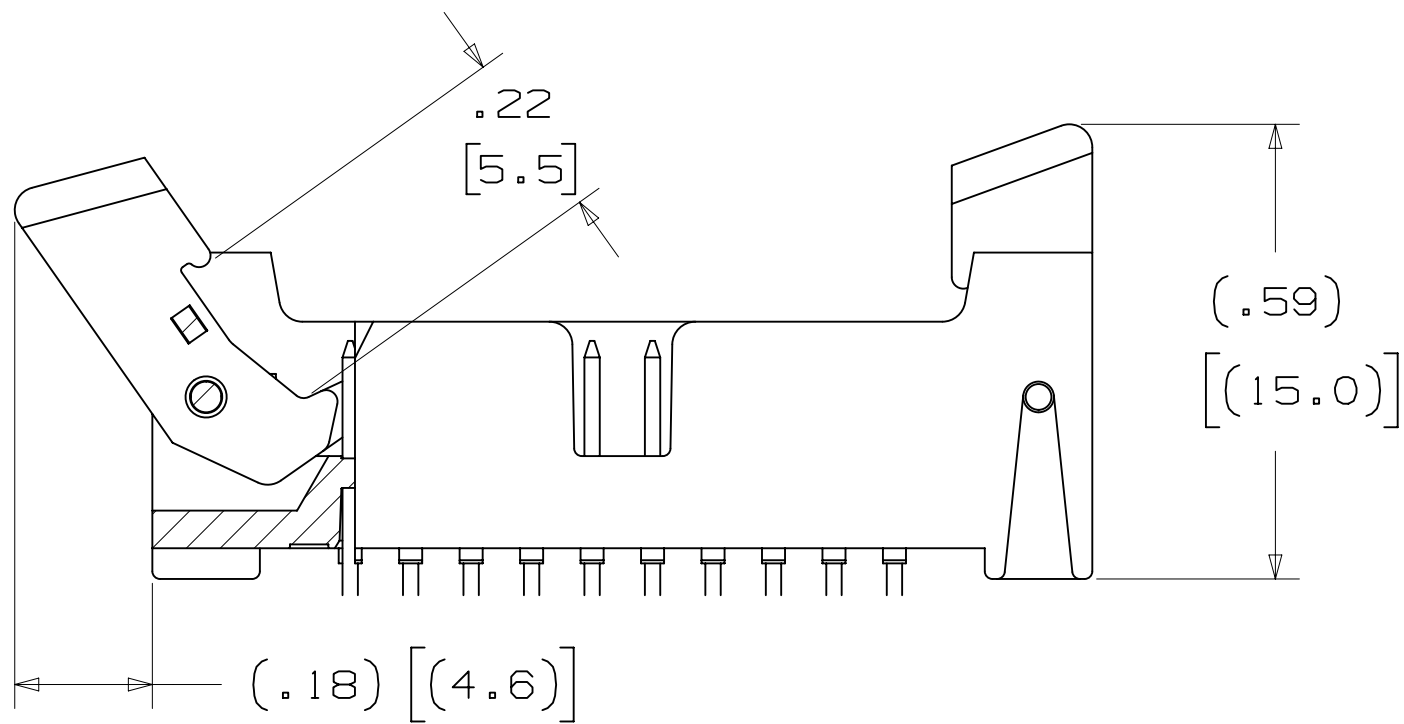
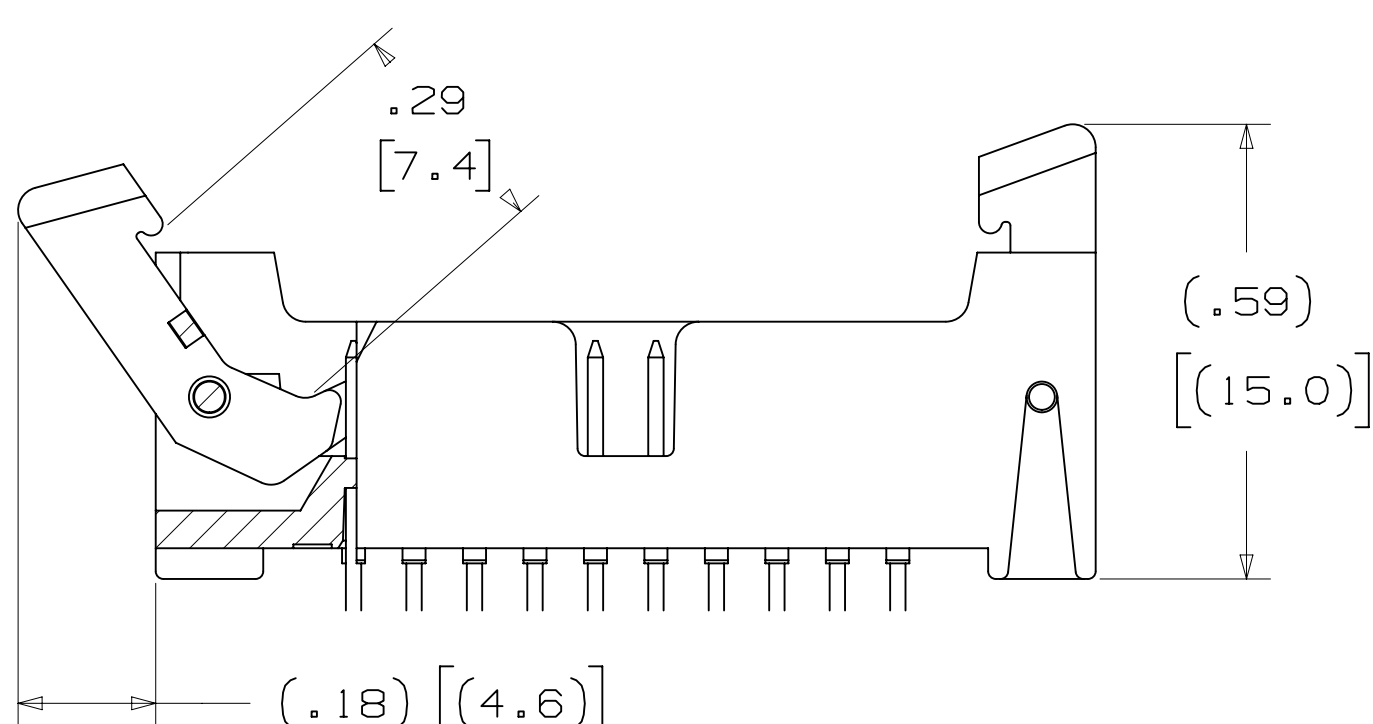


