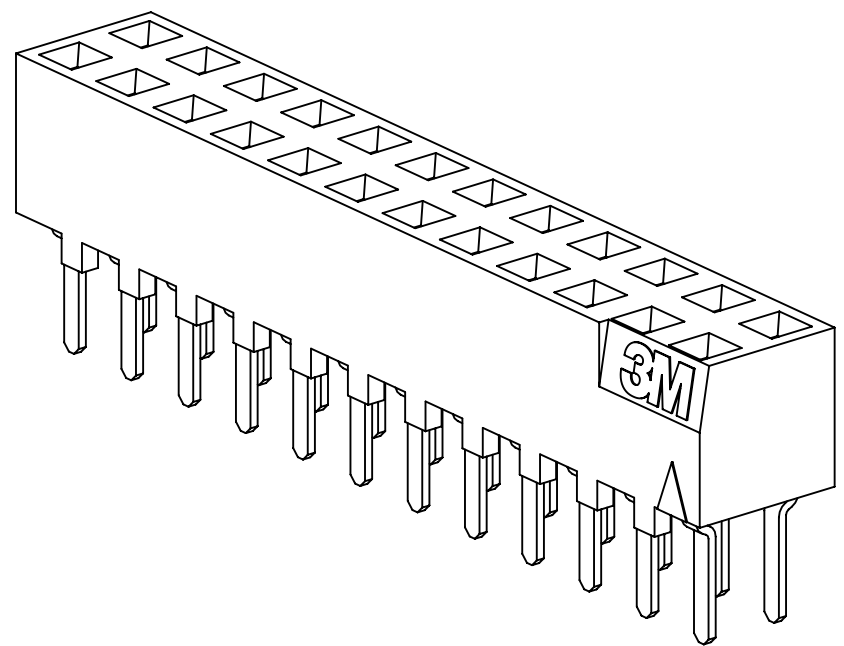
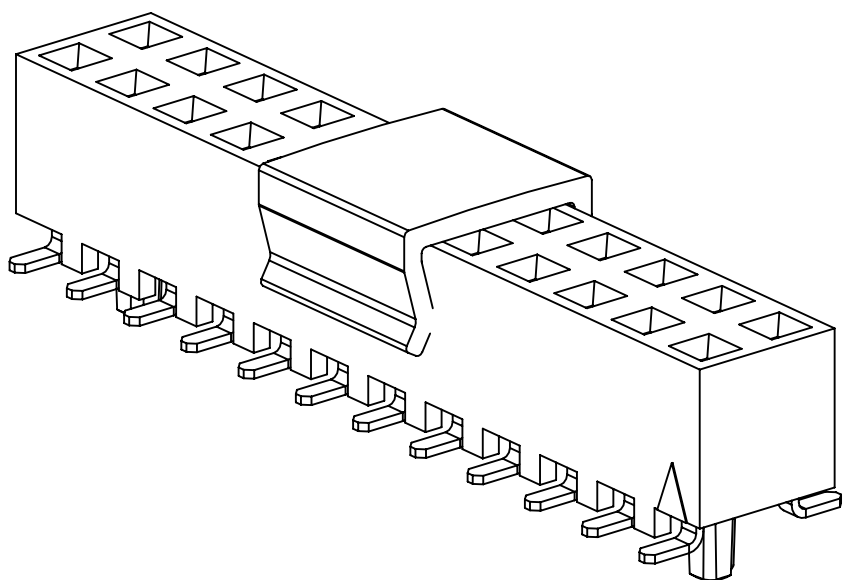


3M™ BOARDMOUNT SOCKET, 1502 SERIES
2.00MM X 2.00MM STRAIGHT AND SURFACE MOUNT, PLATED THROUGH HOLE



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
Author CODES		CASTIGLIONE	SEP 03,2015	MFG	DATE	
		CHKD		DATE	APPRV G. MATHEWS	DATE SEP 03,2015
