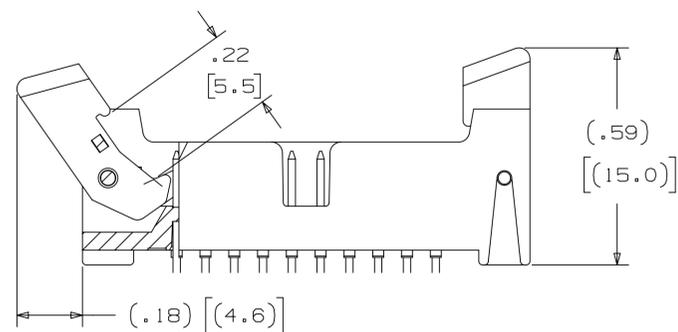
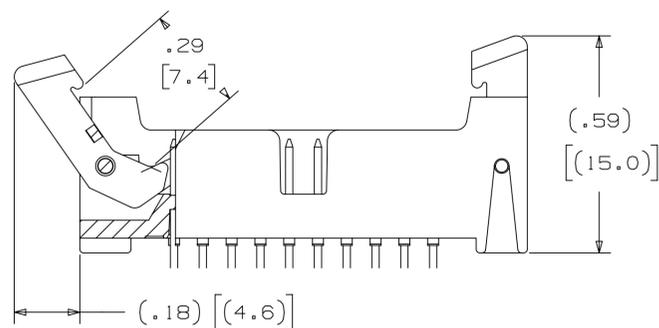


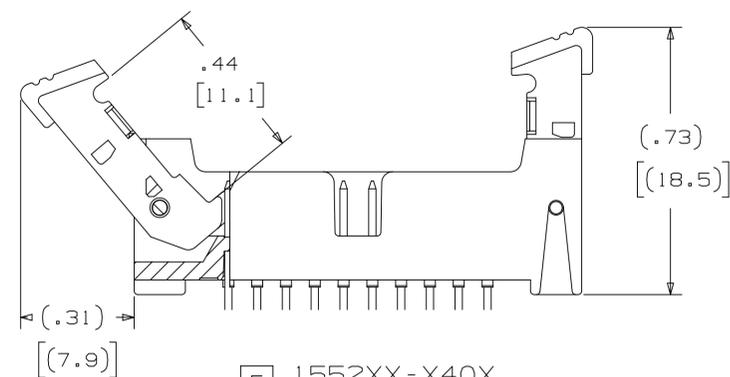
3M™ LATCH/EJECT HEADER, 1552 SERIES
2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT



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

- 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
 5. SEE TABLE 1 FOR LATCH
AVAILABILITY.
 6. MATING COMPATIBILITY SERIES:
1522, 870, 2M AND 2MM SCI
CARRIER (93XX).

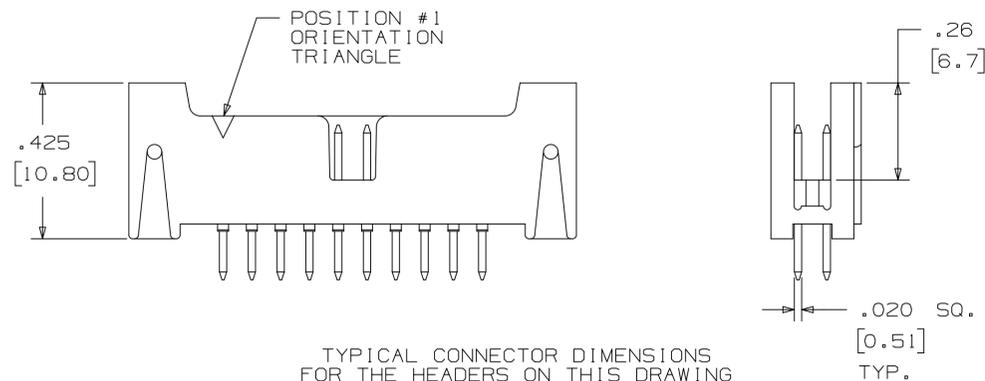
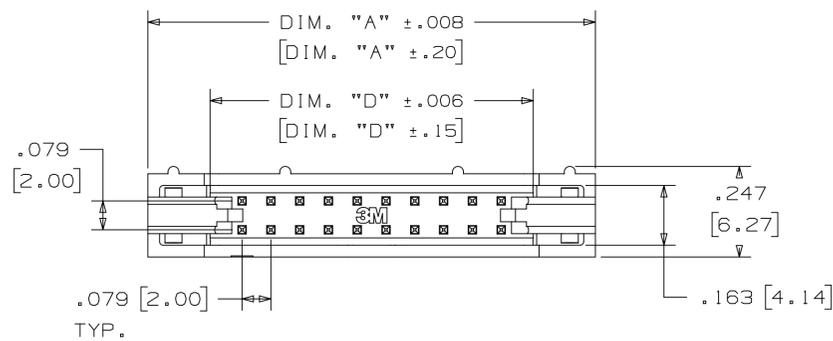
3 ELECTRICAL PERFORMANCE :

