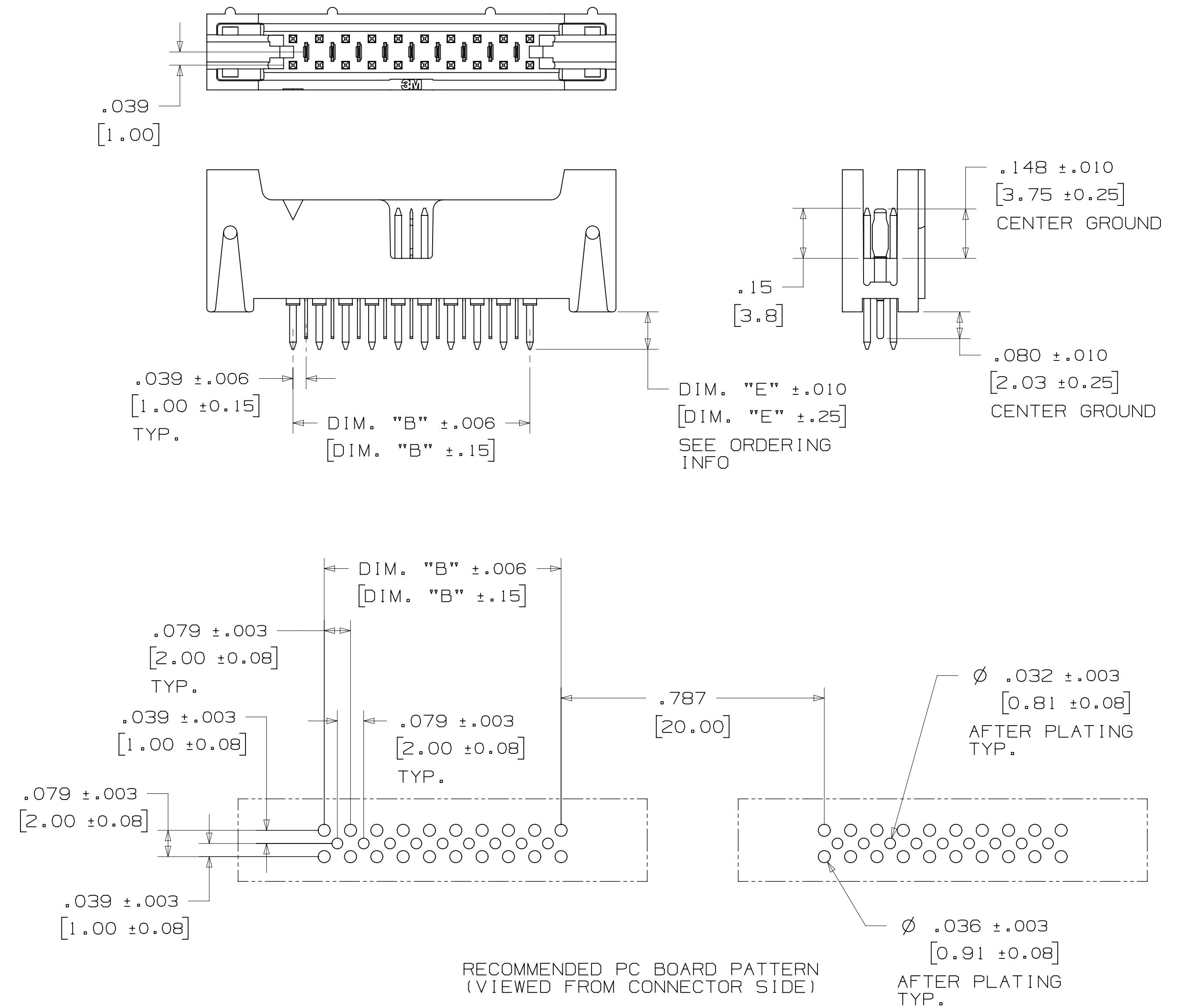
RB = 30μIN [.76μm] GOLD
RA = 10μIN [.25μm] GOLD
(RIA E1 & C1 APPLY) FOR
BOTH PLATINGS

```

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

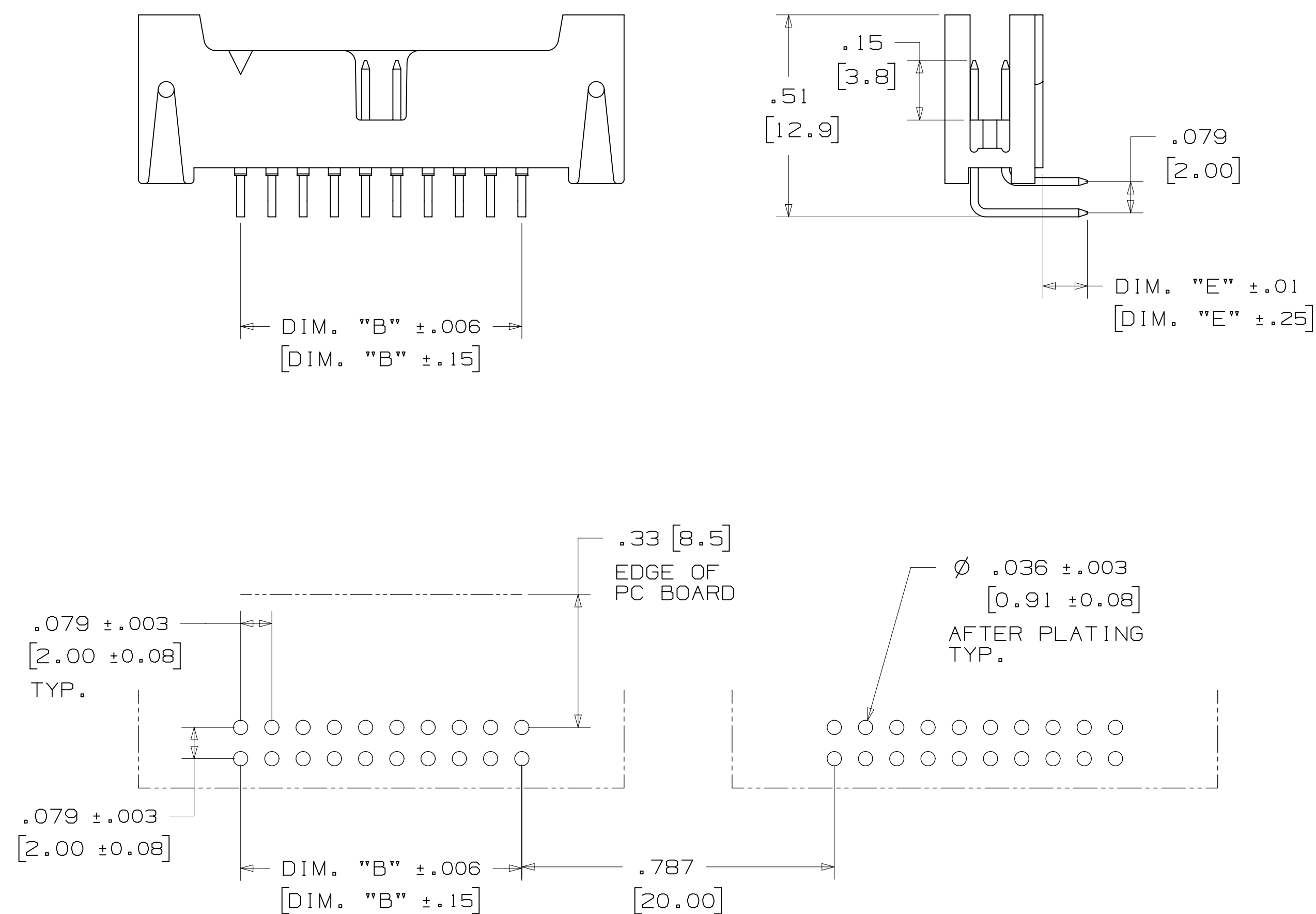
— SOLDER TAIL LENGTH:
DIMENSION "E"
2 = .112 [2.84]

DESIGN REFERENCE NEXT ASSEMBLY				REV ECO		ISSUE DATE AND DESCRIPTION		DRFT	CHKD		
ADDRESS CODES				DWG CAST1G1L1ONE		DATE JAN 21,2015		MFG	DATE		
				CHKD		DATE		APPRV. R. SCHERER	DATE JAN 21,2015		
DIVISION				DIVISION CODE							
DO NOT SCALE DRAWING THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2009 MARK SURFACE ROUGHNESS MARK