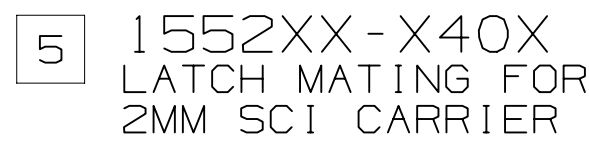
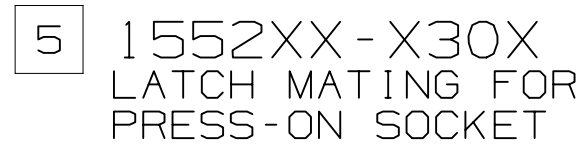
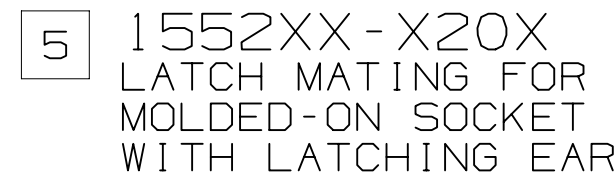


2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT



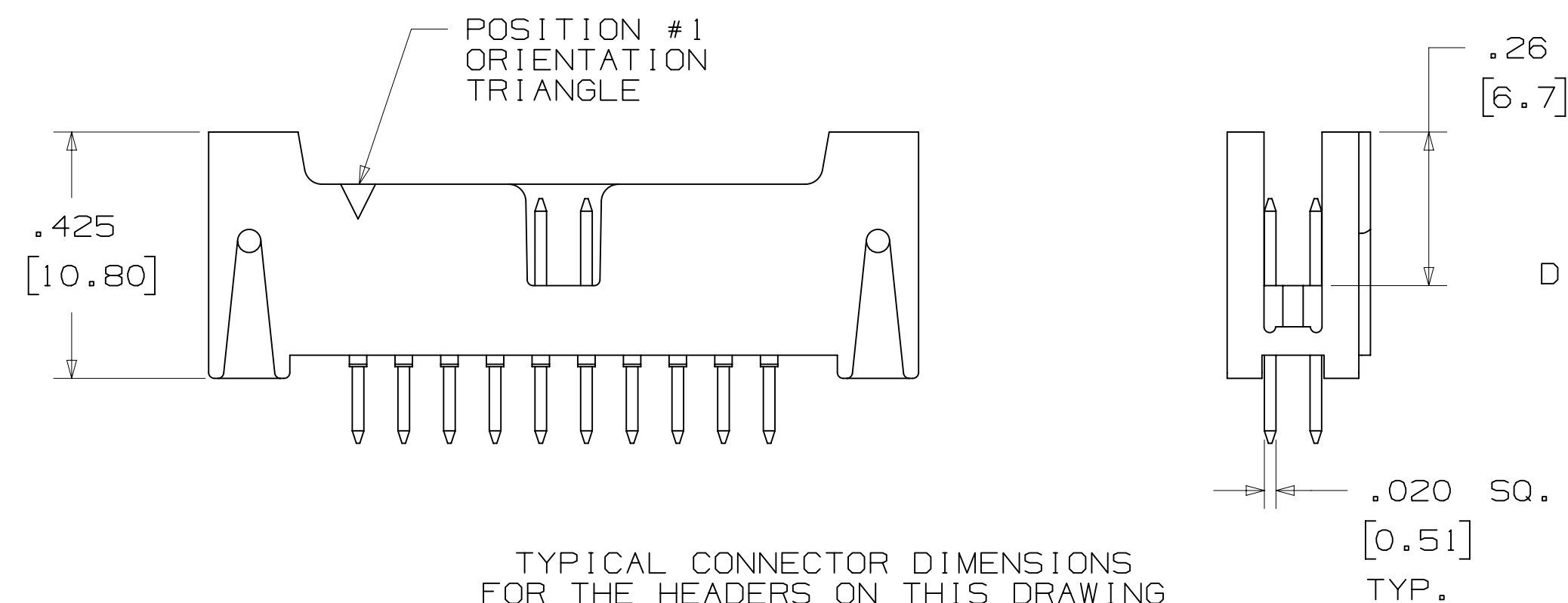
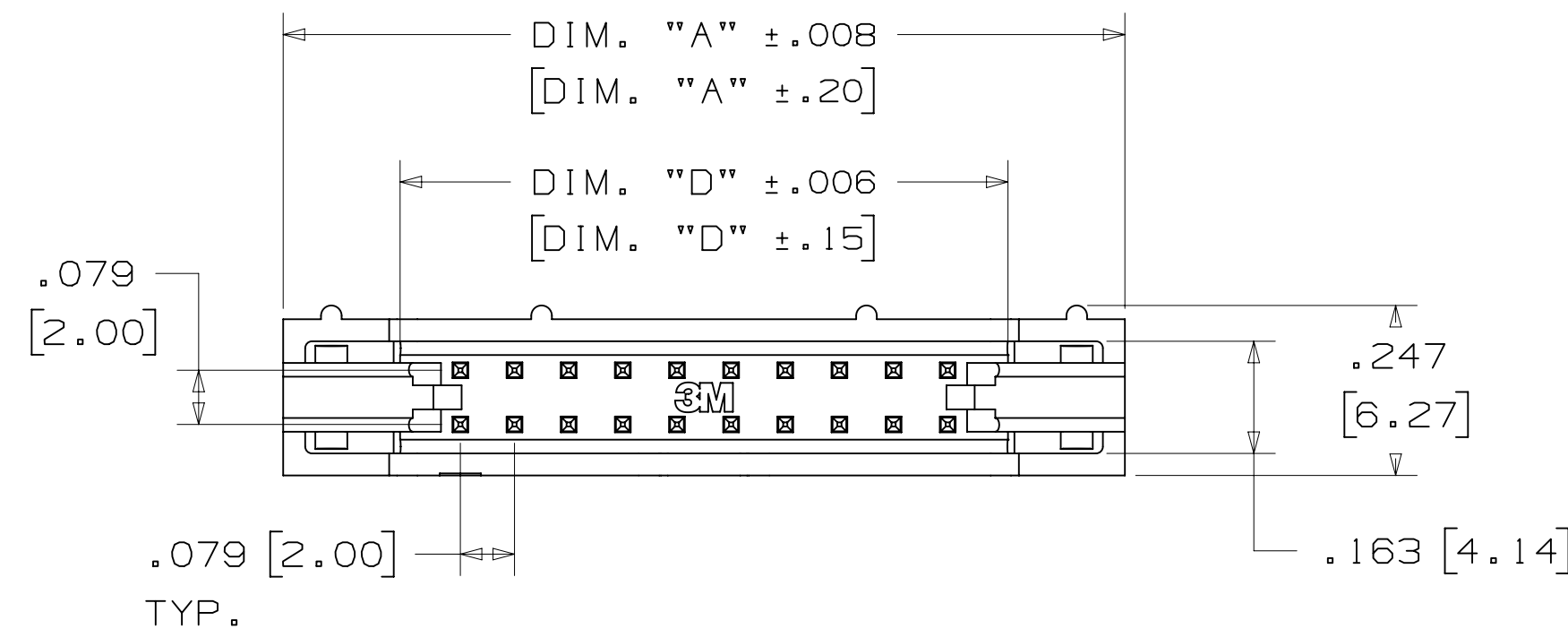
- * 14 PIN COUNTS RANGING FROM 06 TO 50 POSITIONS.
- * LATCH/EJECT MECHANISM SECURELY LATCHES TO SOCKET.
- * ROLL PINS RETAIN LATCHES TO BODY IN SHIPPING AND HIGH VIBRATION ENVIRONMENTS.
- * EJECTOR HELPS MAKE UNMATING OF CABLE ASSEMBLIES EASIER.
- * HIGH TEMPERATURE INSULATORS SUITABLE FOR LEAD FREE 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.