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)

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

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

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UL FILE NO: E68080,
VOLUME 2, SECTION 4

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
P	103741	MAR 29, 2022 REVISE 24P IN TABLE 1	JNC	SAN
N	99400	SEP 20, 2021 REVISE ELECTRICAL PERFORMANCE	JNC	FJR
M	97385	JUN 02, 2021 REMOVED G1552XX, REVISED NOTES	JNC	FJR
L	58601	AUG 11, 2016 8-11-16 ADD SHT 4 REVISE TRADEMAKE NOTE JUN 01, 2016 PRODUCTION RELEASE, APR 29, 2016	JNC	RS

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DIVISION		DIVISION CODE		DATE		
DO NOT SCALE DRAWING		SCALE		DATE		
THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		DATE		
INTERPRET PER ASME Y14.5 - 2018		INCHES		DATE		
MAX SURFACE ROUGHNESS		MILLIMETERS		DATE		
MARKED ONLY		ANGLES		DATE		

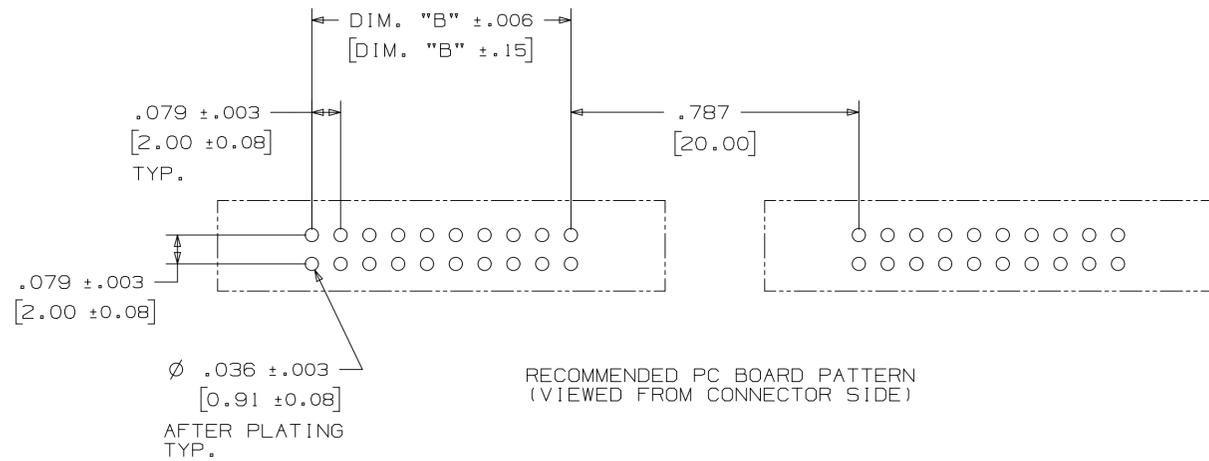
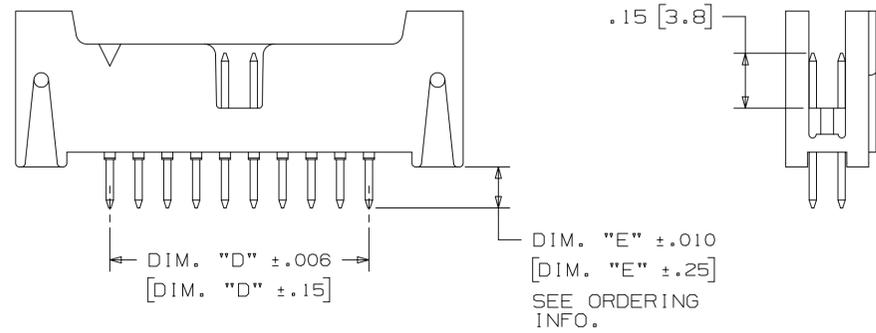
3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2022 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.	
TITLE LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT			
CAGE NUMBER	SIZE	DRAWING NO.	REV.
D		78-5100-2199-7	P
MODEL	1552	DET	IS1s YES NO SHT 1 OF 4

78-5100-2199-7
DRAWING NUMBER

A

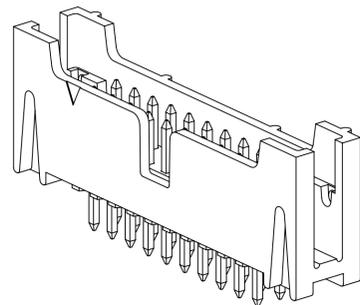
3M™ LATCH/EJECT HEADER, 1552 SERIES
 2MM X 2MM STRAIGHT & RIGHT ANGLE, THROUGH-HOLE, STRAIGHT & SURFACE MOUNT

