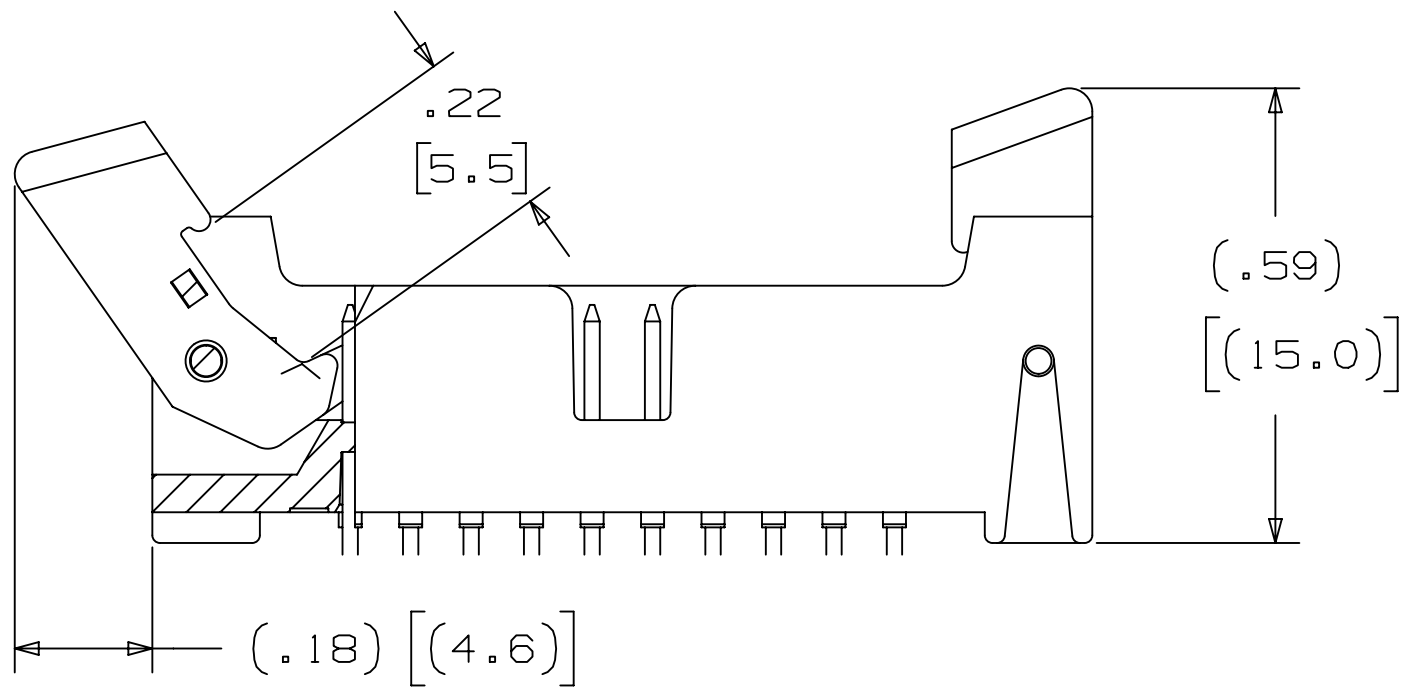
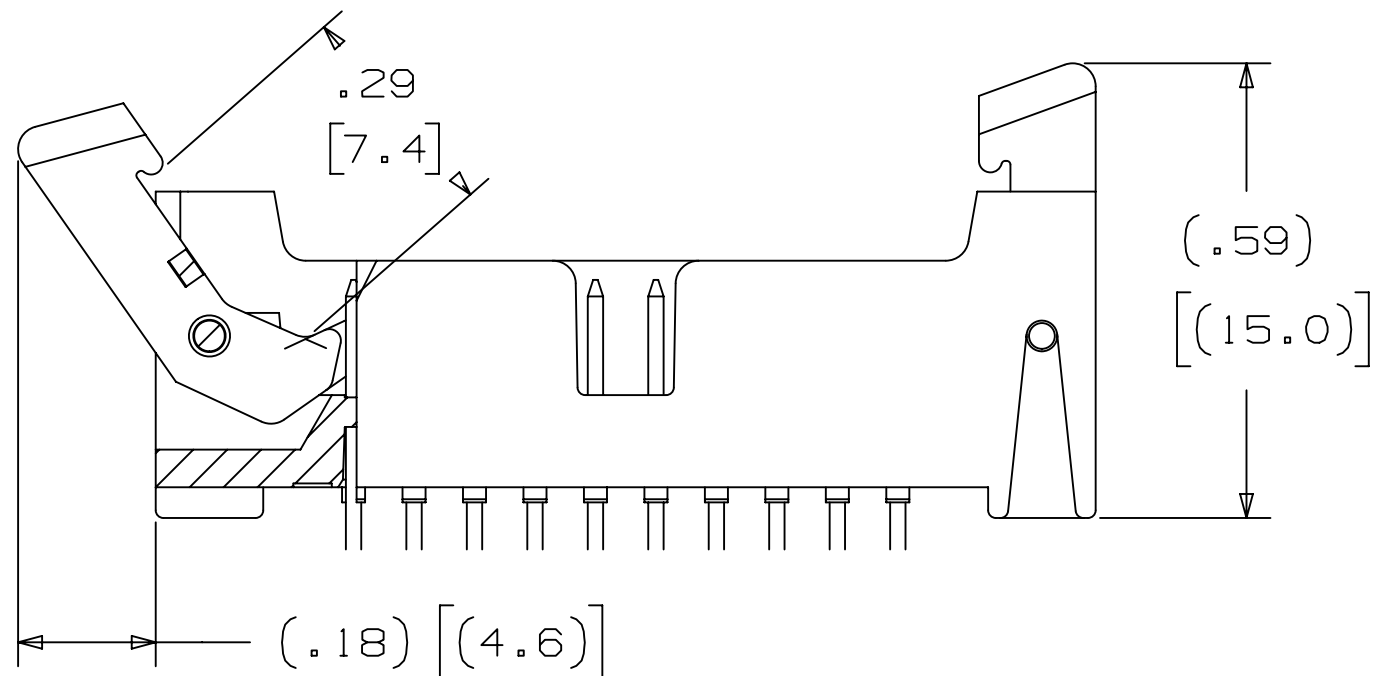