SURFACES MARK ONLY SCALE 4 1 TOLERANCES EXCEPT AS NOTED INCHES .00 ± .01 .000 ± .008 .0000 ± MILLIMETERS 0 ± .3 .00 ± .20 .000 ±				EMSD		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		578-5100-2199-7		L				L			
MODEL				1552		DET. 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

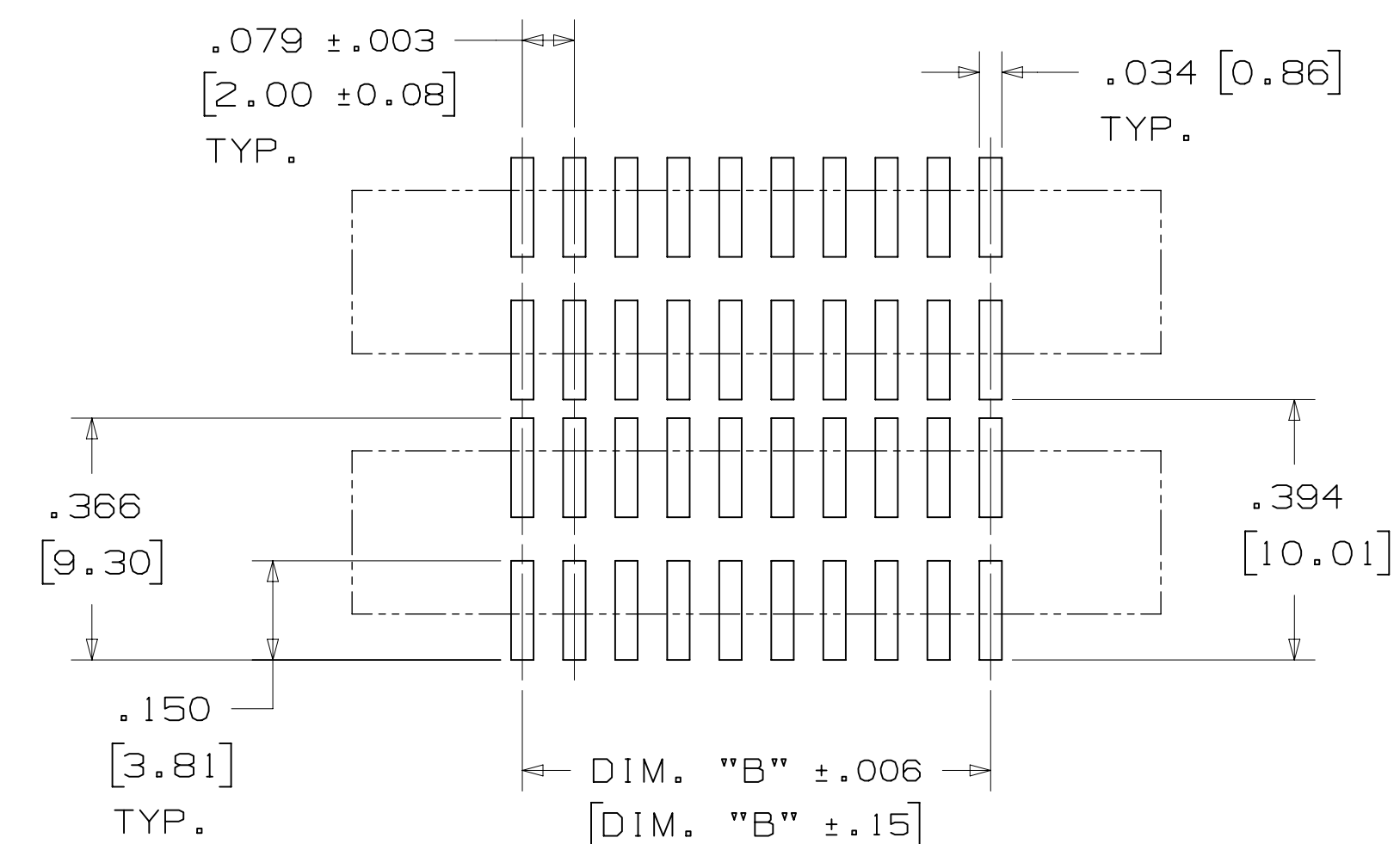
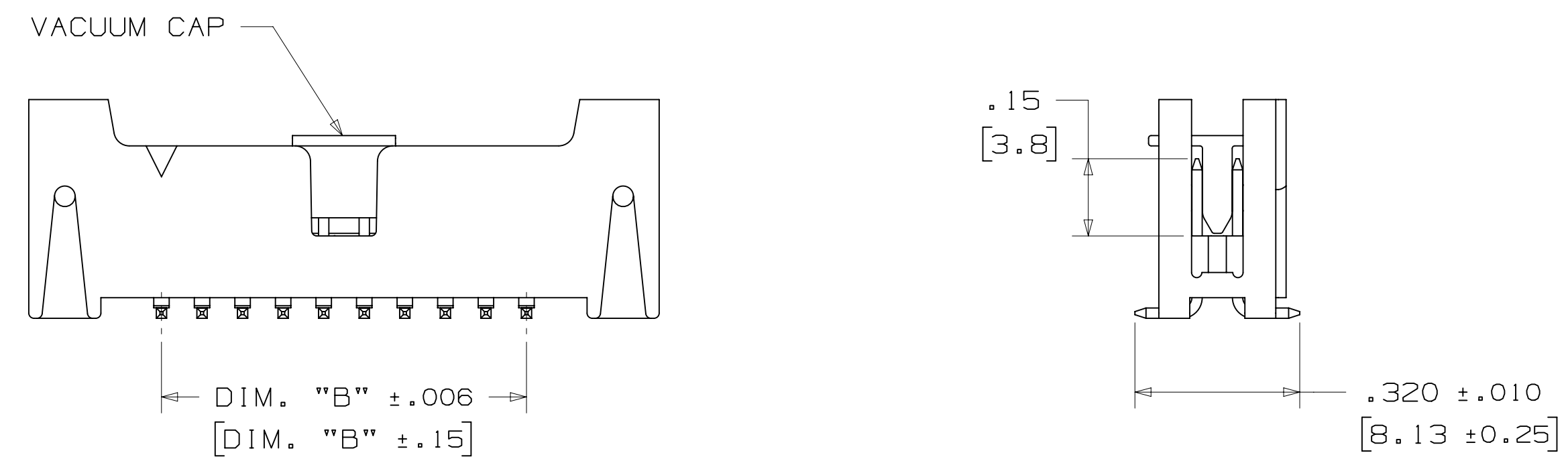
- PLATING OPTIONS:
RB = 30 μ IN [.76 μ m] GOLD
RA = 10 μ IN [.25 μ m] GOLD
(RIA E1 & C1 APPLY) FOR
BOTH PLATINGS

- 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: _____

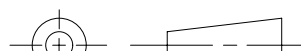
2 = LATCH, MOLDED-ON SOCKET WITH