CURRENT RATING: 4.75A, 1 LINE POWERED
2.00A, 6 ADJACENT LINES POWERED
1.25A, ALL LINES POWERED

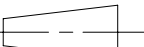
RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM TEMPERATURE
RISE, 20% DERATED. REFERENCE APPROPRIATE 3M PRODUCT
SPECIFICATION FOR DETAILED CURRENT DERATING CURVES.

INSULATION RESISTANCE: $> 1 \times 10^9$ OHMS AT 500 V_{DC}
WITHSTANDING VOLTAGE (1552XX): 1000 V_{RMS} AT SEA LEVEL
WITHSTANDING VOLTAGE (G1552XX): 750 V_{RMS} AT SEA LEVEL

TEMPERATURE RATING: -55°C TO +105°C
PROCESS RATING: MAXIMUM 260°C (PER J-STD-020)
E SENSITIVITY LEVEL: 1 (PER J-STD-020)

7

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ACCESS CODES				DRFT CASTIGLIONE		DATE JAN 21, 2015		MFG		DATE			
				CHKD		DATE		APRVL R. SCHERER		DATE JAN 21, 2015			
DIVISION				DIVISION CODE				© 3M COPYRIGHT 2017					
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DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED									
				INCHES									
				.00 ± .00 ± .01 .000 ± .008 .0000 ±		TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT							
THIRD ANGLE PROJECTION				MILLIMETERS				CAGE NUMBER		SIZE DRAWING NO.		REV.	
INTERPRET PER ASME Y14.5 - 2009				0 .0 ± .3 .00 ± .20 .000 ±				D 78-5100-2199-7		L			
~~MAX SURFACE ROUGHNESS~~ ~~✓~~ ☐ ALL SURFACES ☒ SURF ONLY				~~ANGLES~~				MODEL 1552		DET LISTS ☐ YES ☒ NO		SHT 1 OF 4	

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

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

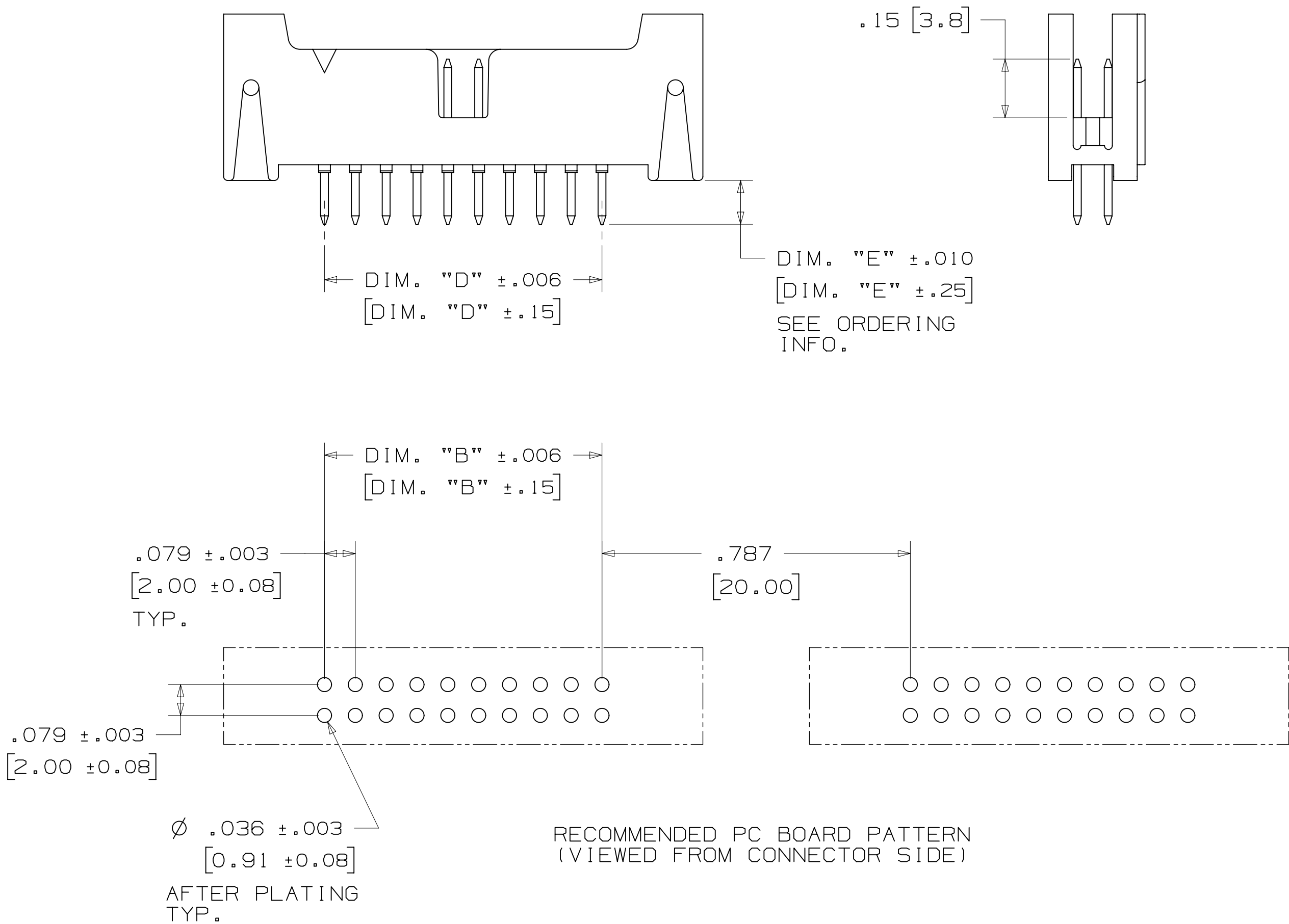
1. MATERIAL:
PLASTIC:
GLASS FILLED POLYESTER (LCP)
UL94V-0, BLACK
CONTACT: COPPER ALLOY.
2. PLATING:
50 μ NICKEL UNDERPLATING
WIPE AREA: SEE ORDERING INFO.
SOLDER TAIL: 200 μ MATTE TIN.
3. IN THE EVENT OF CONFLICT
CONTAINED IN THE DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION 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 SC1
CARRIER (93XX).
7. SURFACE MOUNT VERSION:
ORDER CODE APPLIES TO THE
TAPE AND REEL WIDTH.

