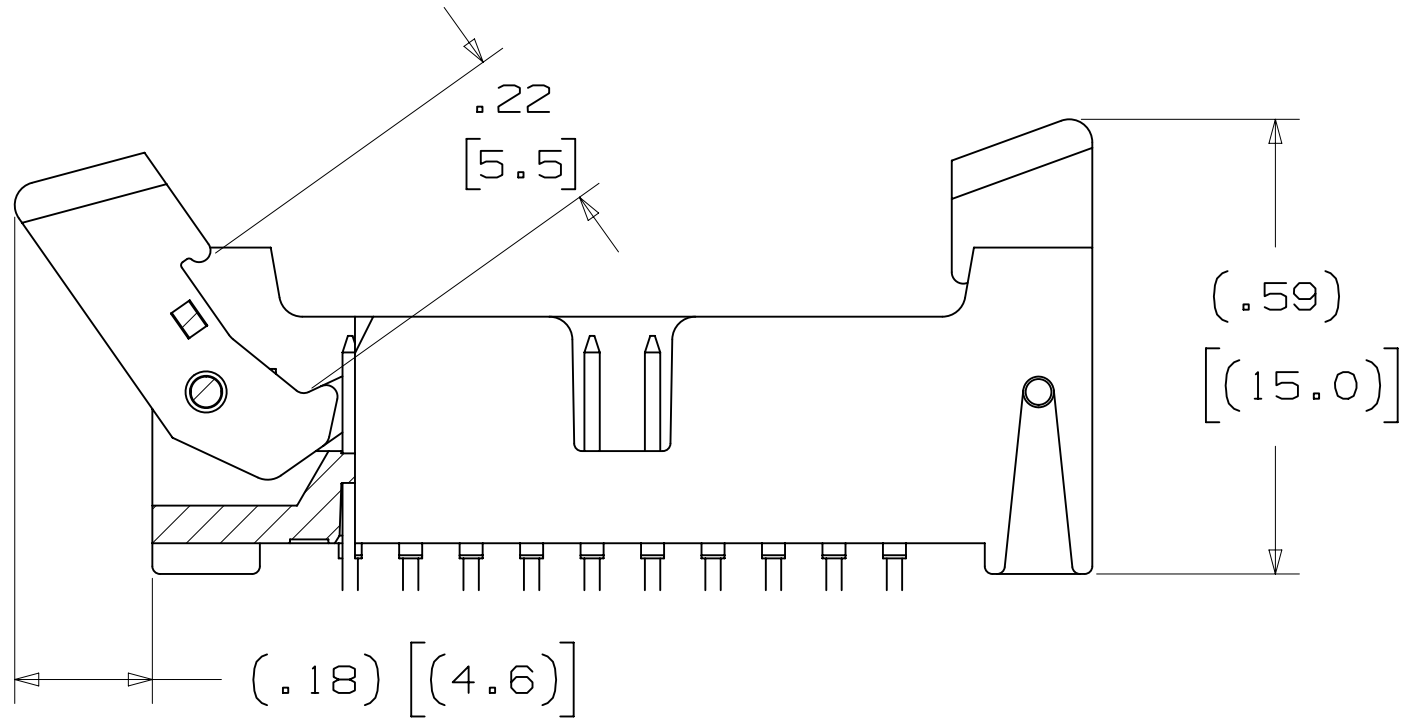
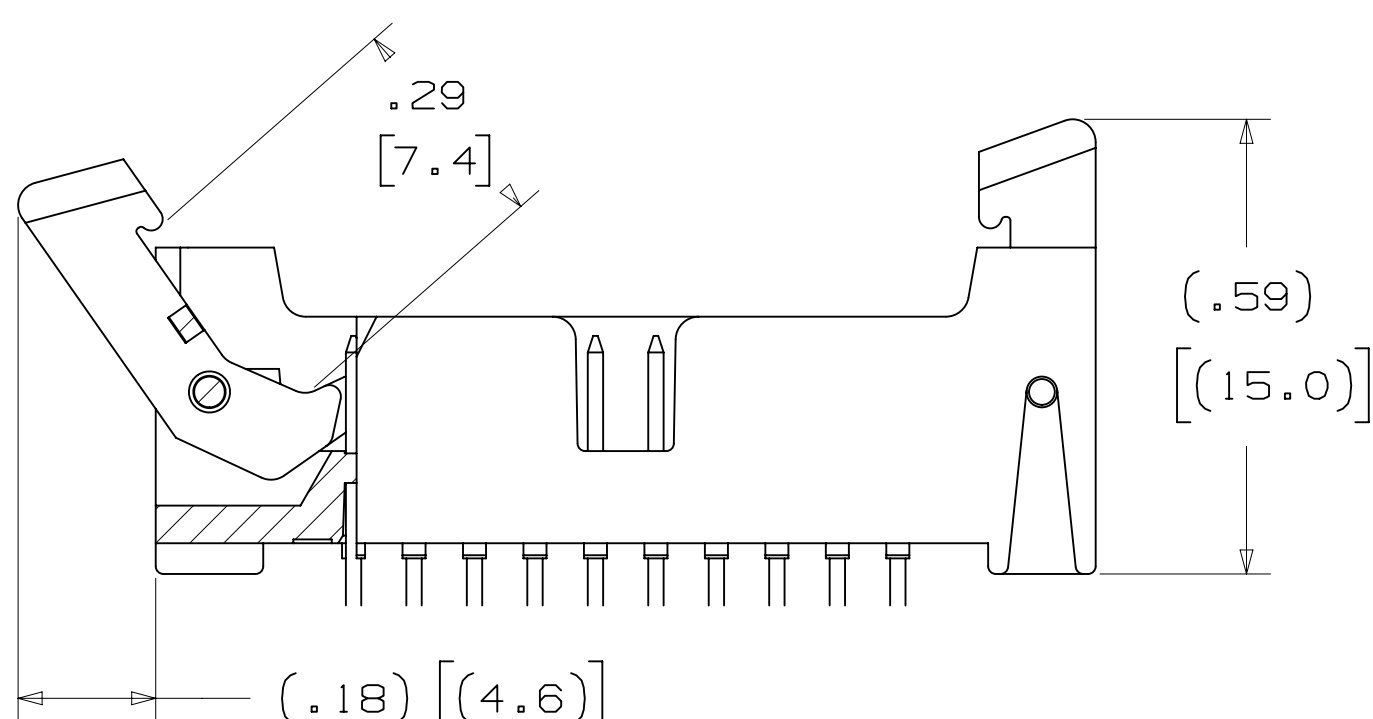


