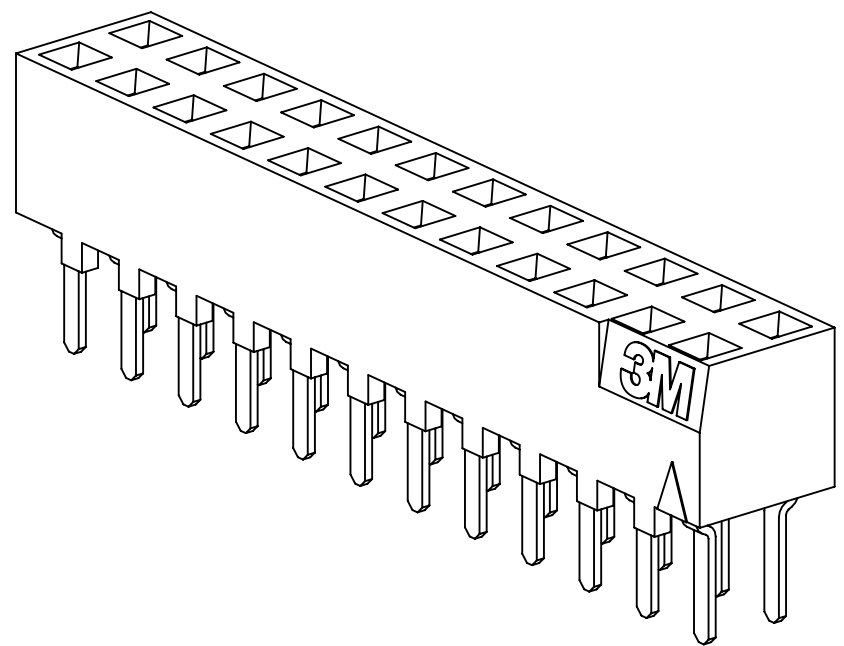
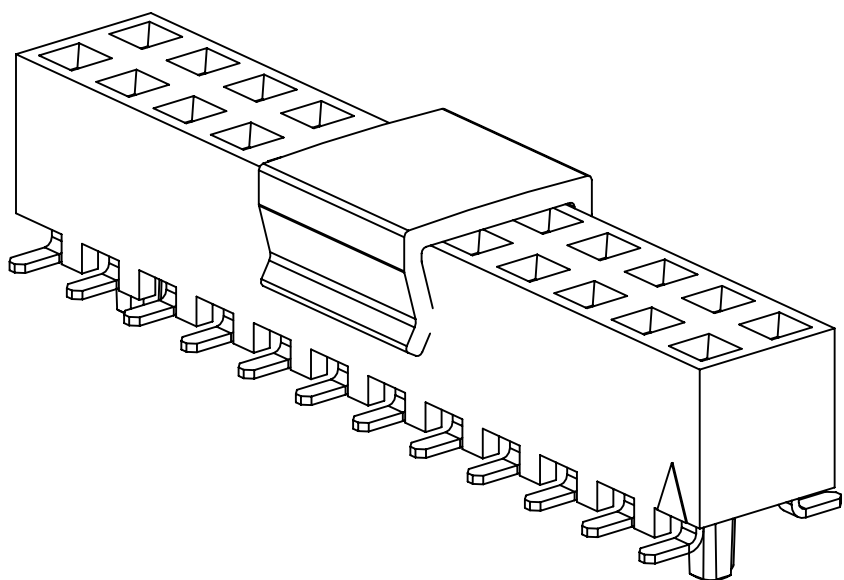


3M™ BOARDMOUNT SOCKET, 1502 SERIES
2.00MM X 2.00MM STRAIGHT AND SURFACE MOUNT, PLATED THROUGH HOLE



STRAIGHT
VERSION



SURFACE MOUNT
VERSION

2 PHYSICAL :

INSULATOR: HIGH TEMP THERMOPLASTIC
MATERIAL: COPPER ALLOY
CONTACT: PLATING: 1.27-3.8µm { 50-150µ" } NICKEL-OVERALL
WIPING AREA: .76µm { 30µ" } GOLD
SOLDER TAILS: 5.1µm { 200µ" } MATTE TIN (RIA E1 & C1 APPLY)
MARKING: ORIENTATION DELTA AND 3M LOGO (EXCEPT SURFACE MOUNT)