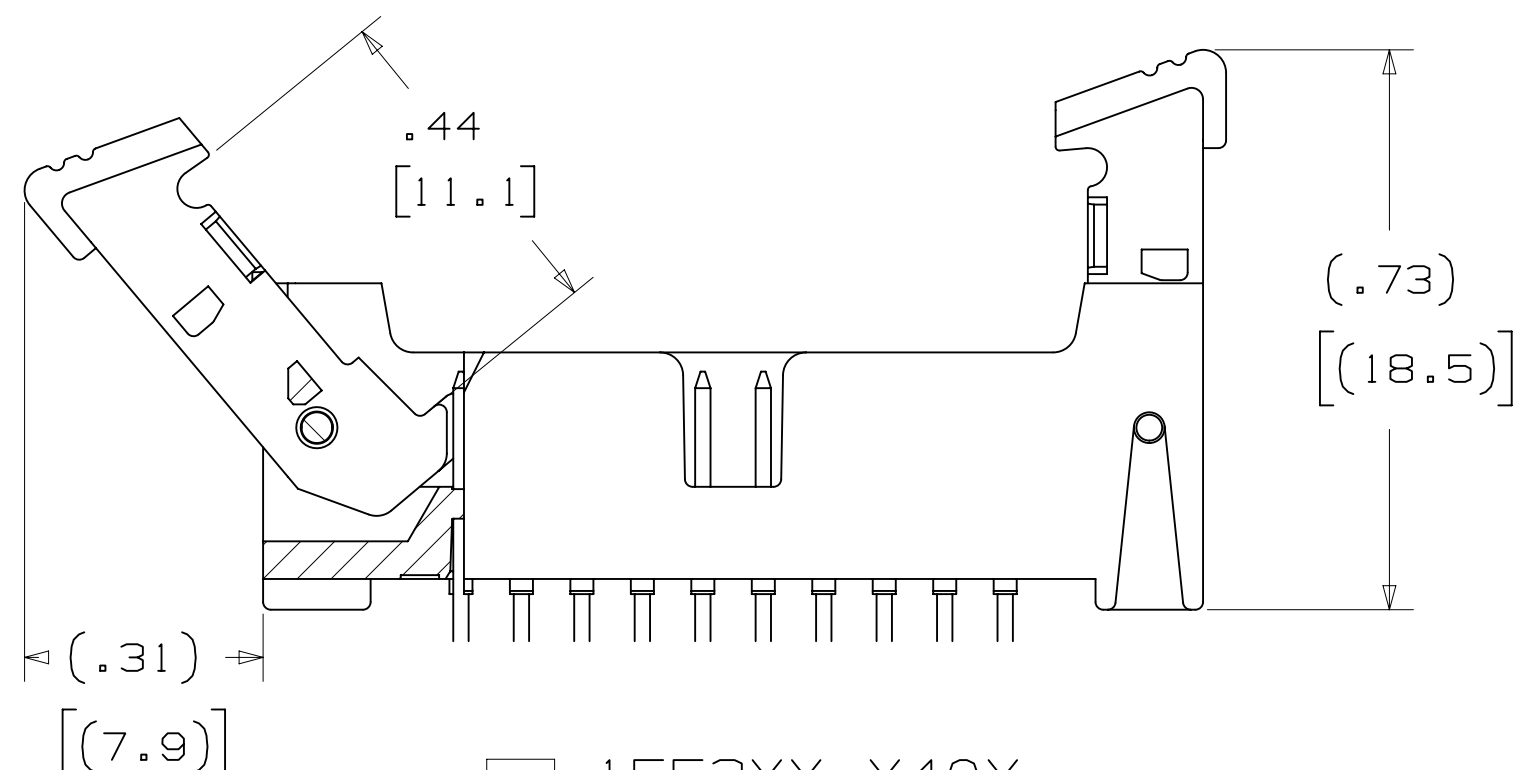
3M™ LATCH/EJECT HEADER, 1552 SERIES
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT



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.