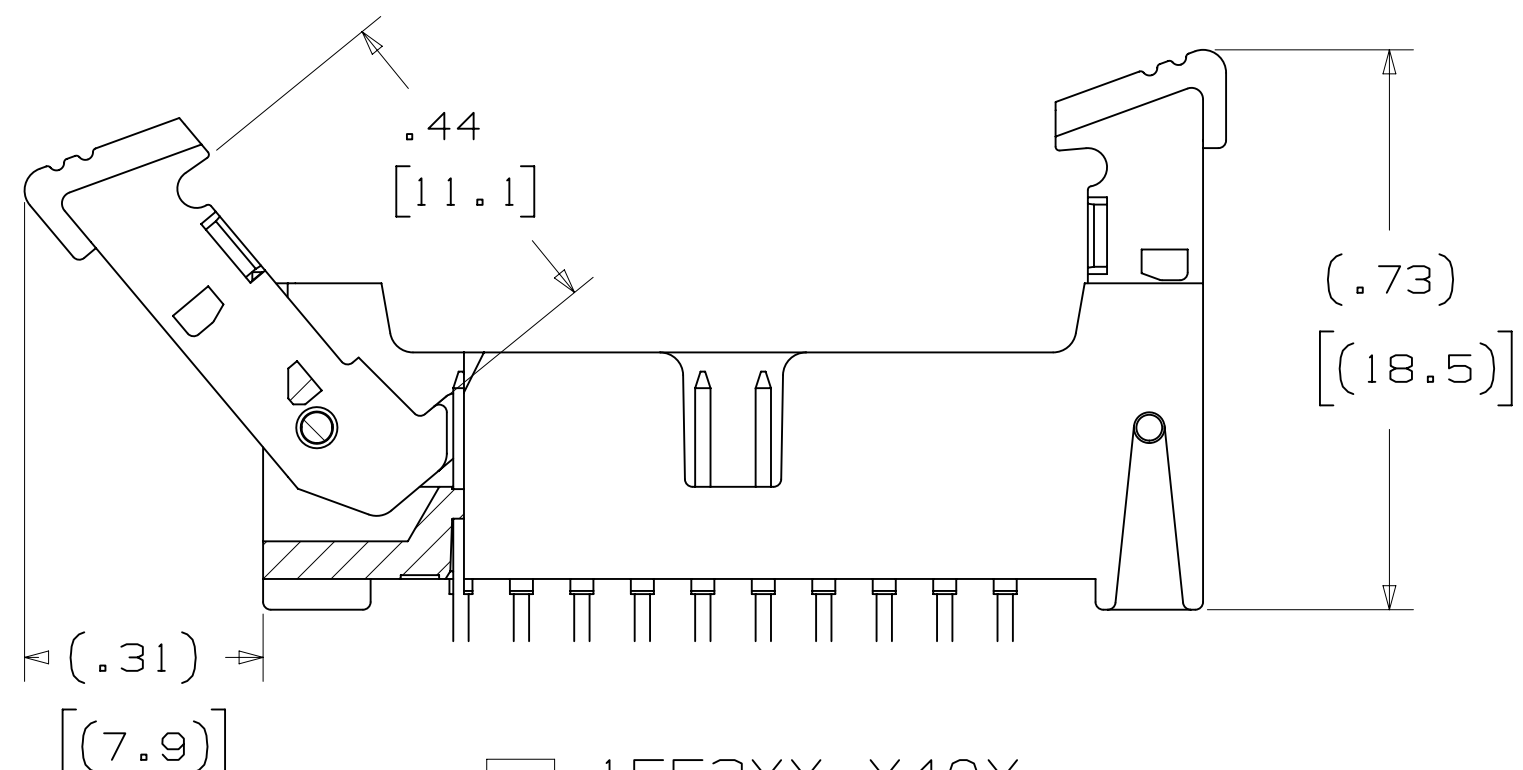
3M™ LATCH/EJECT HEADER, 1552 SERIES
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT



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.

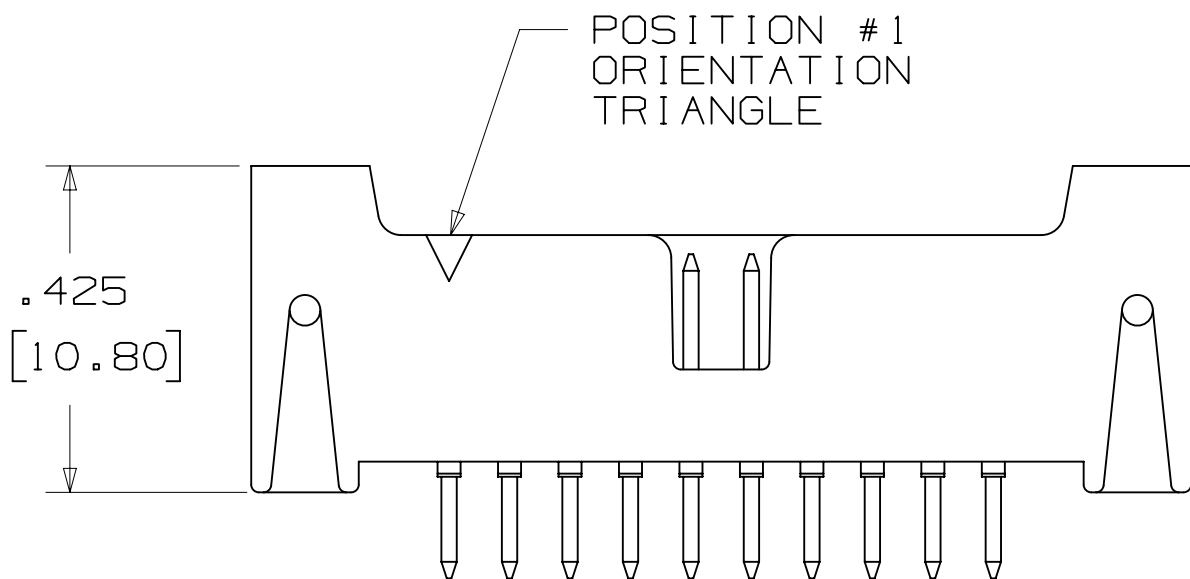
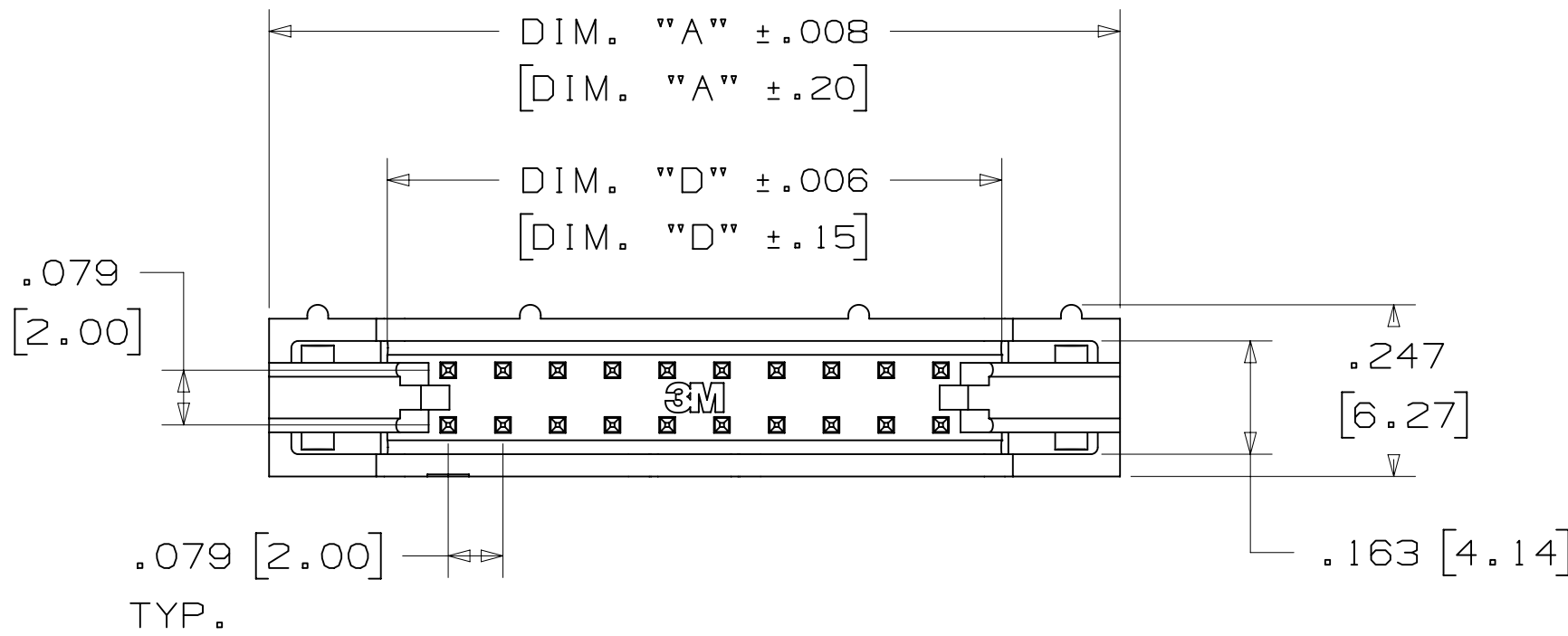
INSULATION RESISTANCE: > 1X10⁹ OHMS AT 500 V_{DC}
WITHSTANDING VOLTAGE (1552XX): 1000 V_{RMS} AT SEA LEVEL
WITHSTANDING VOLTAGE (G1552XX): 750 V_{RMS} AT SEA LEVEL