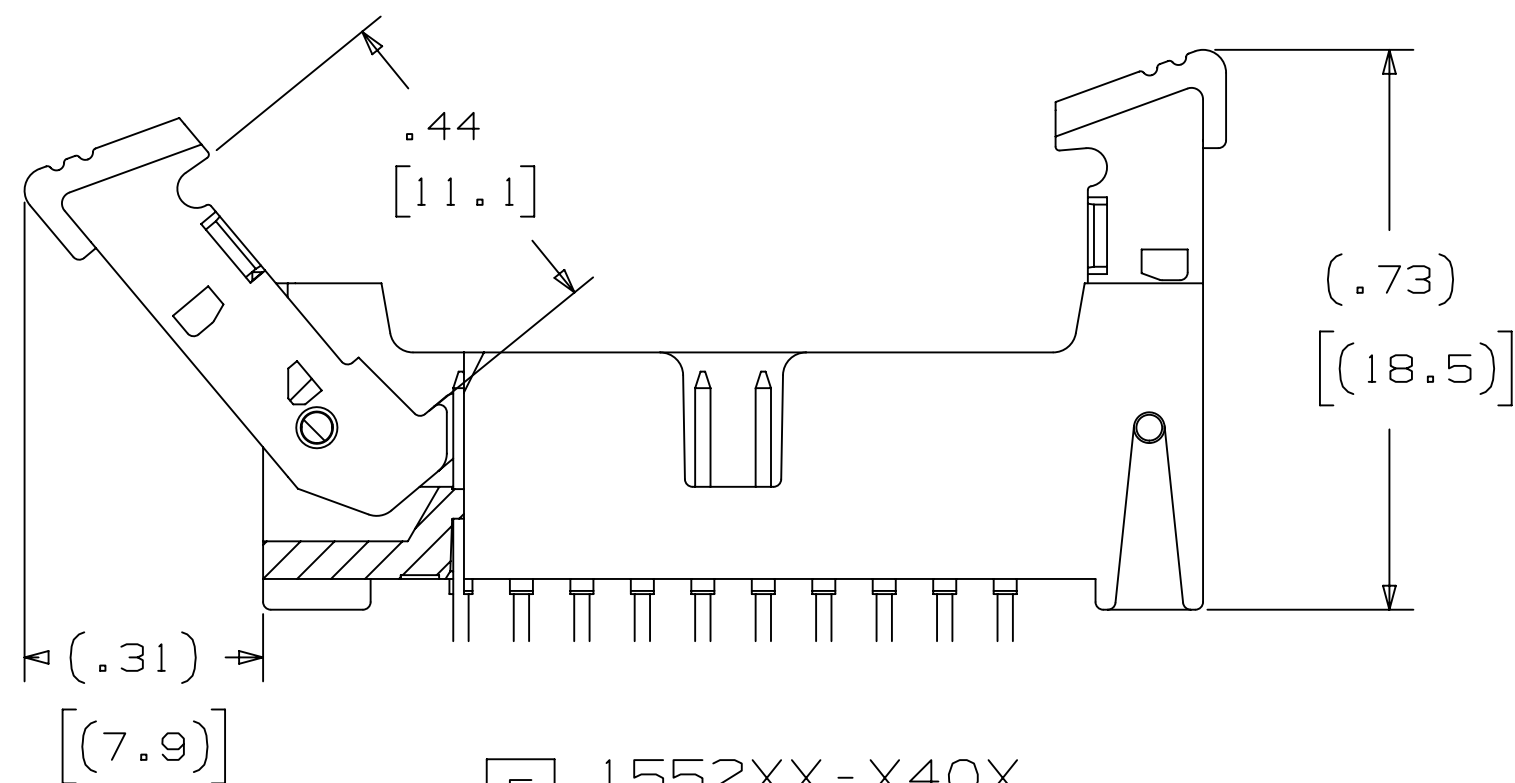
3M™ LATCH/EJECT HEADER, 1552 SERIES
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT



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
2.75A, 6 ADJACENT LINES POWERED
1.25A, ALL LINES POWERED

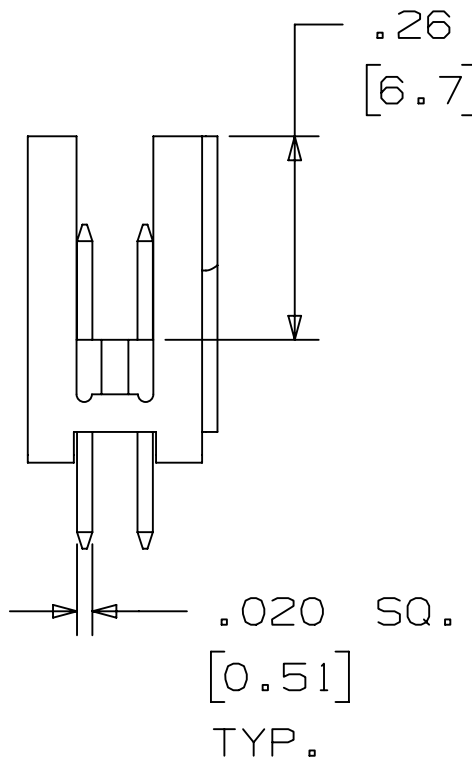
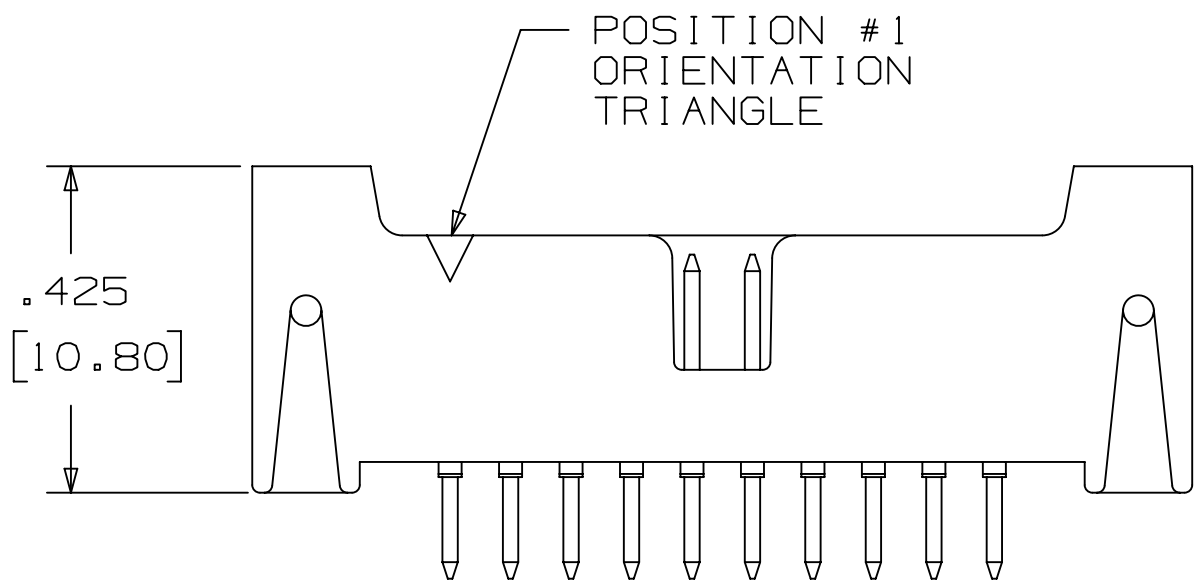
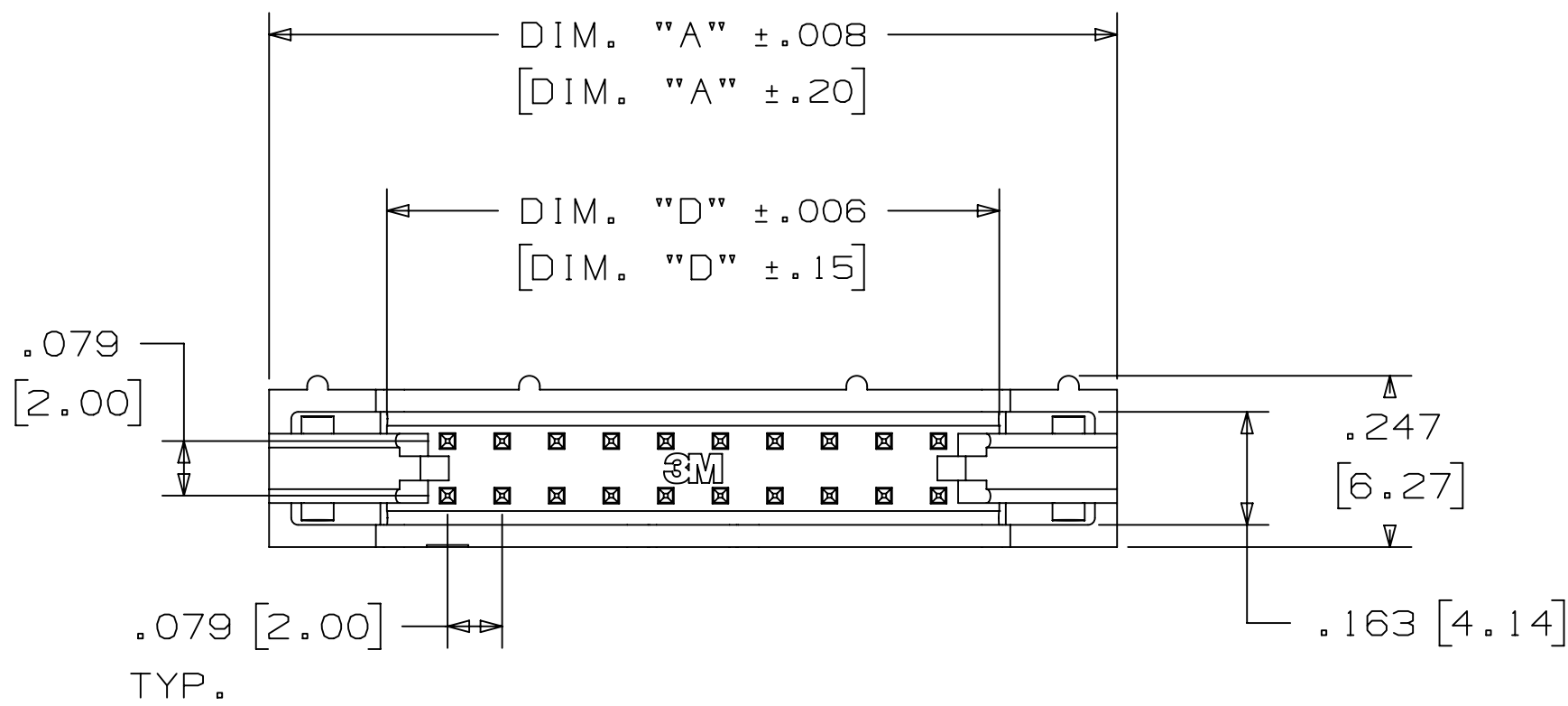
RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM TEMPERATURE
RISE, 20% DERATED. REFERENCE APPROPRIATE 3M PRODUCT
SPECIFICATION FOR DETAILED CURRENT DERATING CURVES.