STRAIGHT VERSION

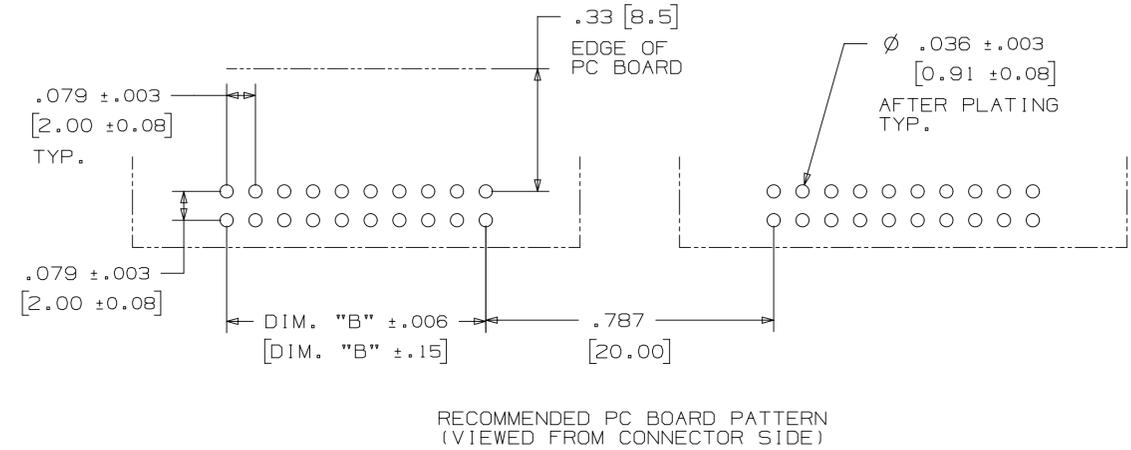
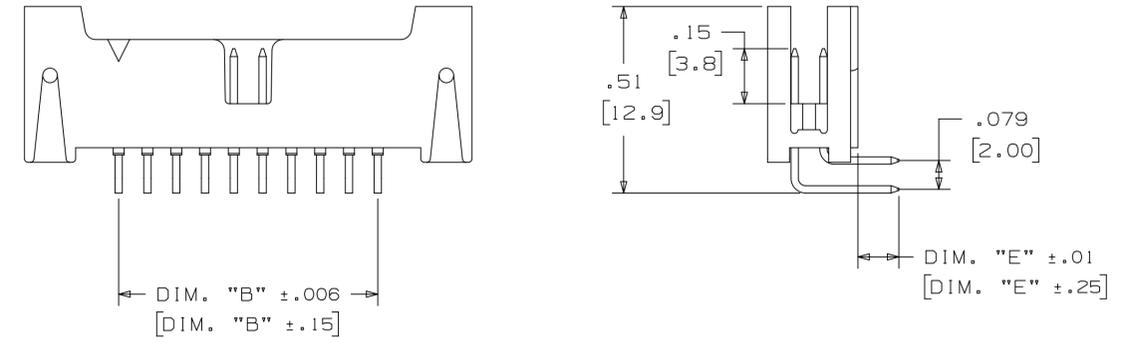


ORDERING INFORMATION
 1552XX-6X0X-XX

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

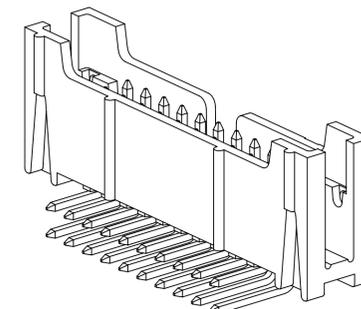


RIGHT ANGLE VERSION



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 = 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
		P	103741	MAR 29, 2022 REVISE 24P IN TABLE 1	JNC	SAN
		N	99400	SEP 20, 2021 REVISE ELECTRICAL PERFORMANCE	JNC	FJR
		M	97385	JUN 02, 2021 REMOVED G1552XX, REVISED NOTES	JNC	FJR
		L	58601	AUG 11, 2016 8-11-16 ADD SHT 4 REVISE TRADEMAKE NOTE JUN 01, 2016 PRODUCTION RELEASE, APR 29, 2016	JNC	RS