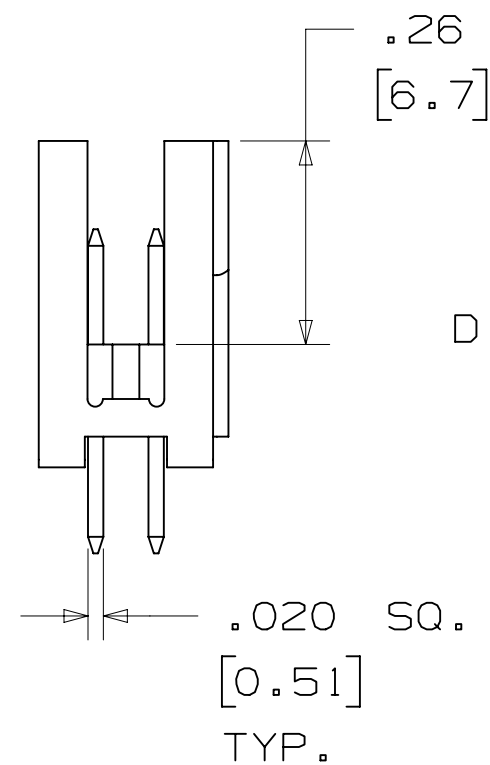
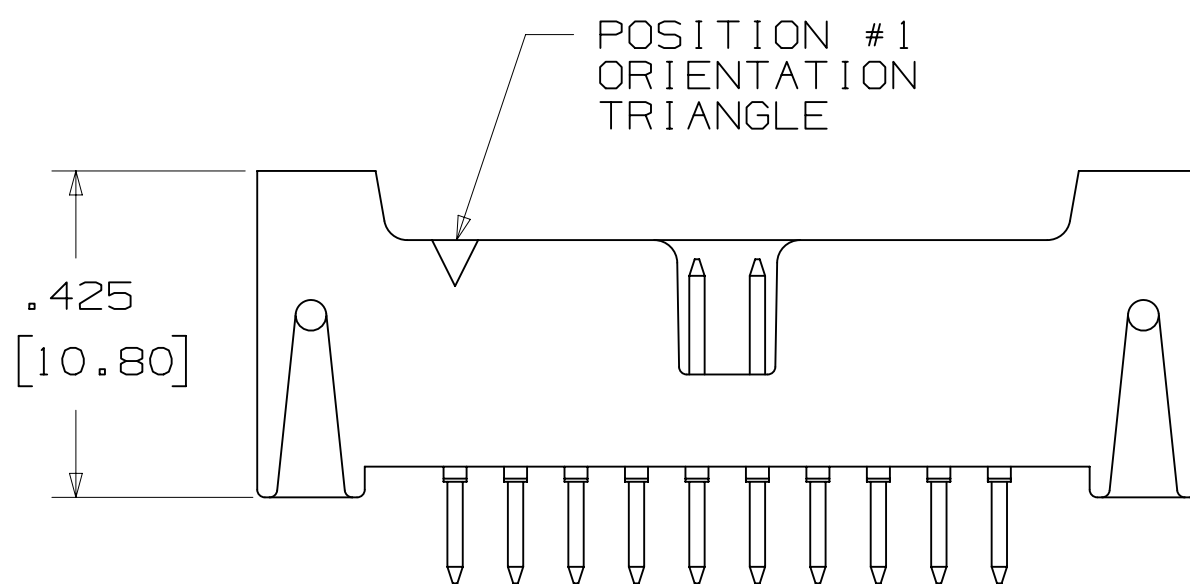
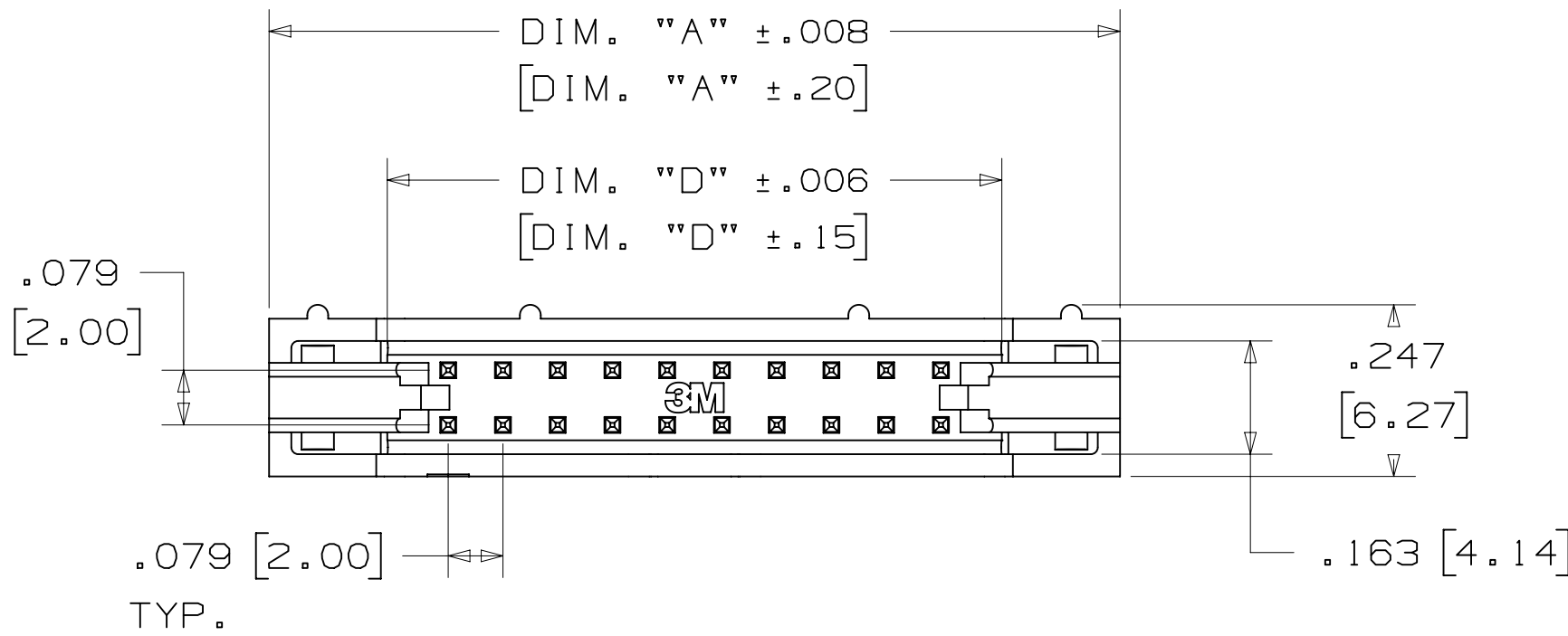
INSULATION RESISTANCE: > 1X10⁹ OHMS AT 500 V_{DC}
WITHSTANDING VOLTAGE (1552XX): 1000 V_{RMS} AT SEA LEVEL
WITHSTANDING VOLTAGE (G1552XX): 750 V_{RMS} AT SEA LEVEL