INSULATION RESISTANCE: > 1X10⁹ OHMS AT 500 V_{DC}
WITHSTANDING VOLTAGE: 500 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)

- * 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.



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

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Transportation and Electronics Business Group (TEBG)
<http://www.3M.com/interconnect>

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UL FILE NO: E68080,
VOLUME 2, SECTION 4

- NOTES
1. MATERIAL: PLASTIC: GLASS FILLED POLYESTER (LCP) UL94V-0, BLACK CONTACT: COPPER ALLOY.
 2. PLATING: 50-150μ" NICKEL UNDERPLATING WIPE AREA: SEE ORDERING INFO. SOLDER TAIL: 200μ" MIN. 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).

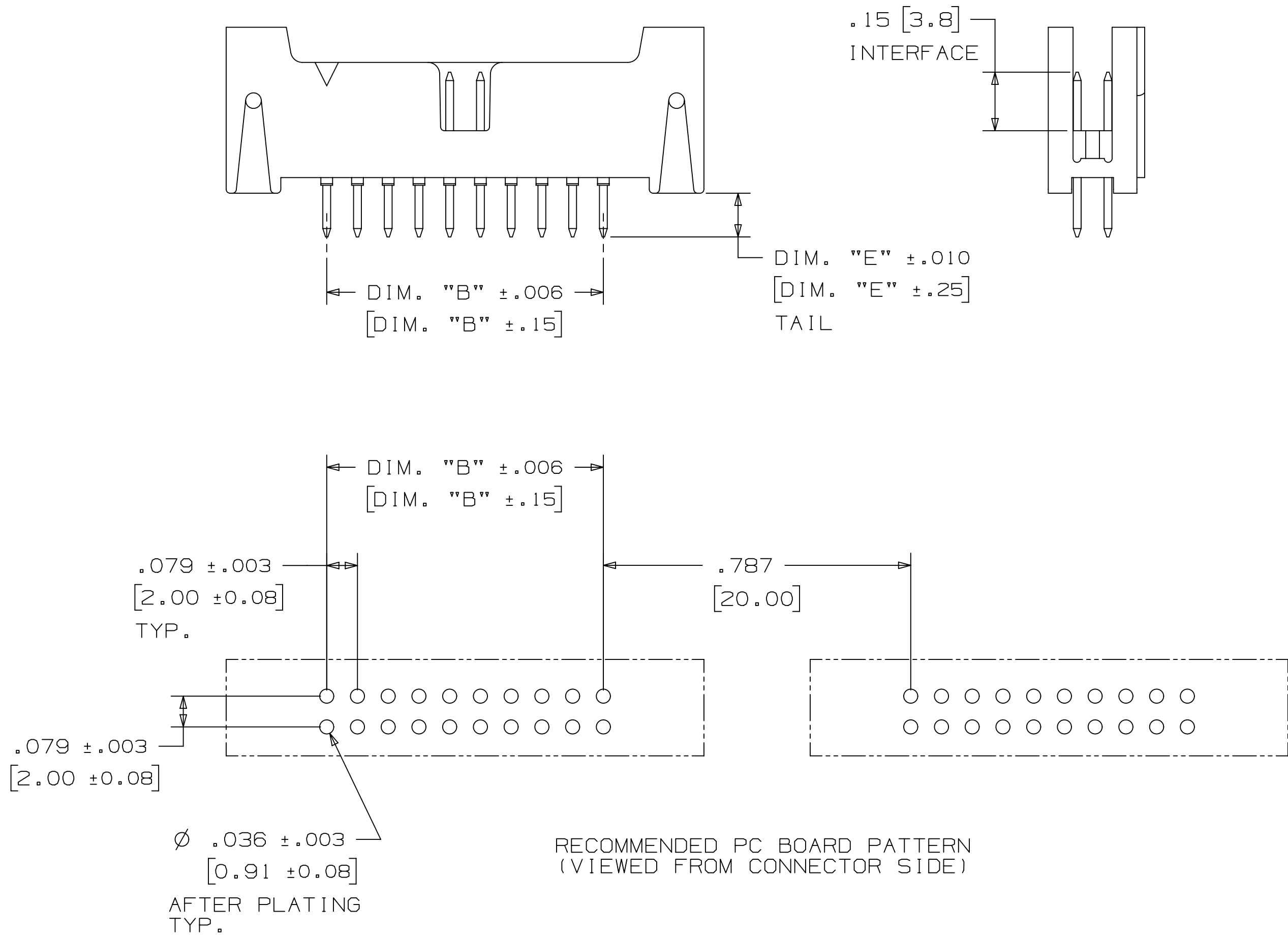
R	129805	MAR 12, 2026	JNC	FJR
P	103741	REVISE DIM CALLOUT SHT2 ZONE C7	JNC	SAN
N	99400	REVISE 24P IN TABLE 1	JNC	FJR
M	97385	REVISE ELECTRICAL PERFORMANCE	JNC	FJR
L	58601	JUN 02, 2021 REMOVED G1552XX, REVISED NOTES AUG 11, 2016 8-11-16 ADD SHT 4 REVISE TRADEMAKE NOTE JUN 01, 2016 PRODUCTION RELEASE, APR 29, 2016	JNC	RS