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]

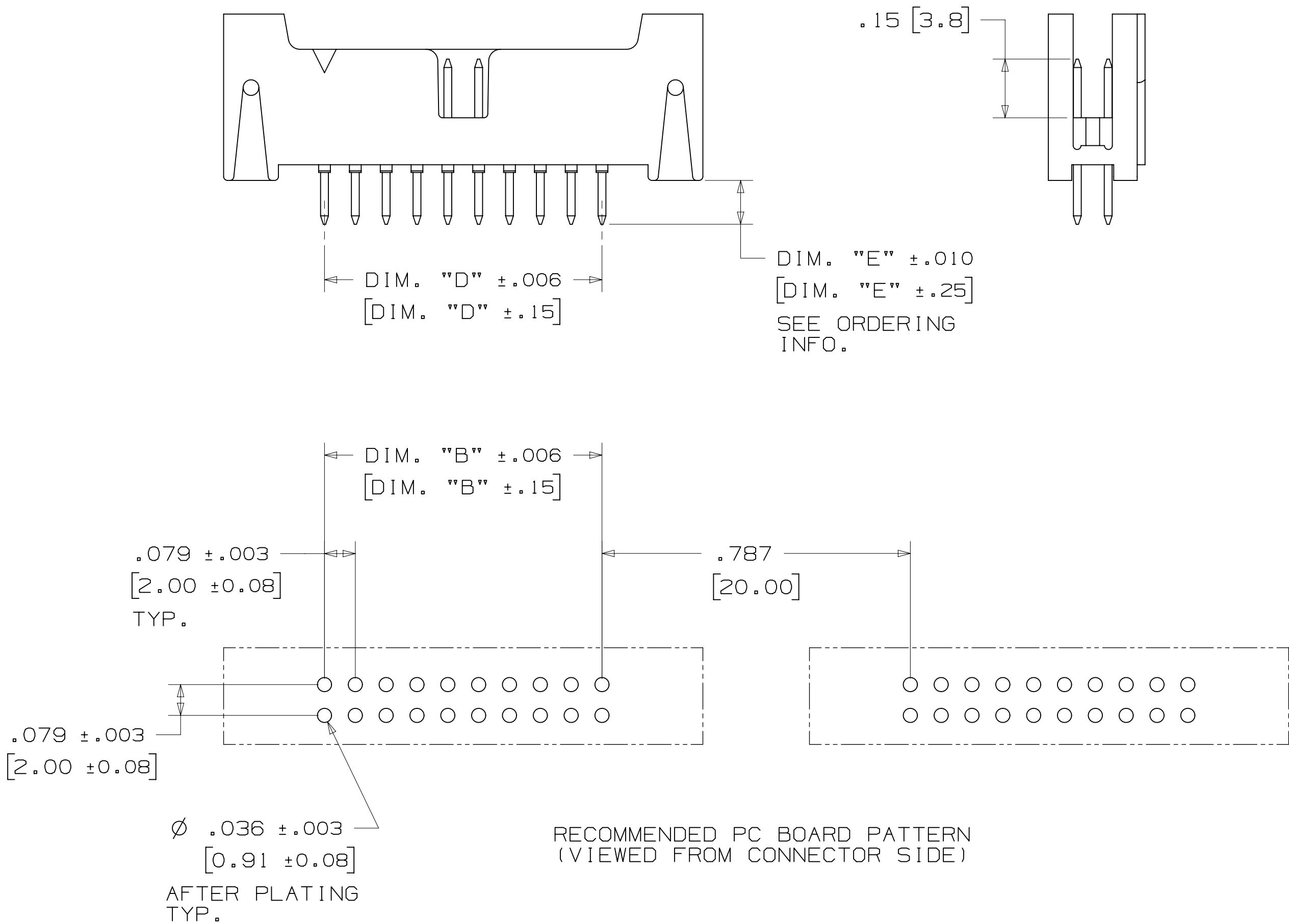
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT	CASTIGLIONE	DATE	JAN 21, 2015	MFG	DATE
				CHKD		DATE		APPR	DATE
								R. SCHERER	JAN 21, 2015
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2017 This document and the information it contains are 3M property and may not be reproduced or further distributed without the 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.					
		EMSD							
DO NOT SCALE DRAWING		SCALE		3M Center St. Paul, MN 55144					
		4							
		1							
		TOLERANCES EXCEPT AS NOTED		3M					
THIRD ANGLE PROJECTION									
INTERPRET PER ASME Y14.5 - 2009		INCHES		TITLE					
		.00 ± .01							
		.000 ± .009							
MAX SURFACE ROUGHNESS		MILLIMETERS		LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT					
✓		0 ± .3							
□ MARKED ONLY		.00 ± .20							
		ANGLES		CAGE NUMBER					
				SIZE					
				DRAWING NO.					
				REV.					
				MODEL					
				1552					
				DET. LISTS					
				YES					
				NO					
				SHT 1 OF 4					