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



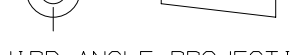
DIMENSIONS: MM [INCHES]

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

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INFORMATION CALL 800-225-5373

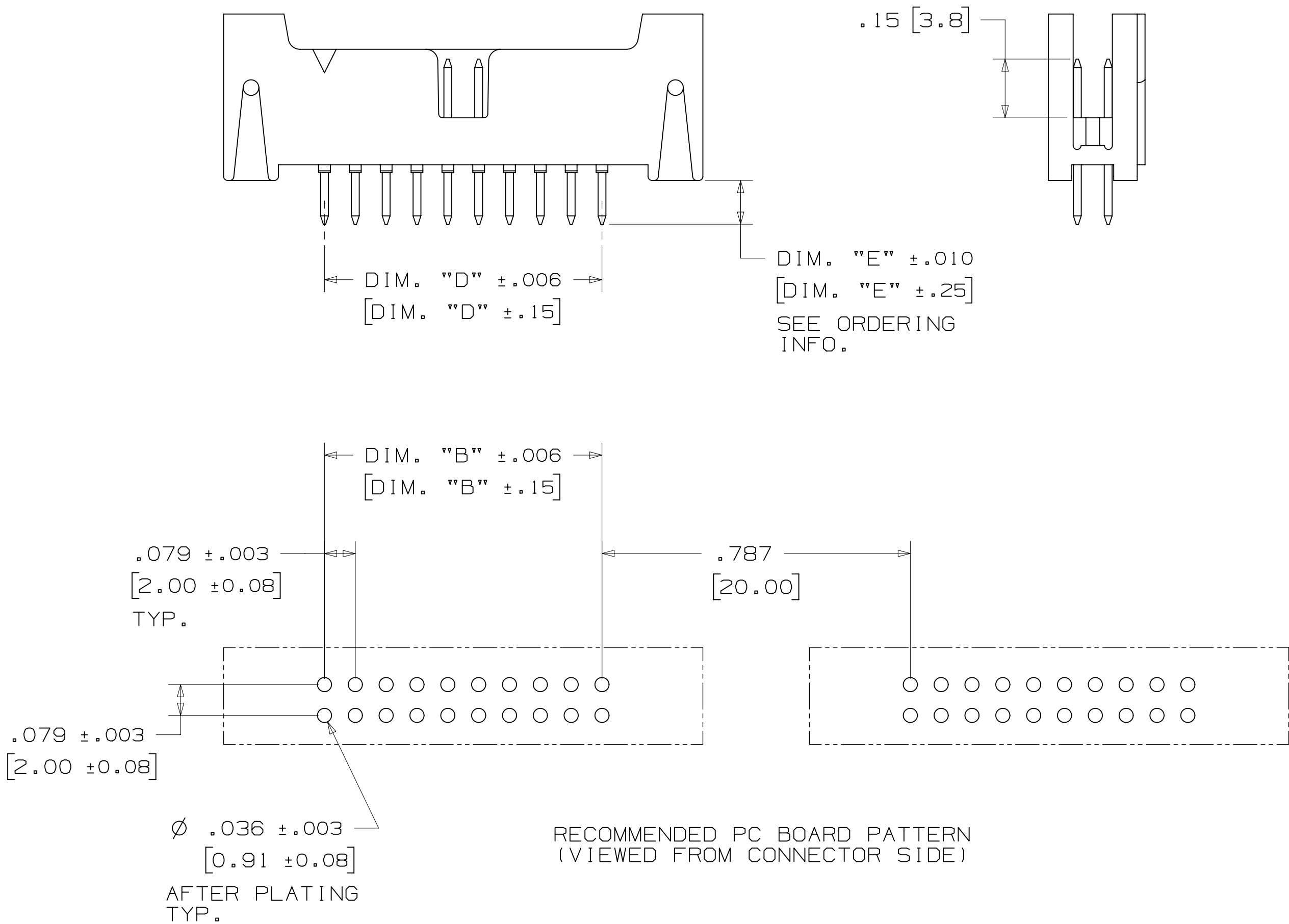
- NOTES
1. MATERIAL:
PLASTIC:
GLASS FILLED POLYESTER (LCP)
UL94V-0, BLACK
CONTACT: COPPER ALLOY.
 2. PLATING:
50μ NICKEL UNDERPLATING
WIPE AREA: SEE ORDERING INFO.
SOLDER TAIL: 200μ MATTE TIN.
 3. IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION TAKES PRECEDENT.
 4. REGULATORY INFORMATION:
VISIT 3M.com/regs OR CONTACT
YOUR 3M REPRESENTATIVE TO FIND
THE RoHS COMPLIANCE STATUS OF
THE 3M PART YOU ARE INTERESTED
IN.
 5. SEE TABLE 1 FOR LATCH
AVAILABILITY.
 6. MATING COMPATIBILITY SERIES:
1522, 870, 2M AND 2MM SCI
CARRIER (93XX).
 7. SURFACE MOUNT VERSION:
ORDER CODE APPLIES TO THE
TAPE AND REEL WIDTH.