2 ELECTRICAL :

CURRENT RATING: 1A
VOLTAGE RATING: 150V_{AC} PER EIA-364-20
INSULATION RESISTANCE: >1 X 10⁹ OHM AT 250V_{DC}
WITHSTANDING VOLTAGE: 500V_{DC} AT SEA LEVEL

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55° C TO 105° C
PROCESS RATING: MAX. 260° C (PER J-STD-020C)
MOISTURE SENSITIVITY LEVEL: 1 (PER J-STD-020C)

1. REGULATORY INFORMATION: ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR COMPLIANCE INFORMATION.
2. IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
3. TAPE & REEL INCLUDE VACUUM PICK-UP CAP FOR PICK 'n PLACE HANDLING EQUIPMENT.
4. PARTS IN TRAY PACKAGING ARE SUPPLIED WITHOUT VACUUM CAP.
5. POSITIONS PER ROW, SUBTRACT 1, MULTIPLY BY 2MM SPACING.
6. OPTIONAL LOCATOR POSTS: POSITIONS PER ROW, MULTIPLY BY 2MM SPACING, THEN SUBTRACT 4MM. POSTS ARE ONLY AVAILABLE FOR POSITIONS 08 AND GREATER.

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

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INFORMATION CALL 800-225-5373

UL FILE NO: E68080

DIMENSIONS: MM [INCH] [INCH] FOR REF. ONLY		K	63282	SEP 03,2015 REDRAWN & REMOVED RIGHT ANGLE	JNC	ARM
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
AKSOP CODES		CAST	IGL	ONE	SEP 03,2015	MFG DATE
		CHKD		DATE	APPV G. MATHEWS	DATE SEP 03,2015
DIVISION	DIVISION CODE EMSD	© 3M COPYRIGHT 2017 3M property and the information it contains are distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.				
DO NOT SCALE DRAWING	SCALE 6 1	TOLERANCES EXCEPT AS NOTED				
		INCHES 0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002				
		MILLIMETERS 0 ±.2 .0 ±.13 .00 ±.005				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	CAGE NUMBER D78-5100-0519-8				
MAX SURFACE ROUGHNESS 0.4 µm SURFACES ✓ MARKED ONLY		SIZE D	DRAWING NO. 78-5100-0519-8	REV. K	MODEL 1502	
				DET LISTS	YES	NO
				SHT	1	OF 4