DESIGNER	CHECKED	DATE	DATE	DATE
CASTIGLIONE		JAN 21, 2015		
	R. SCHERER		JAN 21, 2015	

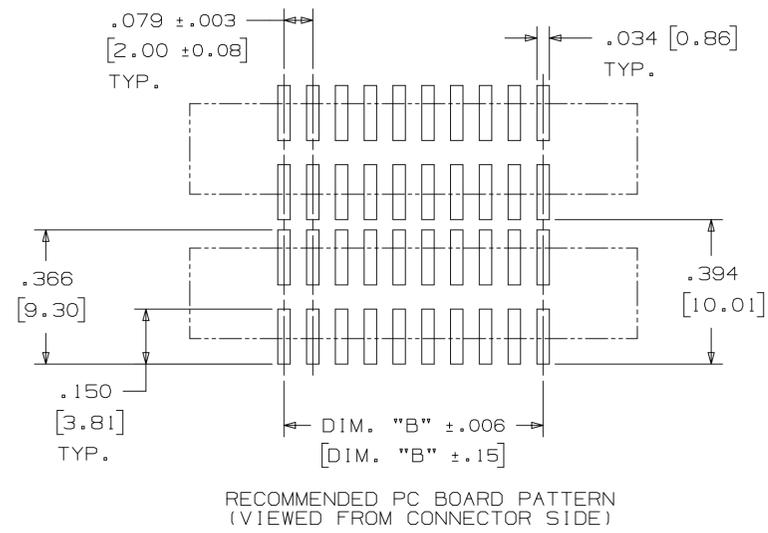
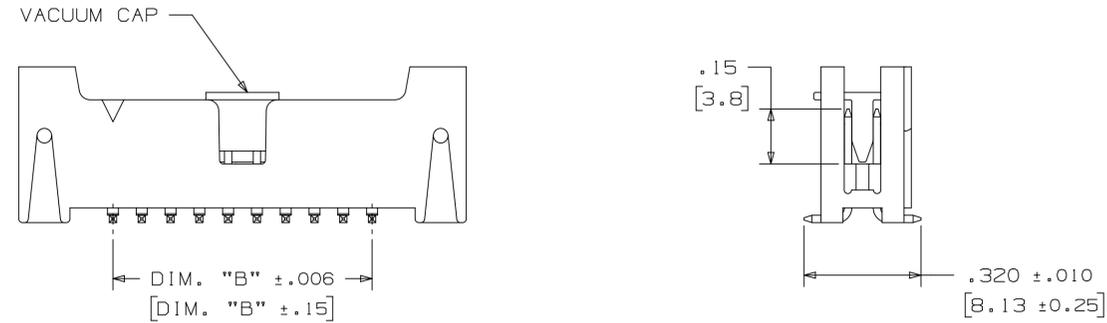
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	INCHES .00 ±.01 .000 ±.008 .0000 ±.0002
MAX. SURFACE ROUGHNESS	MARKED ONLY	MILLIMETERS 0 ± .00 ± .000 ±

TITLE	LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT
CAGE NUMBER	D78-5100-2199-7
MODEL	1552
REV.	P
DET.	IS1S YES NO SHT 2 OF 4

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.



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

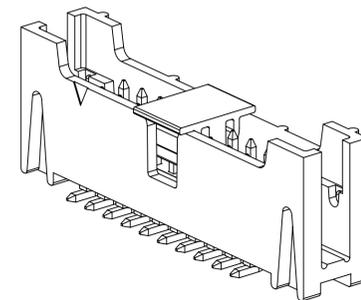
ORDERING INFORMATION
 1552XX-2X00-XX-XX

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



4

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
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DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DIVISION		DIVISION CODE		EMSD		
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION		INCHES		.0 ±.1 .00 ±.01 .000 ±.008 .0000 ±.0002		
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		0 ± .0 ± .00 ± .000 ±		
MAX SURFACE ROUGHNESS		MARKED ONLY		ANGLE ±		
CAGE NUMBER	SIZE	DRAWING NO.	REV.	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.		
1552	D	78-5100-2199-7	P	LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT		
MODEL	1552	DET	1515	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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REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
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DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD

DRG CODES	DATE	DRFT	CHKD
	JAN 21, 2015	CASTIGLIONE	

DIVISION	DIVISION CODE	DATE	DATE
	EMSD		

DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED
<input checked="" type="checkbox"/>	1	

THIRD ANGLE PROJECTION	INCHES	MILLIMETERS
	±.1 ±.01 ±.008 ±.0002	0 ± ±

MAX SURFACE ROUGHNESS	INTERPRET PER ASME Y14.5 - 2018	MARKED ONLY
		<input checked="" type="checkbox"/>

TITLE	CAGE NUMBER	SIZE	DRAWING NO.	REV.
LATCH/EJECT HEADER, 2MM, STRAIGHT, RIGHT ANGLE & SMT	D		78-5100-2199-7	P

MODEL	1552	DET	LISTS	YES	NO	SHT 4 OF 4
				<input checked="" type="checkbox"/>	<input type="checkbox"/>	

78-5100-2199-7
DRAWING NUMBER

A

Mouser Electronics

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Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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