- * 14 PIN COUNTS RANGING FROM 06 TO 50 POSITIONS.
- * LATCH/EJECT MECHANISM SECURELY LATCHES TO SOCKET.
- * ROLL PINS RETAIN LATCHES TO BODY IN SHIPPING AND
HIGH VIBRATION ENVIRONMENTS.
- * EJECTOR HELPS MAKE UNMATING OF CABLE ASSEMBLIES
EASIER.
- * HIGH TEMPERATURE INSULATORS SUITABLE FOR LEAD FREE
PROCESSING.
- * ROBUST SYSTEM SOLUTION WHEN USED WITH 3M IDC
WIREMOUNT SOCKETS OR 3M MOLDED CABLE ASSEMBLIES.
- * SMT LATCH/EJECT HEADERS ARE AVAILABLE IN TAPE AND
REEL WITH VACUUM CAP FOR AUTOMATIC PLACEMENT.

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								
		.00 ±								
		.01 ±								
		.000 ±								
		.008 ±								
		.0000 ±								
THIRD ANGLE PROJECTION		MILLIMETERS								
		0 ±								
		.1 ±								
		.2 ±								
		.000 ±								
		.00 ±								
		.000 ±								
MAX SURFACE ROUGHNESS		SIZE		DRAWING NO.		CAGE NUMBER		REV.		
✓		D		78-500-2199-7		L				
□ MARKED ONLY		ANGLES		MODEL		1552		DET. LISTS		YES X 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