78-5100-2199-7	L
DRAWING NUMBER	REVISION

$$A$$

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

STRAIGHT VERSION



ORDERING INFORMATION
1552XX-6X0X-XX

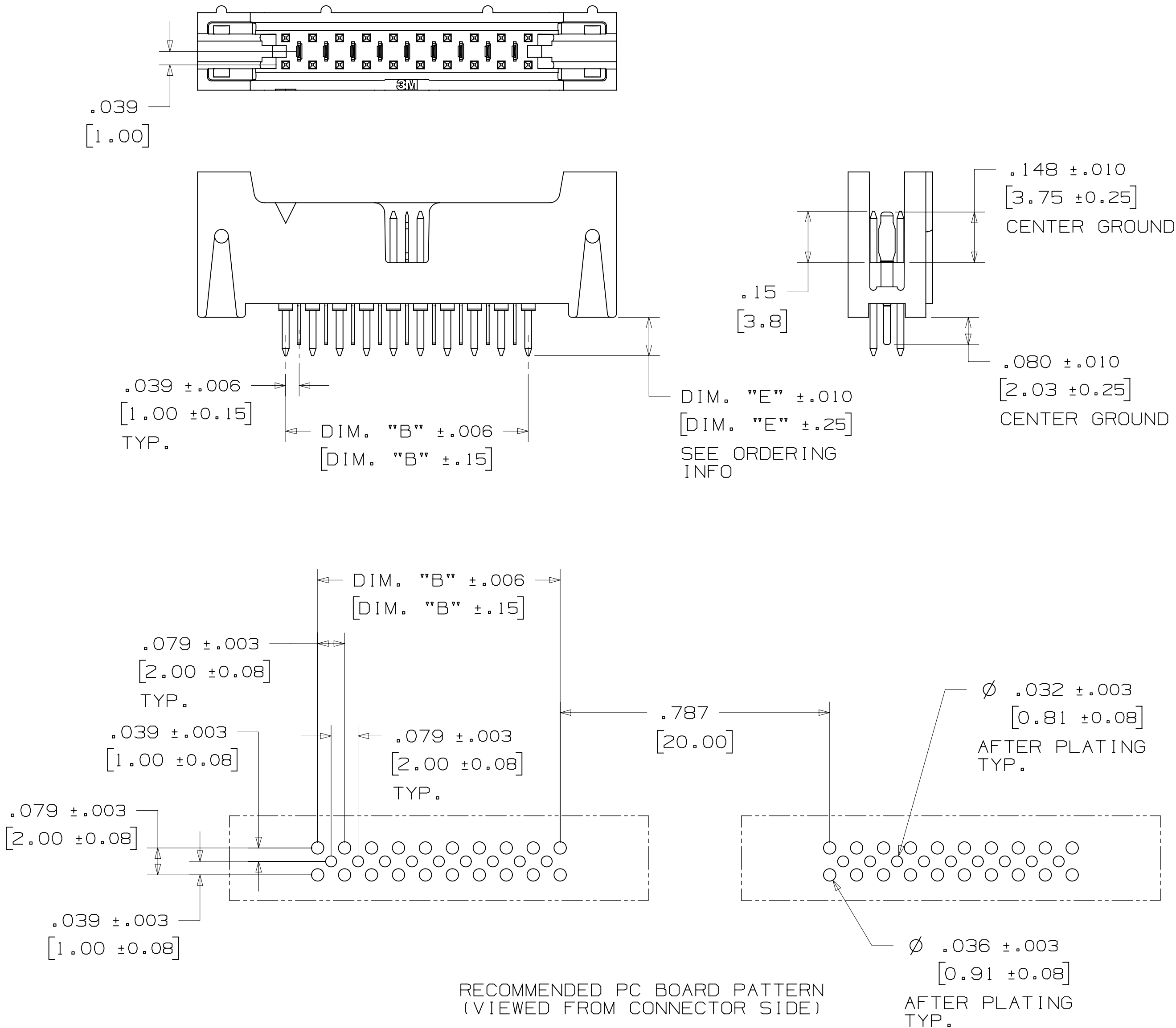
CONTACT QUANTITY: _____

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



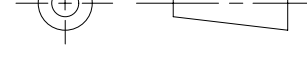
ORDERING INFORMATION
G1552XX-6X0X-XX

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

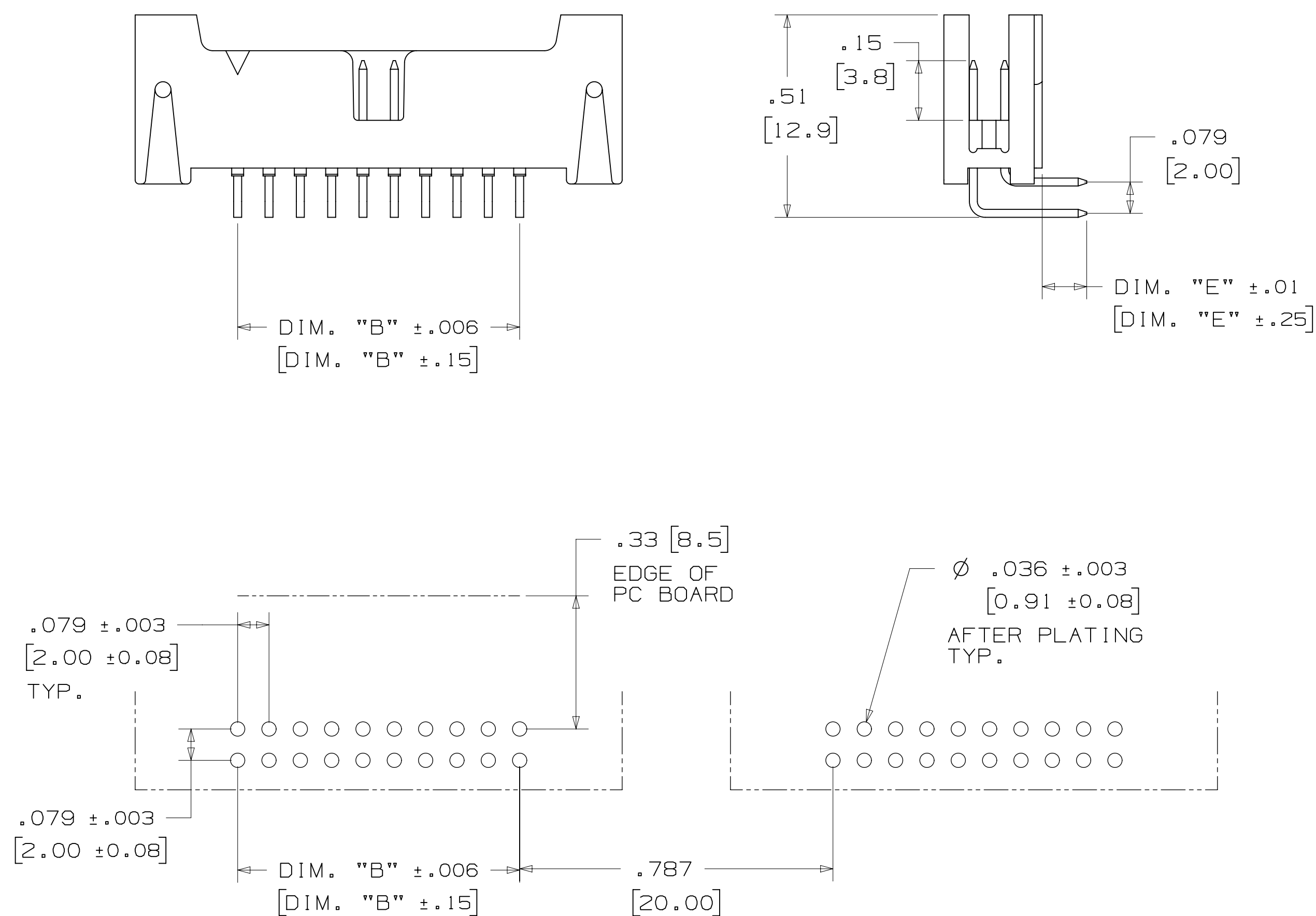
SOLDER TAIL LENGTH: DIMENSION "E"
2 = .112 [2.84]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
~~ACCESS CODES~~		<del></del>		<del></del>	<del></del>	DRFT	CASTIGLIONE	DATE	MFG
<del></del>		<del></del>		<del></del>	<del></del>	DATE	JAN 21, 2015	DATE	
<del></del>		<del></del>		<del></del>	<del></del>	CHKD		DATE	APPR
<del></del>		<del></del>		<del></del>	<del></del>			JAN 21, 2015	BY: SCHERER
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2017					
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DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		3M 3M Center St. Paul, MN 55144			
		INCHES .00 ± .01 .000 ± .008 .0000 ± .0001		MILLIMETERS 0 ± .3 .00 ± .20 .000 ± .0005		TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT			
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS 1.6		CAGE NUMBER D 78-5100-2199-7			
✓ UNMARKED SURFACES		✓ MARKED ONLY		ANGLES 30 ± 1.5 45 ± 1.5 60 ± 1.5 90 ± 1.5 120 ± 1.5 135 ± 1.5 150 ± 1.5 180 ± 1.5		REV. 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