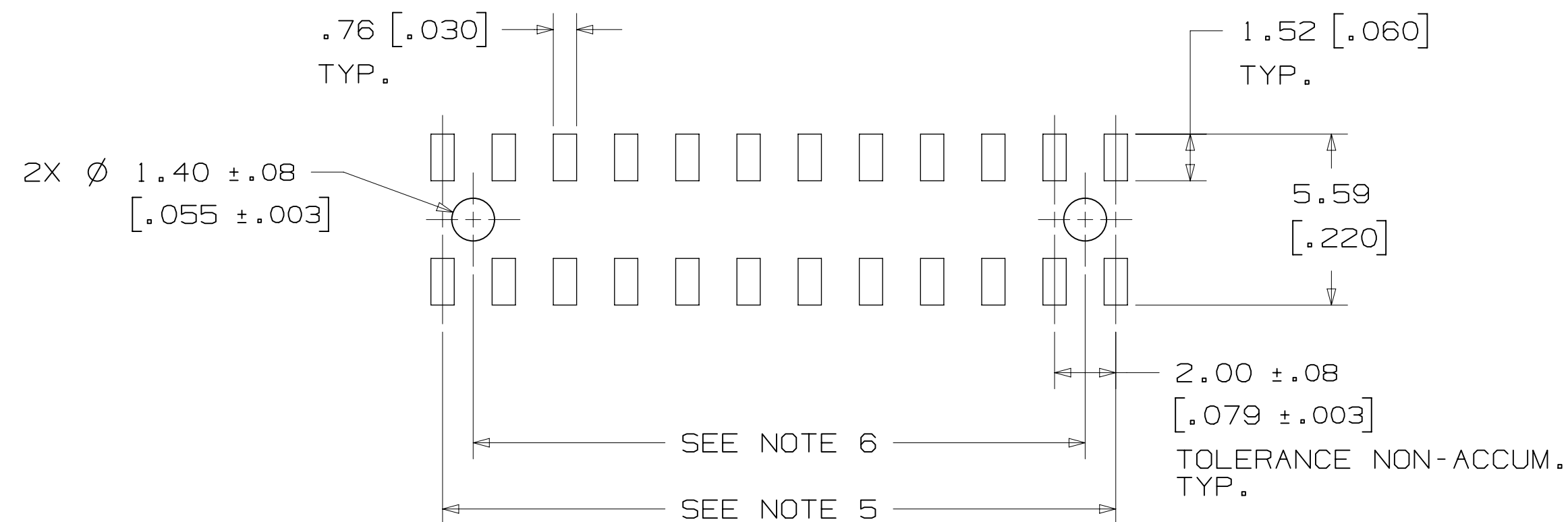
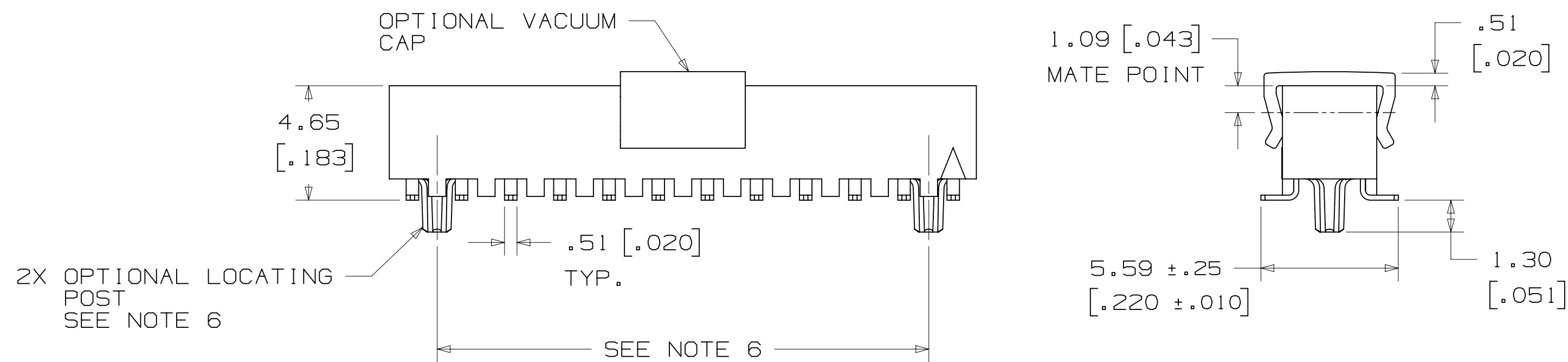