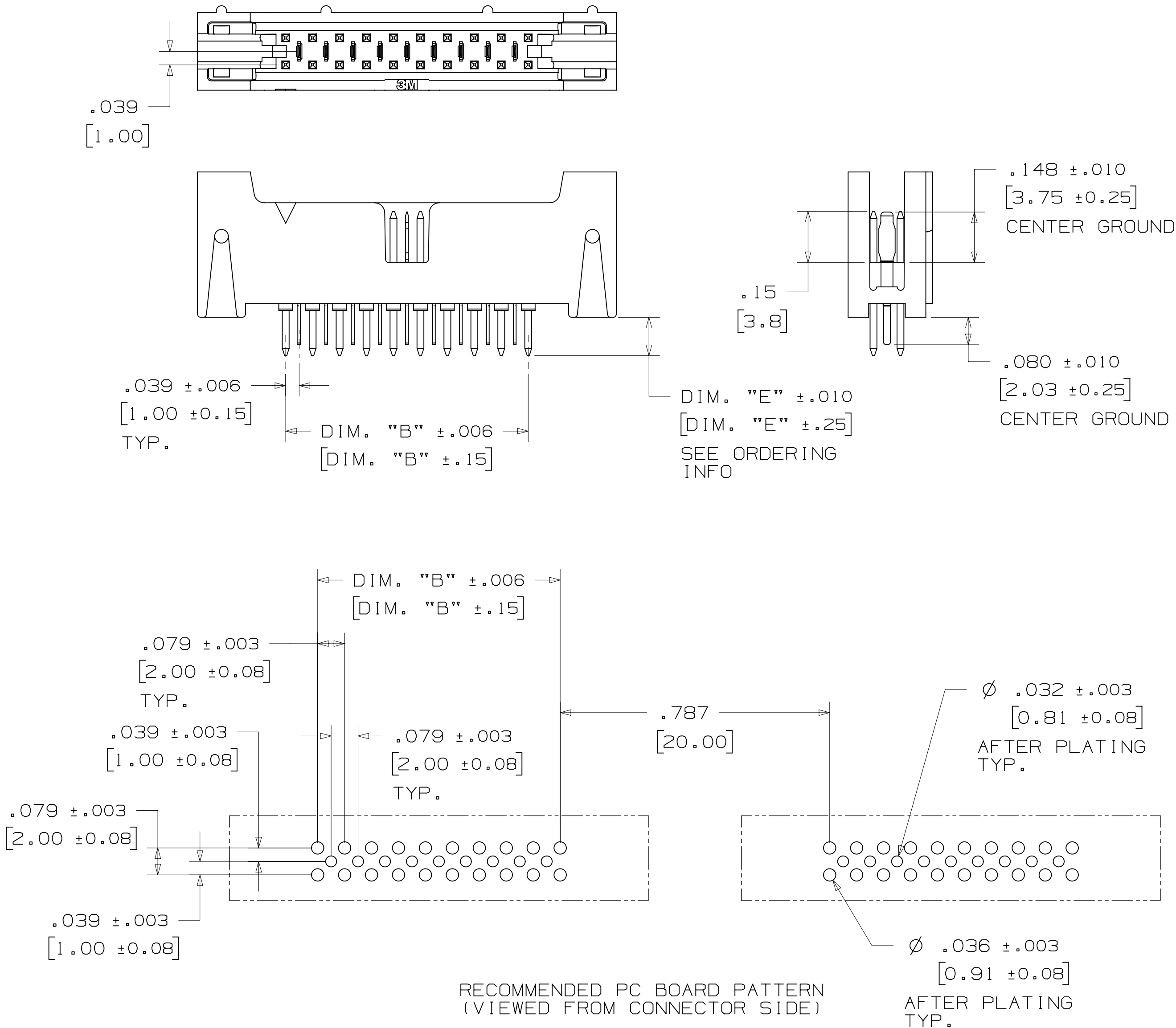
CONTACT QUANTITY: _____

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		INTERPRET PER ASME Y14.5 - 2009		INCHES					
				.0 ±.01					
				.000 ±.008					
MAX SURFACE ROUGHNESS		SURFACES		MILLIMETERS					
				0 ±.3					
				.00 ±.20					
MARKED ONLY		ANGLES		CAGE NUMBER					
				D 78-5100-2199-7					
				MODEL 1552					
				LISTS YES NO SHT 2 OF 4					