LATCHING EARS, SERIES: 870, 2MM

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	
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		INCHES .0 0.00 .000 .0000 ± ± .01 ± .008 ±		TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT					
THIRD ANGLE PROJECTION		MILLIMETERS 0 .0 .00 .000 ± ± .3 ± .20 ±		CAGE NUMBER		SIZE		DRAWING NO.	
~~MAX SURFACE ROUGHNESS~~		~~12.5 SURFACES~~		D 78-5100-2199-7		L		REV.	
~~MARKED ONLY~~		ANGLE		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

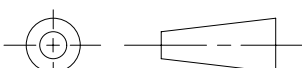
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L		58601		AUG 11, 2016		JNC		RS					
				8-11-16 ADD SHT 4									
				REVISE TRADEMAKE NOTE									
				JUN 01, 2016									
				PRODUCTION RELEASE,									
				APR 29, 2016									
DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ADDRESS CODES				REF. CAST 1GL1ONE		DATE JUN 21, 2015		MFG		DATE			
				CHKD		DATE		APPRVL. R. SCHERER		DATE JAN 21, 2015			
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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 12.5 ✓ □ MARKED ONLY		ANGLES		MODEL 1552		DET. LISTS		YES		NO		SHT 4 OF 4	

Mouser Electronics

Authorized Distributor

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[155212-2200-RB](#)