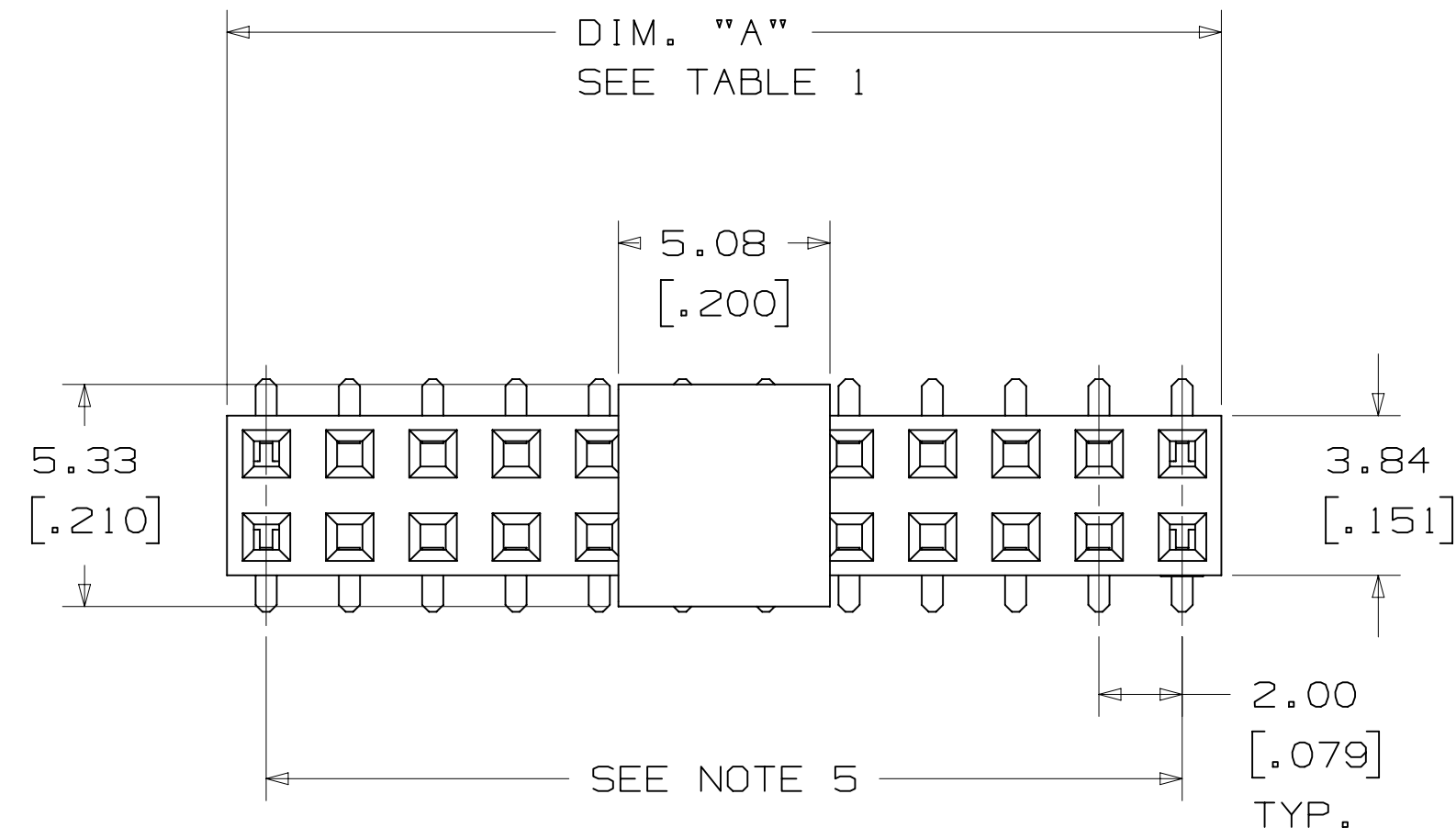