L 58601

AUG 11, 2016
8-11-16 ADD SHT 4
REVISE TRADEMAKE NOTE
JUN 01, 2016
PRODUCTION RELEASE,
APR 29, 2016

JNC RS

3M

3M Center
St. Paul,
MN 55144

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TITLE

LATCH/EJECT HEADER,
2MM, STRAIGHT, RIGHT
ANGLE & SMT

CAGE NUMBER

D 78-5100-2199-7

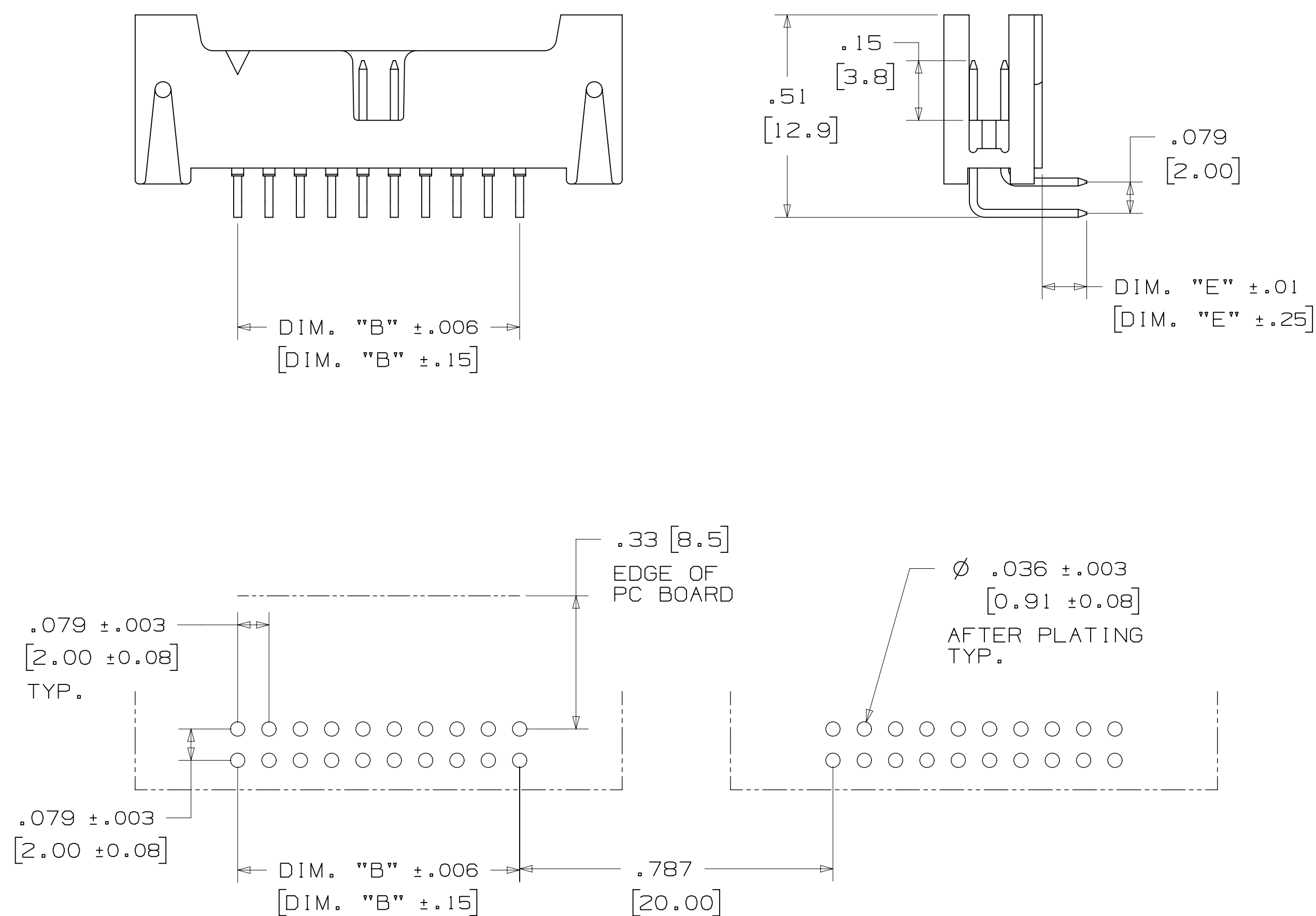
REV.