DIMENSIONS: INCHES [MM]
[MM] IS REF. ONLY

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	DRFT	CASTIGLIONE	DATE JAN 21, 2015	MFG	DATE
CHGD	CHGD	CHGD	R. SCHERER	DATE JAN 21, 2015		
DIVISION	DIVISION CODE DEPP	3M Center St. Paul, MN 55144				
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	INCHES .00 ±.01 .000 ±.0008 .0000 ±.0002				
MAX. SURFACE ROUGHNESS	ALL SURFACES	MILLIMETERS 0 ±.00 ±.000 ±.000				
MARKED ONLY	ANGLES	3M COPYRIGHT 2026 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	78-5100-2199-7	R				
MODEL	1552	DET	LISTS	YES	NO	SHT 1 OF 4

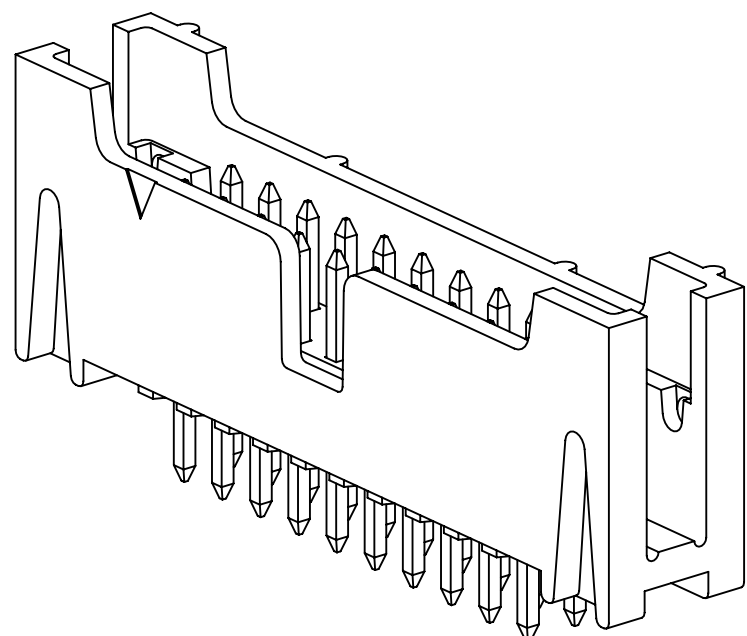
3M™ LATCH/EJECT HEADER, 1552 SERIES
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT

STRAIGHT VERSION



ORDERING INFORMATION
1552XX-6X0X-XX

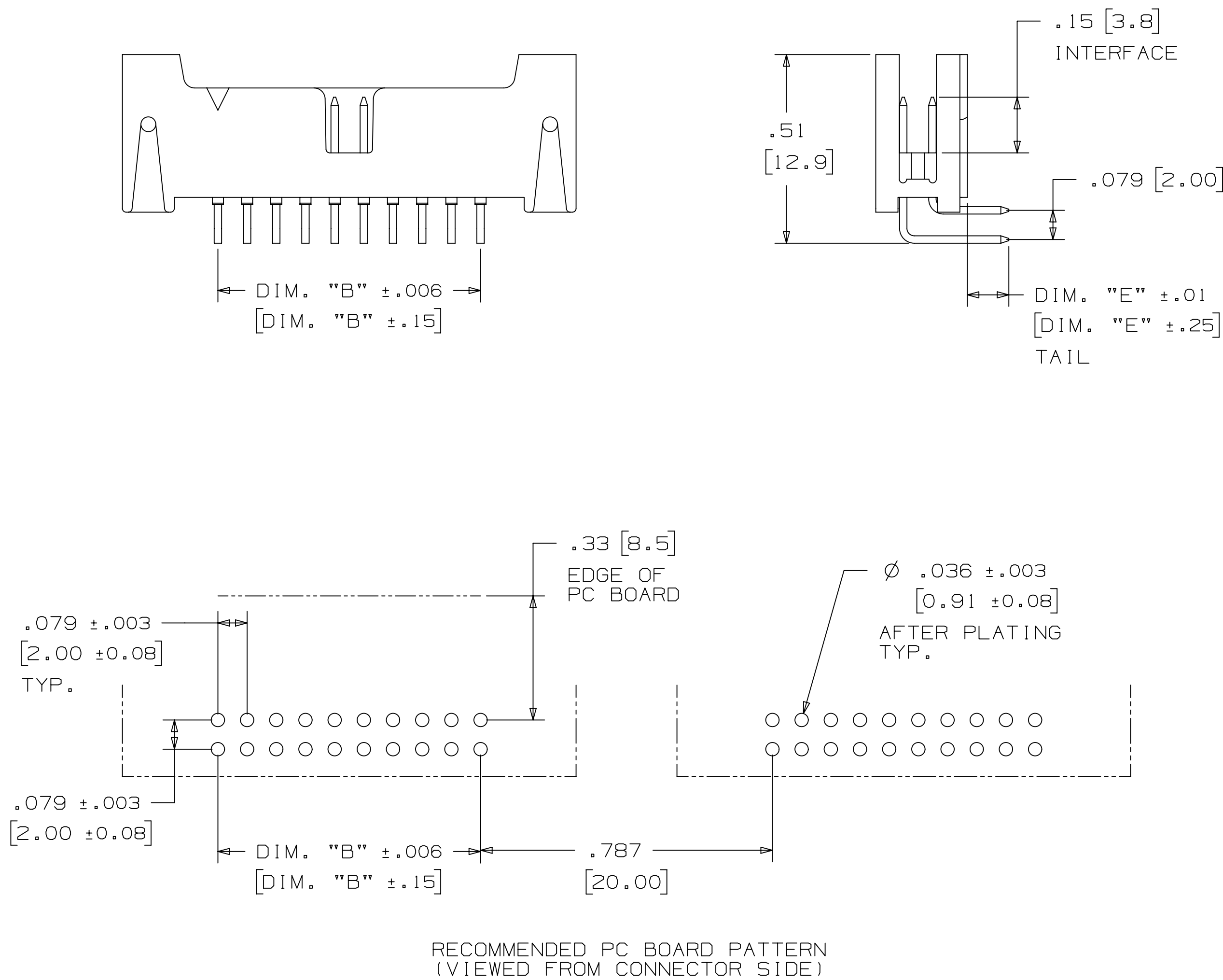
- CONTACT QUANTITY: 6
- LATCHING OPTIONS:
2 = LATCH, MOLDED-ON SOCKET WITH LATCHING EARS, SERIES: 870, 2MM
3 = LATCH, PRESS-ON SOCKET, SERIES: 1522
4 = LATCH, 2MM SCI CARRIER ONLY, SERIES: 93XX
- PLATING OPTIONS:
RB = 30μ" AVG. [.76μm] GOLD
RA = 10μ" AVG. [.25μm] GOLD
- SOLDER TAIL LENGTH: DIMENSION "E"
2 = .112 [2.84]
3 = .155 [3.94]



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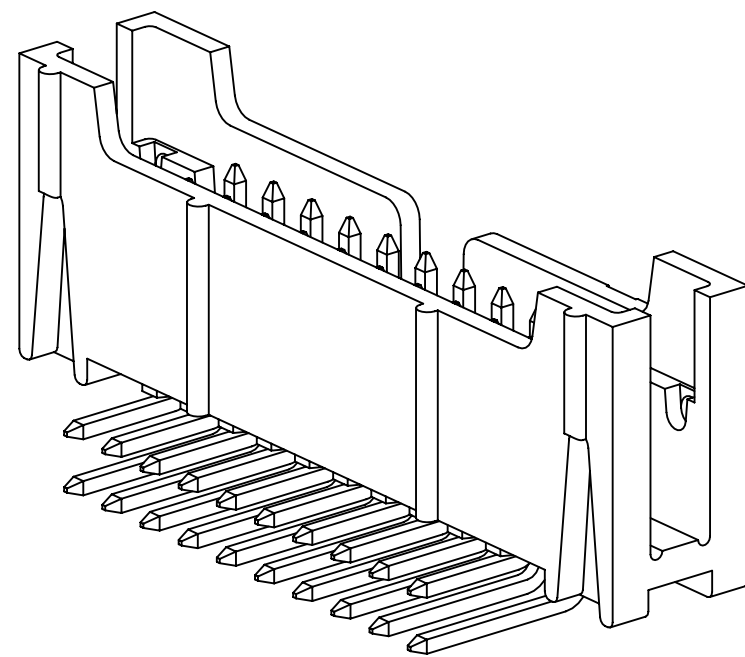
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RIGHT ANGLE VERSION



ORDERING INFORMATION
1552XX-5X0X-XX

- CONTACT QUANTITY: 5
- 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 = 30μ" AVG. [.76μm] GOLD
RA = 10μ" AVG. [.25μm] GOLD
- SOLDER TAIL LENGTH: DIMENSION "E"
2 = .112 [2.84]
3 = .155 [3.94]