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

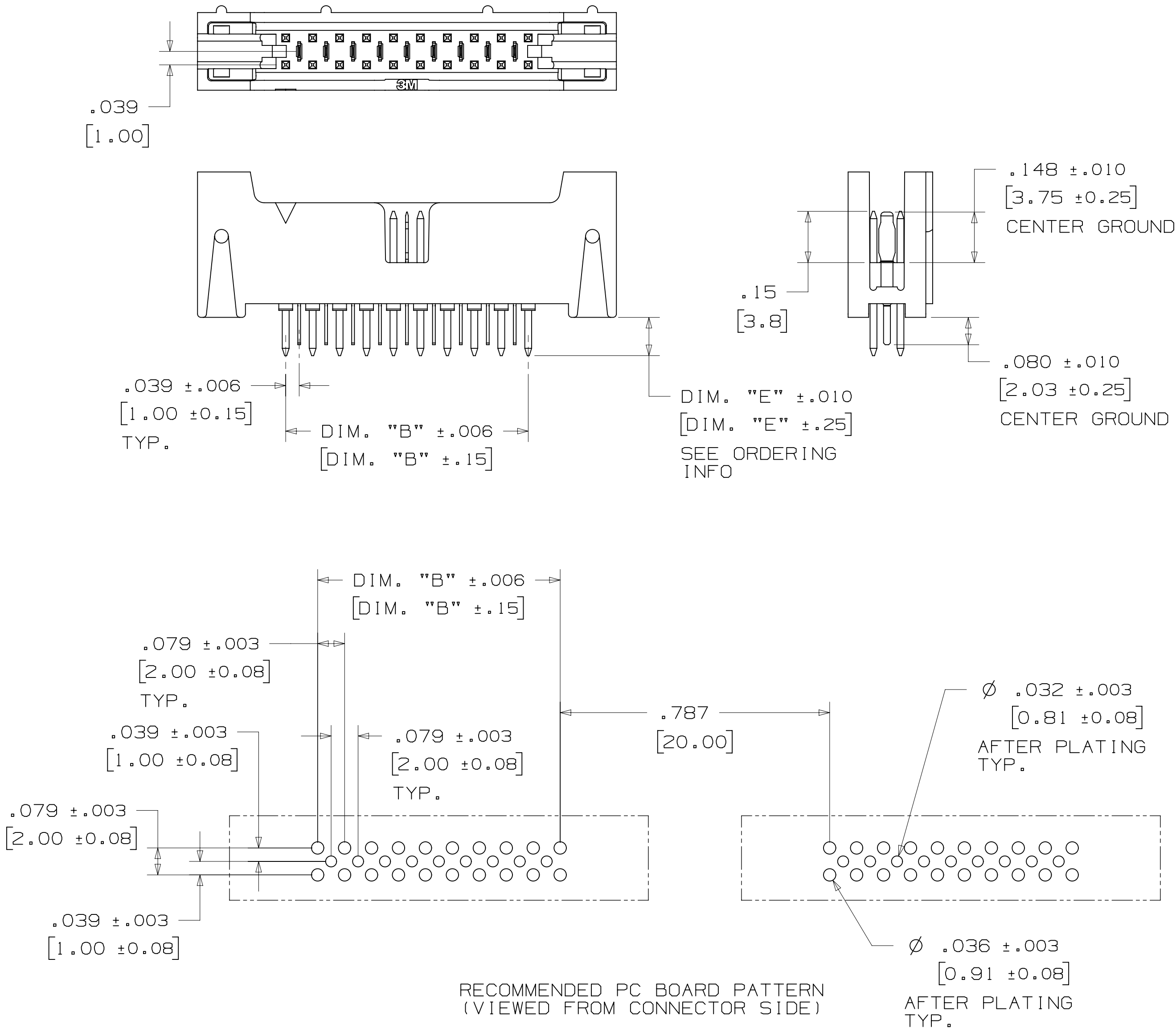
CONTACT QUANTITY: _____

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

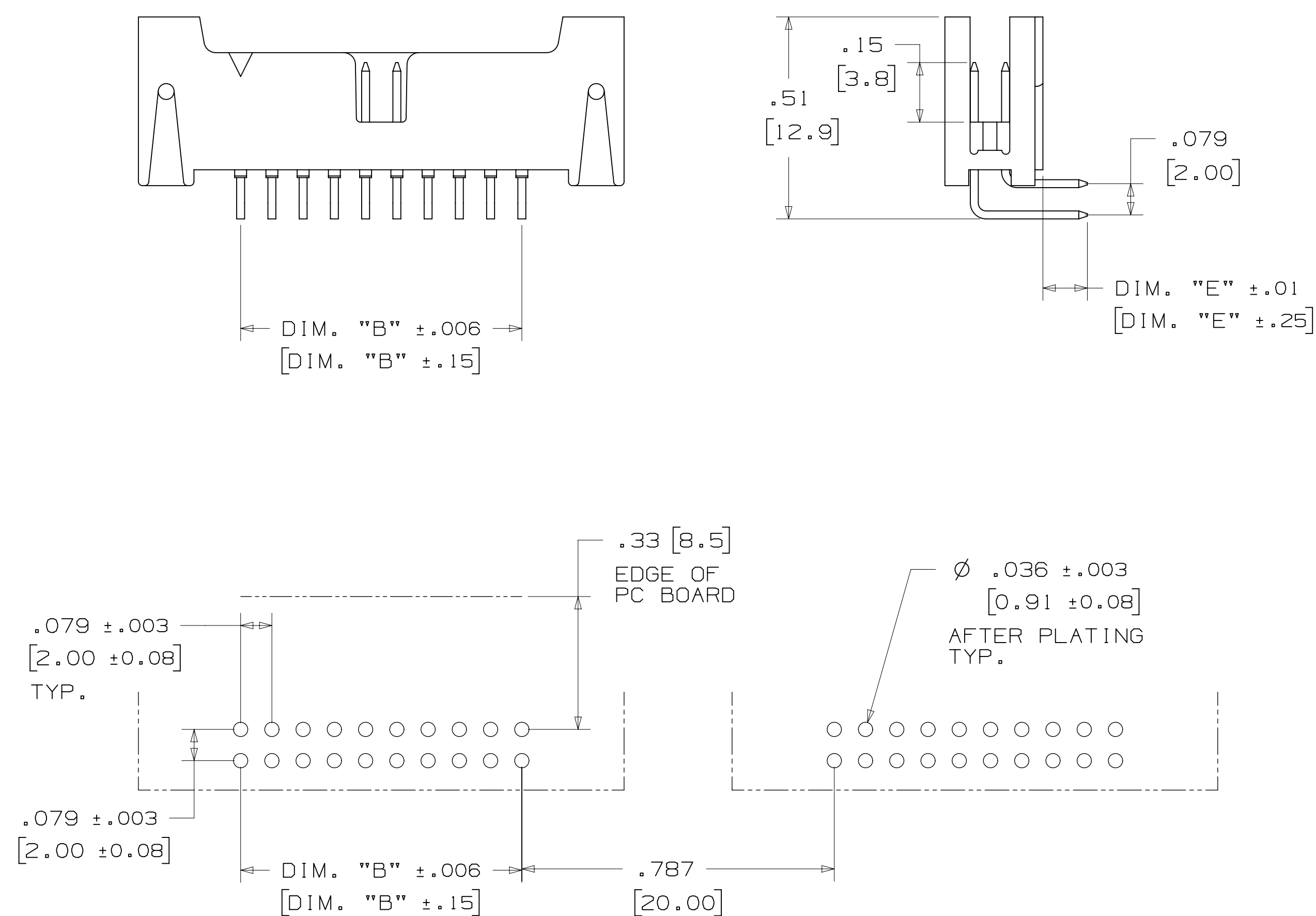
SOLDER TAIL LENGTH: DIMENSION "E"
2 = .112 [2.84]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREFS		XREFS		DATE	DATE	DATE	DATE	DATE	DATE
CASTIGLIONE		CASTIGLIONE		JAN 21, 2015	JAN 21, 2015	JAN 21, 2015	JAN 21, 2015	JAN 21, 2015	JAN 21, 2015
DIVISION		DIVISION CODE		DATE	DATE	DATE	DATE	DATE	DATE
DO NOT SCALE DRAWING		EMSD		DATE	DATE	DATE	DATE	DATE	DATE
THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		DATE	DATE	DATE	DATE	DATE	DATE
INTERPRET PER ASME Y14.5 - 2009		INCHES		DATE	DATE	DATE	DATE	DATE	DATE
MAX SURFACE ROUGHNESS		MILLIMETERS		DATE	DATE	DATE	DATE	DATE	DATE
MARKED ONLY		ANGLES		DATE	DATE	DATE	DATE	DATE	DATE
TITLE		LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT		DATE	DATE	DATE	DATE	DATE	DATE
CAGE NUMBER		DRAWING NO.		DATE	DATE	DATE	DATE	DATE	DATE
D		78-5100-2199-7		DATE	DATE	DATE	DATE	DATE	DATE
MODEL		1552		DATE	DATE	DATE	DATE	DATE	DATE
LISTS		YES		DATE	DATE	DATE	DATE	DATE	DATE
SHT 2 OF 4		SHT 2 OF 4		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