L

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

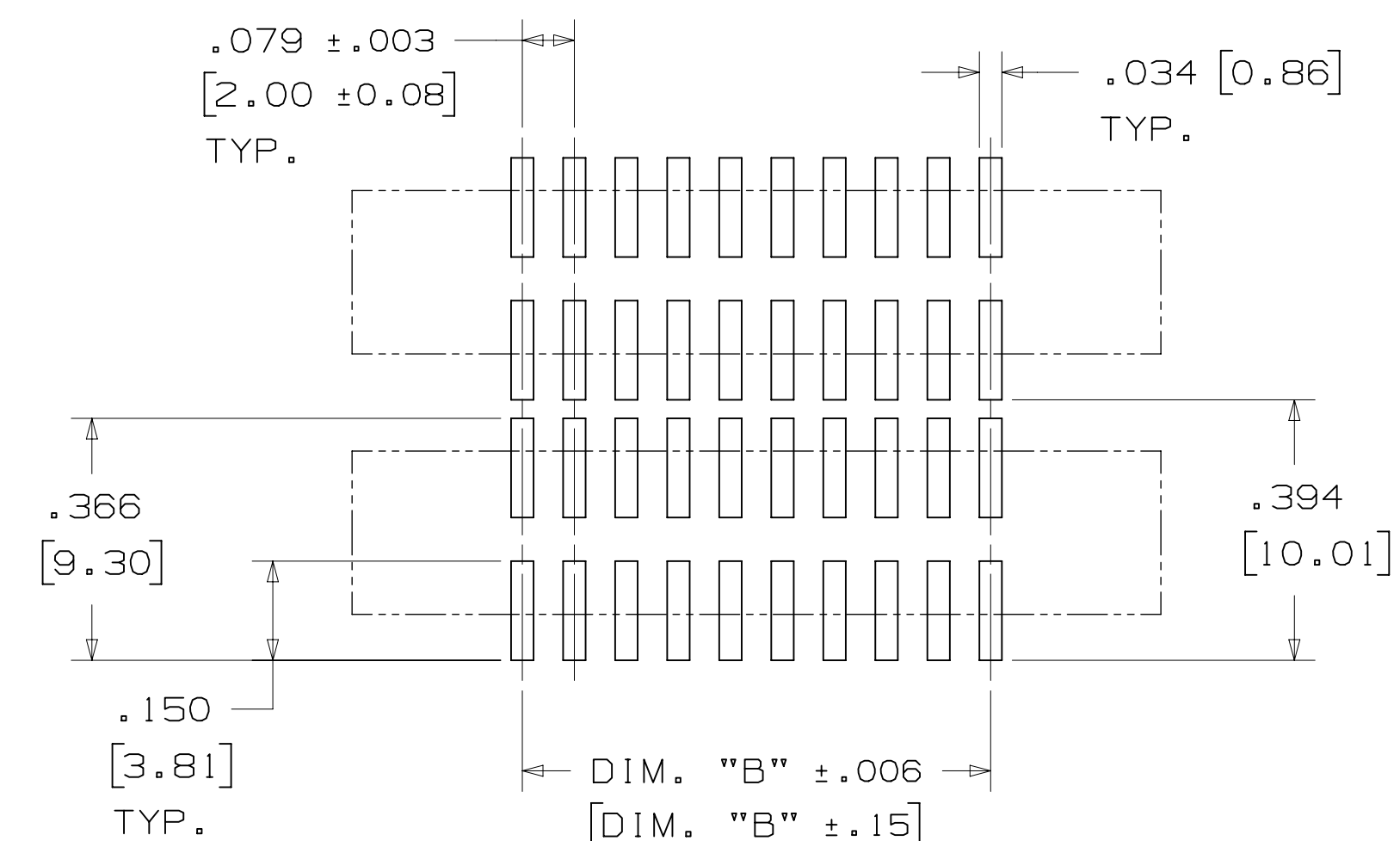
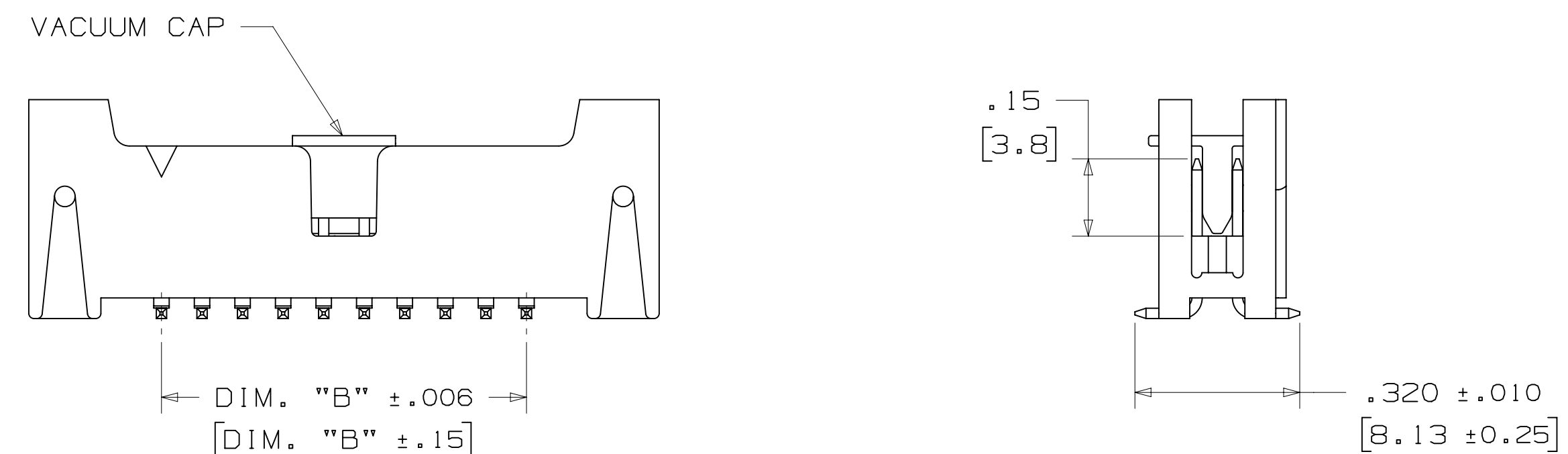
PLATING OPTIONS:
RB = 30 μ IN [.76 μ m] GOLD
RA = 10 μ IN [.25 μ m] GOLD
(RIA E1 & C1 APPLY) FOR
BOTH PLATINGS

- 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: _____

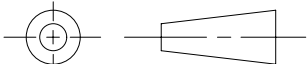
2 = LATCH, MOLDED-ON SOCKET WITH
LATCHING EARS, SERIES: 870, 2MM

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		DRAFT	CHKD
ADDRESS 00000				PART CASTIGLIONE		DATE JAN 21, 2015		APPROV. R. SCHERER	DATE JAN 21, 2015
DIVISION		DIVISION CODE EM50		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.			
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED SCALE 1 4		TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT		CAGE NUMBER D		DRAWING NO. 5100-2199-7	
THIRD ANGLE PROJECTION 		INCHES .00 ± .00 ± .01 .000 ± .00B .0000 ±		MILLIMETERS 0 ± 0 ± .3 .00 ± .20 .000 ±		SIZE 1552		REV. L	
~~MAX. SURFACE ROUGHNESS~~  ~~MAX. SURFACES~~ ☒ MARKED ONLY		ANGLE		MODEL		DET. ☐ YES ☒ NO		SHT 3 OF 4	

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5

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

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6

5

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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

3M

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TITLE

LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT

CAGE NUMBER

SIZE

DRAWING NO.

REV.

MODEL

1552

DET

ISTS

YES

NO

SHT 4 OF 4

78-5100-2199-7

DRAWING NUMBER

1

REVISION

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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.