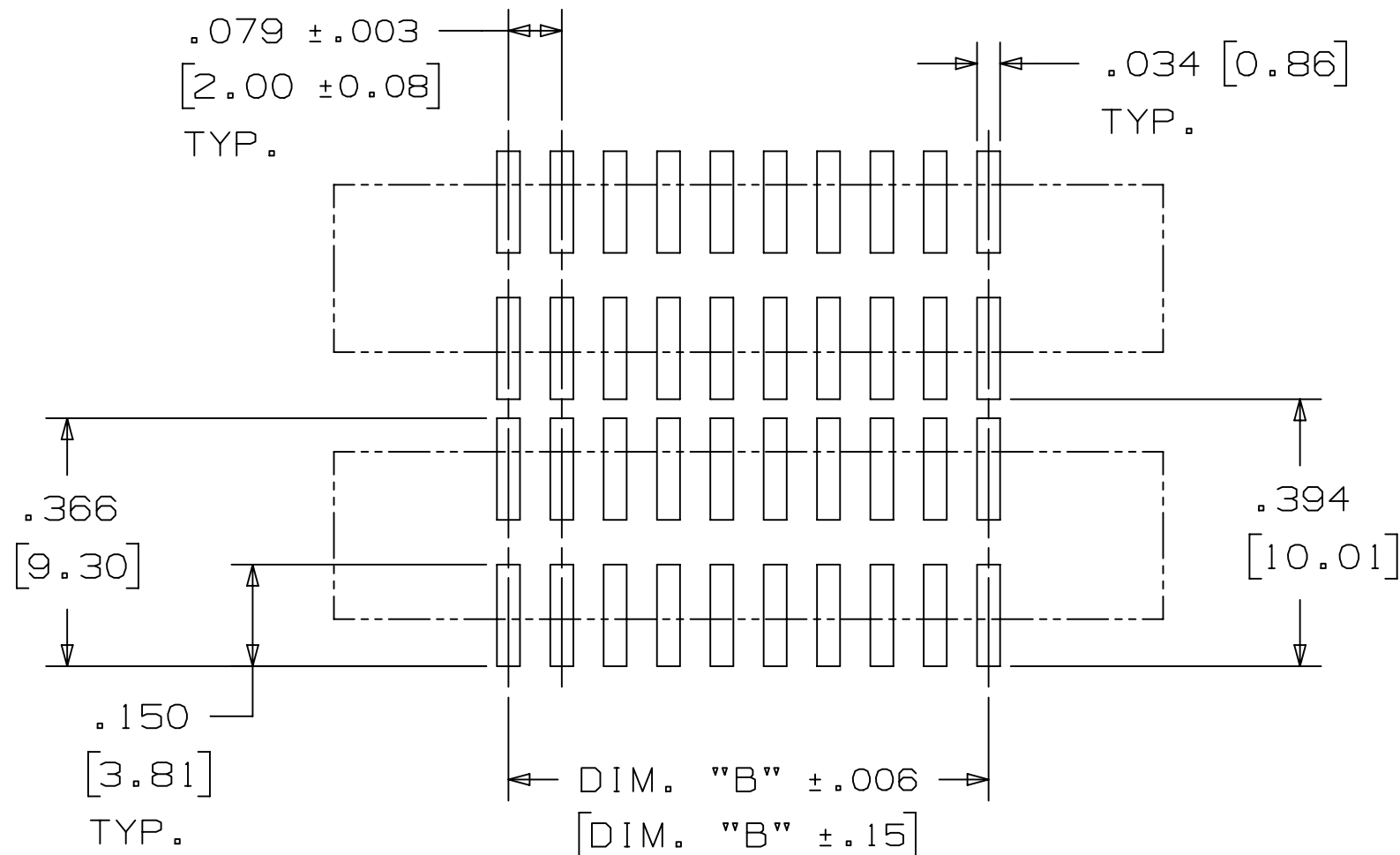
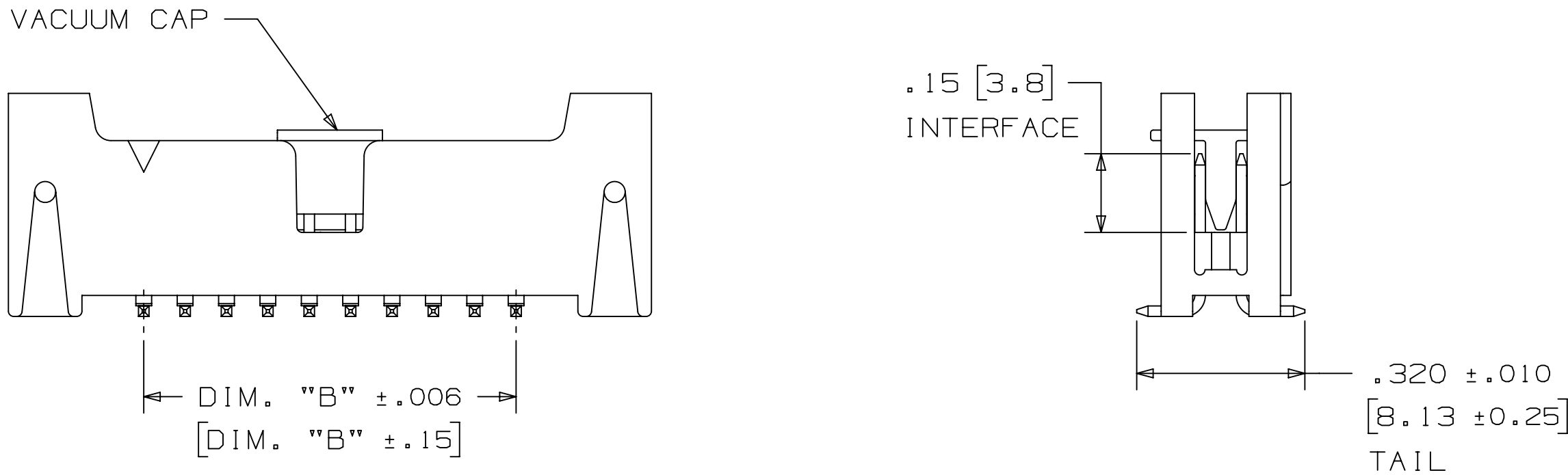


DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES		DIVISION CODE		DRFT CASTIGLIONE		DATE JAN 21,2015	MFG	DATE	
				CHKD		DATE	APPR. R. SCHERER	DATE JAN 21,2015	
DIVISION		DIVISION CODE DEPP		 3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2026 This document and 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							
		INCHES		TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT					
		.00 ±.01 .000 ±.008 .0000 ±.0002							
THIRD ANGLE PROJECTION		MILLIMETERS		CAGE NUMBER SIZE DRAWING NO. REV. D 78-5100-2199-7 R					
INTERPRET PER ASME Y14.5 - 2018		.00 ±.01 .000 ±.008 .000 ±.0002							
MAX. SURFACE ROUGHNESS		ANGLES		MODEL 1552 DET. LISTS YES NO SHT 2 OF 4					
☒ ALL SURFACES ☐ MARKED ONLY									

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

SURFACE MOUNT VERSION

- 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.
4) SURFACE MOUNT VERSION: ORDER CODE APPLIES TO THE TAPE AND REEL WIDTH.



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

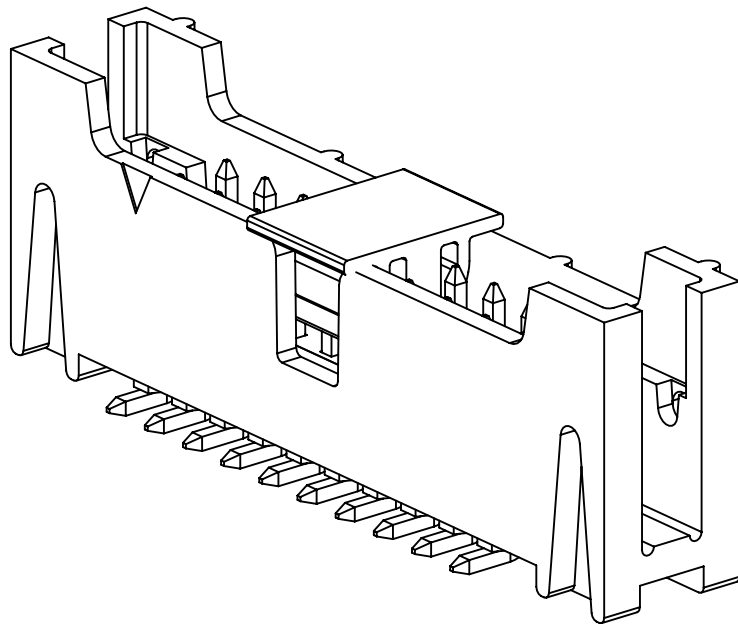
PLATING OPTIONS:

- RB = 30μ" AVG. [.76μm] GOLD
RA = 10μ" AVG. [.25μm] GOLD

PACKAGING:

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

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	WF	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



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DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	DRFT	CASTIGLIONE	DATE JAN 21, 2015	MFG	DATE
		CHKD		DATE	APPR	DATE JAN 21, 2015
					R. SCHERER	
DIVISION	DIVISION CODE	TOLERANCES EXCEPT AS NOTED				
DO NOT SCALE DRAWING	DEPP	INCHES ±.1 ±.01 ±.000 ±.0008 ±.0000 ±.0002				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS 0 ± ±.0 ±.00 ± ±.000 ±				
MAX. SURFACE ROUGHNESS	ALL SURFACES	CAGE NUMBER				
MARKED ONLY	ANGLES	D78-5100-2199-7				
		MODEL 1552				
		LISTS YES NO SHT 3 OF 4				

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

CAGE NUMBER D78-5100-2199-7

REV. R

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

Regulatory:

For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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3M Company

Electronics Materials Solutions Division

13011 McCallen Pass, Bldg. C

Austin, TX 78753-5380

1-800-225-5373

www.3M.com/interconnect

DESIGN REFERENCE

NEXT ASSEMBLY

REV

ECO

ISSUE DATE AND DESCRIPTION

DRFT

CHKD

DEPT

CASTIGLIONE

DATE

JAN 21,2015

MFG

DATE

CHKD

DATE

APPR

R. SCHERER

DATE

JAN 21,2015

DIVISION

DEPP

DIVISION CODE

DEPP

DO NOT SCALE DRAWING

SCALE

TOLERANCES EXCEPT AS NOTED

THIRD ANGLE PROJECTION

INTERPRET PER ASME Y14.5 - 2018

MAX SURFACE ROUGHNESS

ALL SURFACES

MARKED ONLY

INCHES

0.0000 ±.0002

MILLIMETERS

0.000 ±

3M

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TITLE

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

CAGE NUMBER

SIZE

DRAWING NO.

REV.

MODEL

1552

LISTS

YES

NO

SHT 4 OF 4

8

7

6

5

4

3

2

1