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:

```

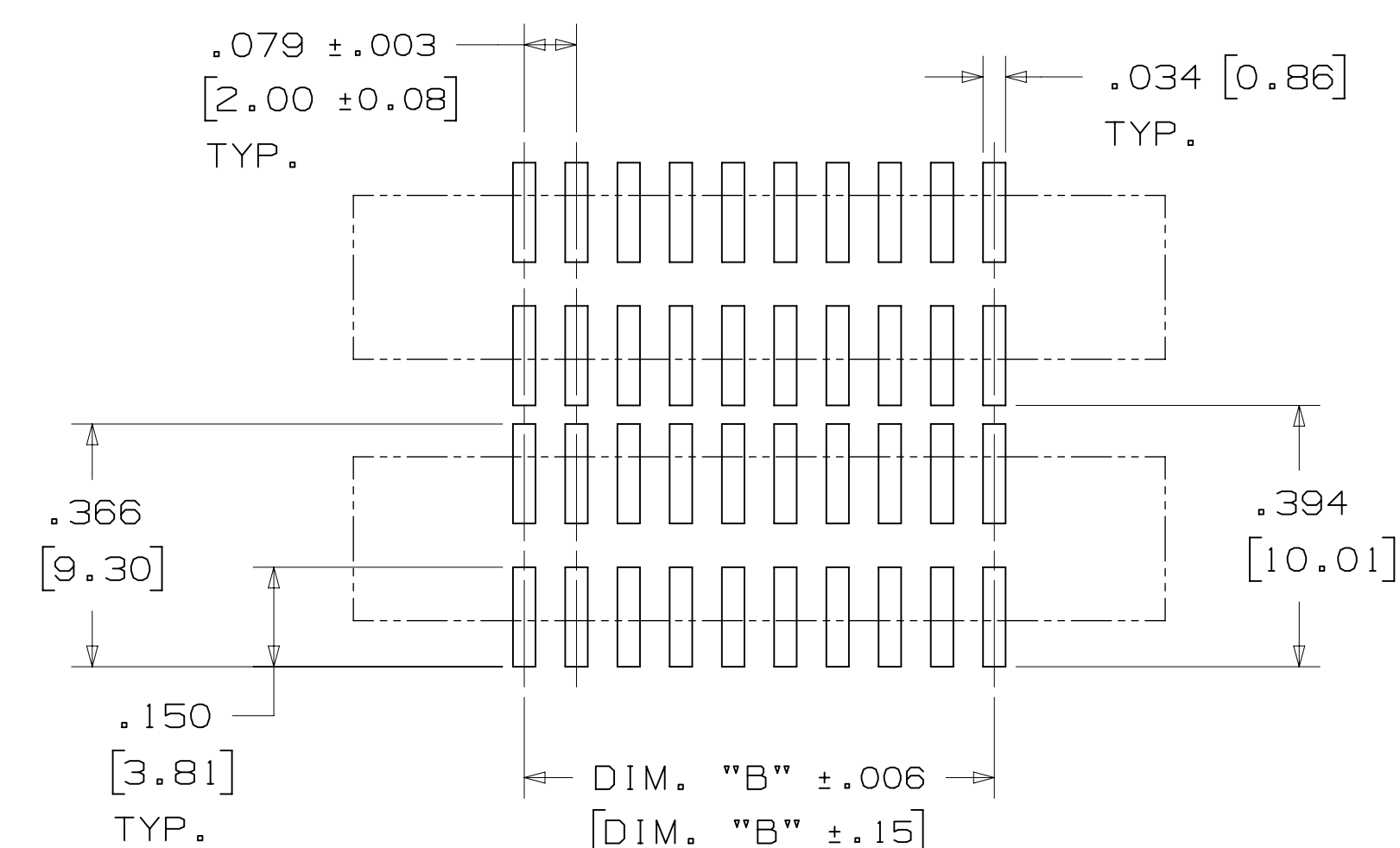
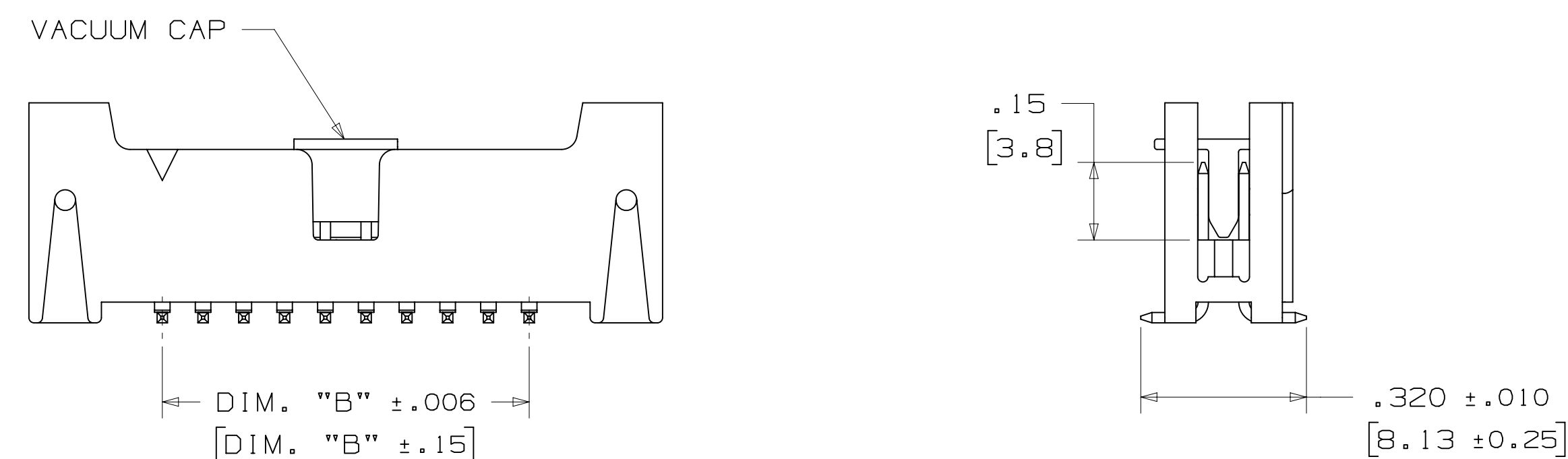
DIMENSION "E"
2 = .112 [ 2.84 ]
3 = .155 [ 3.94 ]