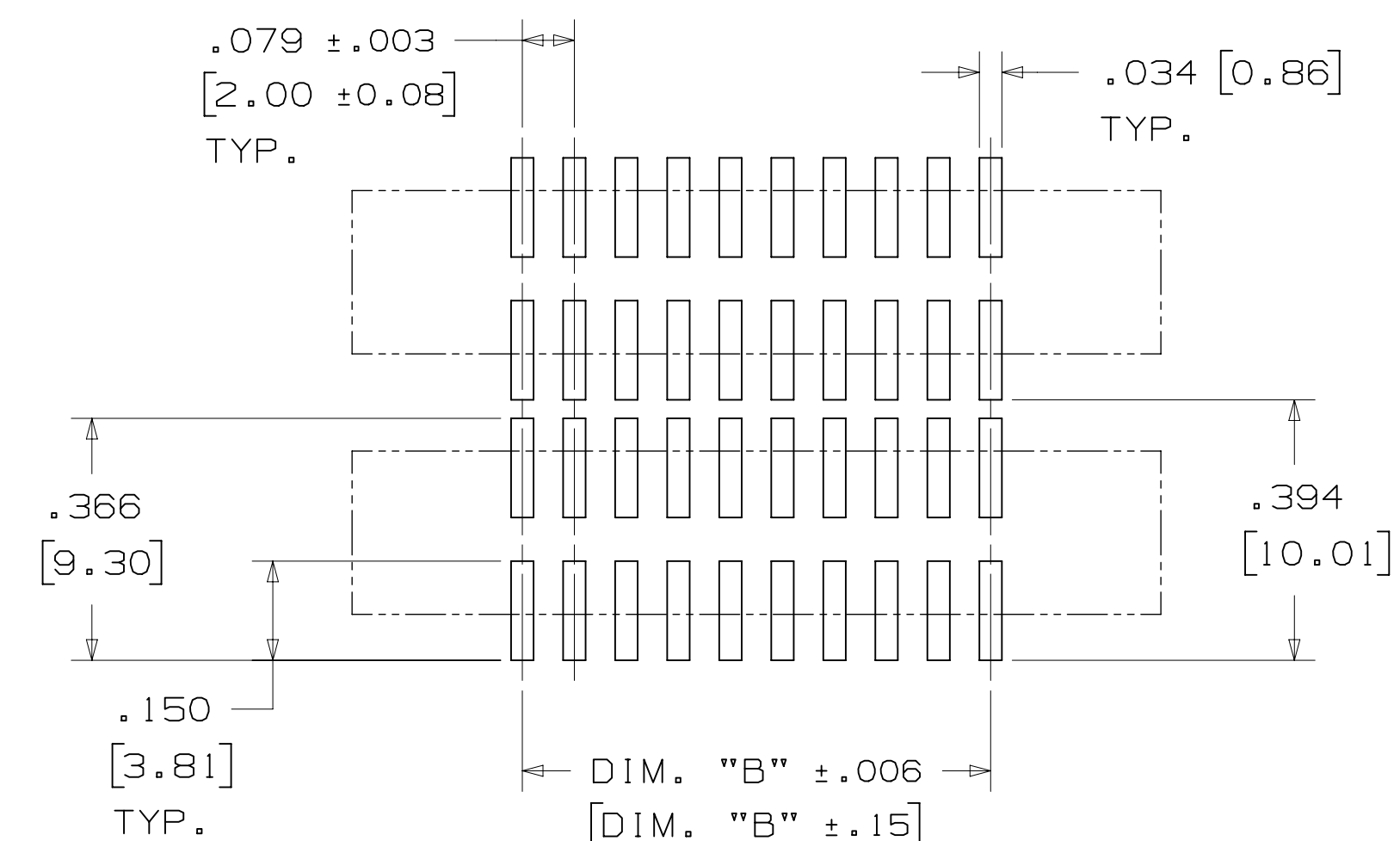
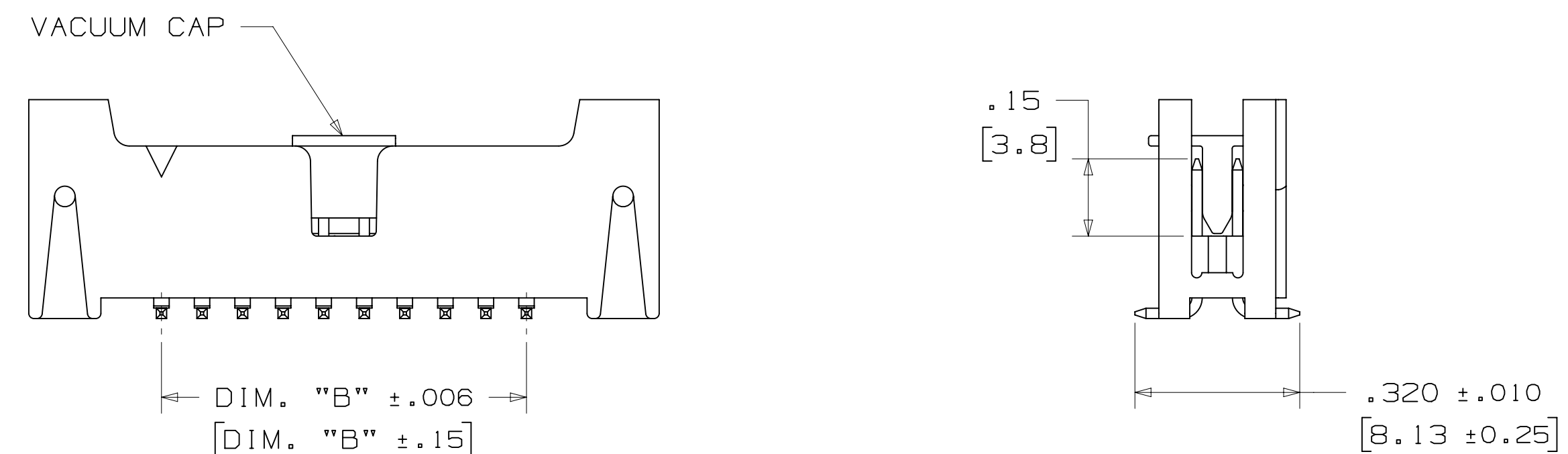
PLATING OPTIONS:
RB = 30 μ IN [.76 μ m] GOLD
RA = 10 μ IN [.25 μ m] GOLD
(RIA E1 & C1 APPLY) FOR
BOTH PLATINGS