A

C

DRAWING NUMBER
/8-5100-0519-8
REVISION
K

3M™ BOARDMOUNT SOCKET, 1502 SERIES
2.00MM X 2.00MM STRAIGHT AND SURFACE MOUNT, PLATED THROUGH HOLE



RECOMMENDED PAD PATTERN
(AS VIEWED FROM CONNECTOR SIDE)

CONTACT QTY.	DIM. "A"	TAPE WIDTH	ORDER CODE
04	3.96 [.156]	N/A	N/A
06	5.87 [.231]	N/A	N/A
08	7.87 [.310]	24 MM	WB
10	9.88 [.389]	24 MM	WB
12	11.86 [.467]	24 MM	WB
14	13.87 [.546]	24 MM	WB
16	15.88 [.625]	24 MM	WB
18	17.88 [.704]	44 MM	WD
20	19.86 [.782]	44 MM	WD
22	21.87 [.861]	44 MM	WD
24	23.88 [.940]	44 MM	WD
26	25.88 [1.019]	44 MM	WD
28	27.86 [1.097]	44 MM	WD
30	29.87 [1.176]	44 MM	WD
32	31.88 [1.255]	56 MM	WE
34	33.88 [1.334]	56 MM	WE
36	35.86 [1.412]	56 MM	WE
38	37.87 [1.491]	56 MM	WE
40	39.88 [1.570]	56 MM	WE
42	41.88 [1.649]	56 MM	WE
44	43.87 [1.727]	72 MM	WF
46	45.87 [1.806]	72 MM	WF
48	47.88 [1.885]	72 MM	WF
50	49.89 [1.964]	72 MM	WF
52	51.87 [2.042]	72 MM	WF
54	53.87 [2.121]	72 MM	WF
56	55.88 [2.200]	72 MM	WF
58	57.86 [2.278]	88 MM	WG
60	59.87 [2.357]	88 MM	WG

ORDERING INFORMATION
SURFACE MOUNT
1502XX-20X0-RB-XX

CONTACT QTY. : —
SEE TABLE 1

BOARD LOCATION POST: ☐
 0 = NONE (STANDARD)
 2 = WITH BOARD LOCATION POSTS
 (SPECIAL ORDER)

— PACKAGING STYLE:
BLANK = TRAY PACKAGING
WX = TAPE & REEL PACKAGING
(SEE TABLE 1 FOR ORDERING CODE)

K		63282		SEP 03,2015		JNC		ARM					
				REDRAWN & REMOVED RIGHT ANGLE									
DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ACCESS CODES				DRFT CAST IGLIONE		DATE SEP 03,2015		MFG		DATE			
				CHRD		DATE		APPL. G. MATHEWS		DATE SEP 03,2015			
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 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.							
DO NOT SCALE DRAWING				TOLERANCES EXCEPT AS NOTED		3M 3M Center St. Paul, MN 55144							
SCALE 6/1				INCHES		TITLE		BOARDMOUNT SOCKET, 2MM X 2MM, STRAIGHT & SMT, PAC 20					
THIRD ANGLE PROJECTION				.00 ±.1 .000 ±.001 .0000 ±.0002		MILLIMETERS		0 ±.2 .0 ±.3 .00 ±.13 .000 ±.005					
INTERPRET PER ASME Y14.5 - 2009				MARKED ONLY		CAGE NUMBER		SIZE		DRAWING NO.		REV.	
MAX. SURFACE ROUGHNESS 12.5 12.5 12.5				12.5 12.5 12.5		D 578-5100-0519-8		12.5 12.5 12.5		YES X NO SHT 3 OF 4		K	
MODEL				1502		DET		12.5		YES X NO		SHT 3 OF 4	

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DESIGN REFERENCE		NEXT ASSEMBLY		REV	63282	SEP 03,2015		JNC	ARM
ADDRESS CODES 				DRFT CASTIGLIONE		DATE SEP 03,2015		DRFT DATE	
DIVISION				DIVISION CODE		APPR. G. MATHEWS		DATE SEP 03,2015	
DO NOT SCALE DRAWING 				TOLERANCES EXCEPT AS NOTED INCHES .00 .01 .0000 .0002 MILLIMETERS 0 .12 .00 .13 .0000 .0005		© 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.		TITLE BOARDMOUNT SOCKET, 2MM X 2MM, STRAIGHT & SMT, PAC 20	
THIRD ANGLE PROJECTION 				INTERPRET PER ASME Y14.5 - 2009 MAX SURFACE ROUGHNESS 		SIZE DRAWING NO. D 78-5100-0519-8		REV. K	
MARKED ONLY 				MODEL 1502		DET. LISTS YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/>		SHT 4 OF 4	

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