```

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: -

PACKAGING:

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

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

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	DATE	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
ADDRES		REV	C	1	JAN 21, 2015	MPG	DATE
		CHKD		DATE	APPR. R. SCHERER	JAN 21, 2015	
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THIRD ANGLE PROJECTION	INCHES	TITLE					
INTERPRET PER ASME Y14.5 - 2009	MILLIMETERS	LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT					
MAX SURFACE ROUGHNESS	0.0 ± .3	CAGE NUMBER	SIZE	DRAWING NO.	REV.		
MIN SURFACES	0.00 ± .20	D	5100-2199-7	L			
MARKED UNITS	0.00 ±	MODEL	1552	DET.	LISTS ☒ YES ☒ NO SHT 3 OF 4		

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

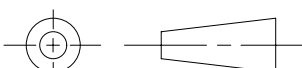
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L		58601		AUG 11, 2016		JNC		RS					
				8-11-16 ADD SHT 4									
				REVISE TRADEMAKE NOTE									
				JUN 01, 2016									
				PRODUCTION RELEASE,									
				APR 29, 2016									
DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ADDRESS CODES				REF. CAST 1GL1ONE		DATE JUN 21, 2015		MFG		DATE			
				CHKD		DATE		APPRVL. R. SCHERER		DATE JAN 21, 2015			
DIVISION		DIVISION CODE		EMSD									
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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 D		SIZE DRAWING NO. 78-5100-2199-7		REV. L			
MAX. SURFACE ROUGHNESS 12.5 ✓ ☐ MARKED ONLY		MAX. SURFACES 12.5 ✓ ☐ MARKED ONLY		ANGLES 1552		MODEL 1552		DET. LISTS YES ☐ NO ☐		SHT 4 OF 4			

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