- 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: _____

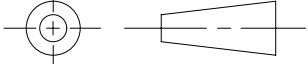
2 = LATCH, MOLDED-ON SOCKET WITH
LATCHING EARS, SERIES: 870, 2MM

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 = 30μIN [.76μm] GOLD
 RA = 10μIN [.25μm] 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		MFG R. SCHERER		DATE JAN 21, 2015			
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DO NOT SCALE DRAWING		SCALE 1 4		TOLERANCES EXCEPT AS NOTED		TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT							
		THIRD ANGLE PROJECTION		INCHES .00 ± .00 ±.01 .000 ±.00B .0000 ±									
INTERPRET PER ASME Y14.5 - 2009				MILLIMETERS 0 ± .0 ±.3 .00 ±.20 .000 ±									
MAX. SURFACE ROUGHNESS ✓		MAX. SURFACES ✓		ANGLES		CAGE NUMBER D		SIZE DRAWING NO. 5100-2199-7		REV. L			
MARKED ONLY						MODEL 1552		DET. LISTS		YES ☒ NO ☐		SHT 3 OF 4	

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3M™ LATCH/EJECT HEADER, 1552 SERIES

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

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NEXT ASSEMBLY

REV

ECO

ISSUE DATE AND DESCRIPTION

DRFT

CHKD

DESIGN CODES

DR

DATE

CHKD

CASTIGLIONE

JAN 21,2015

MFG

DATE

DIVISION

DIVISION CODE

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SCALE 1 1

TOLERANCES EXCEPT AS NOTED

INCHES

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THIRD ANGLE PROJECTION

INTERPRET PER ASME Y14.5 - 2009

MAX SURFACE ROUGHNESS

MARKED SURFACES

MARKED ONLY

MILLIMETERS

0

±

.3

.00

±

.20

.000

±

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

REV

ECO

ISSUE DATE AND DESCRIPTION

DRFT

CHKD

L

58601

AUG 11,2016

8-11-16 ADD SHT 4

REVISE TRADEMAKE NOTE JUN 01,2016

PRODUCTION RELEASE, APR 29,2016

JNC

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



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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;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

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