DIVISION	DIVISION CODE EMSD	© 3M COPYRIGHT 2017 3M Center St. Paul, MN 55144 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	SCALE 6 1	TOLERANCES EXCEPT AS NOTED		TITLE BOARDMOUNT SOCKET, 2MM X 2MM, STRAIGHT & SMT, PAC 20		
THIRD ANGLE PROJECTION		INCHES 0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002		CAGE NUMBER D78-5100-0519-8		
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ±.2 .0 ±.13 .00 ±.005		REV. K		
MAX SURFACE ROUGHNESS 12.5 SURFACES ✓ MARKED ONLY		ANGLES		MODEL 1502		
				DET LISTS		
				YES X NO SHT 1 OF 4		

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

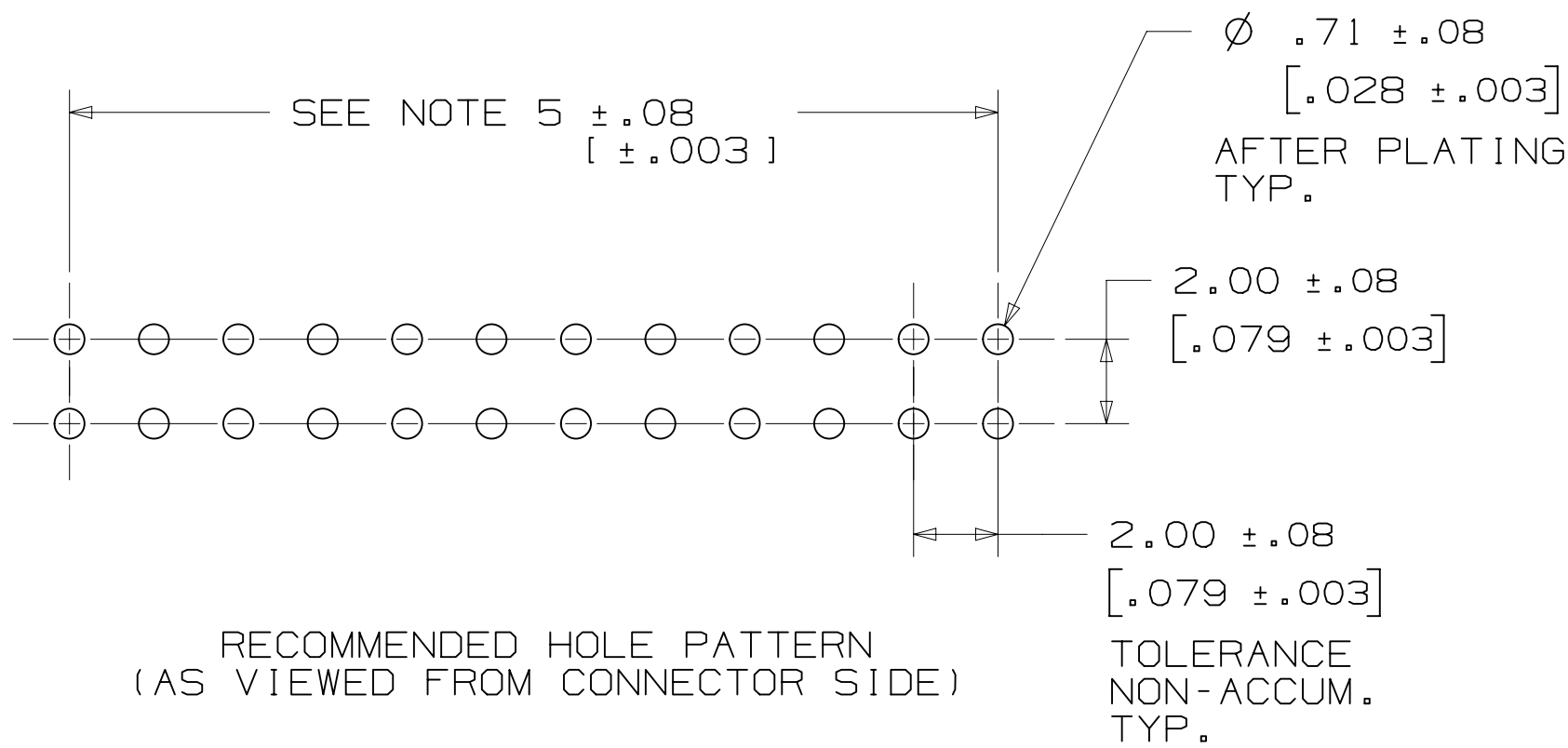
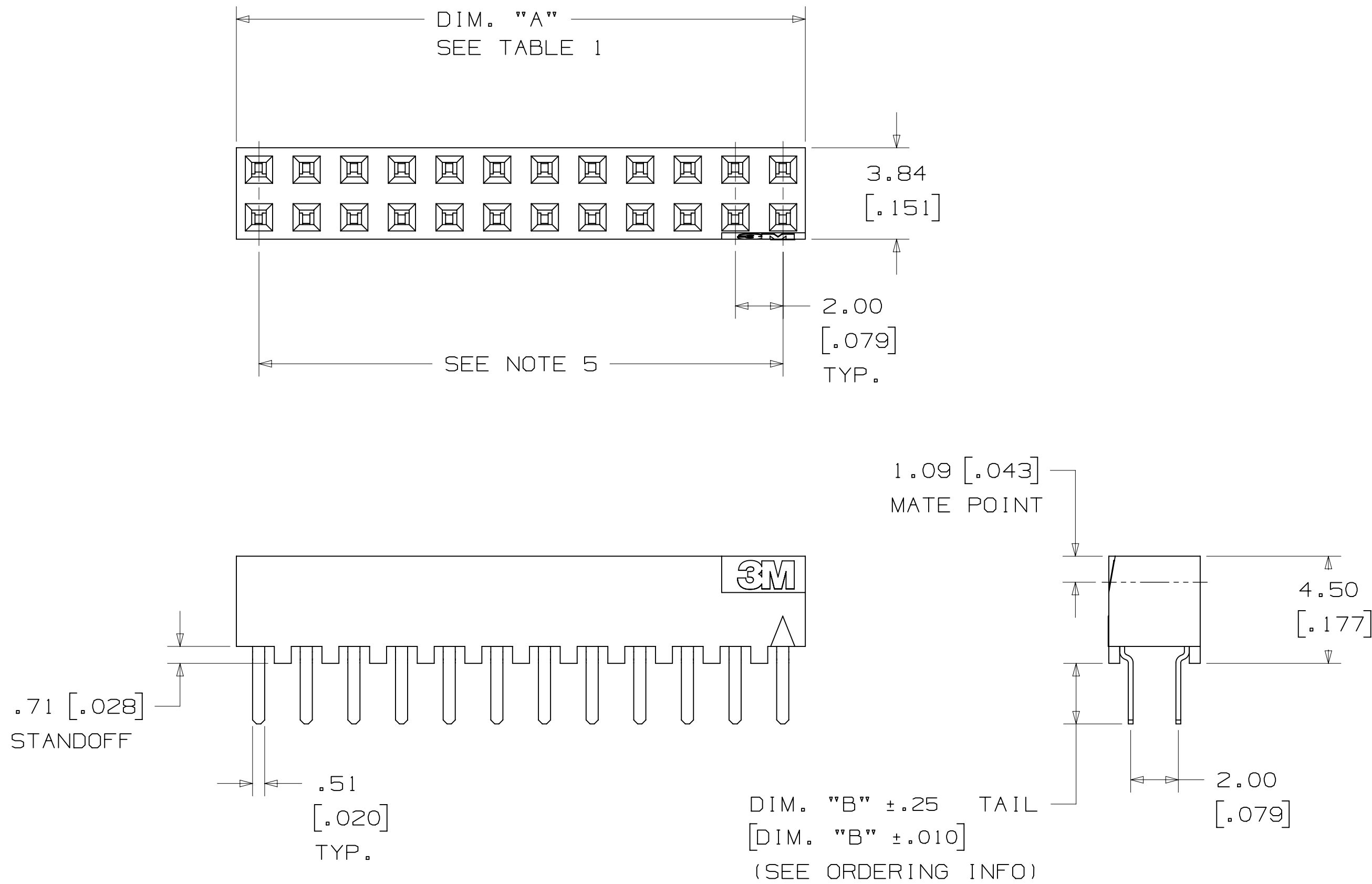


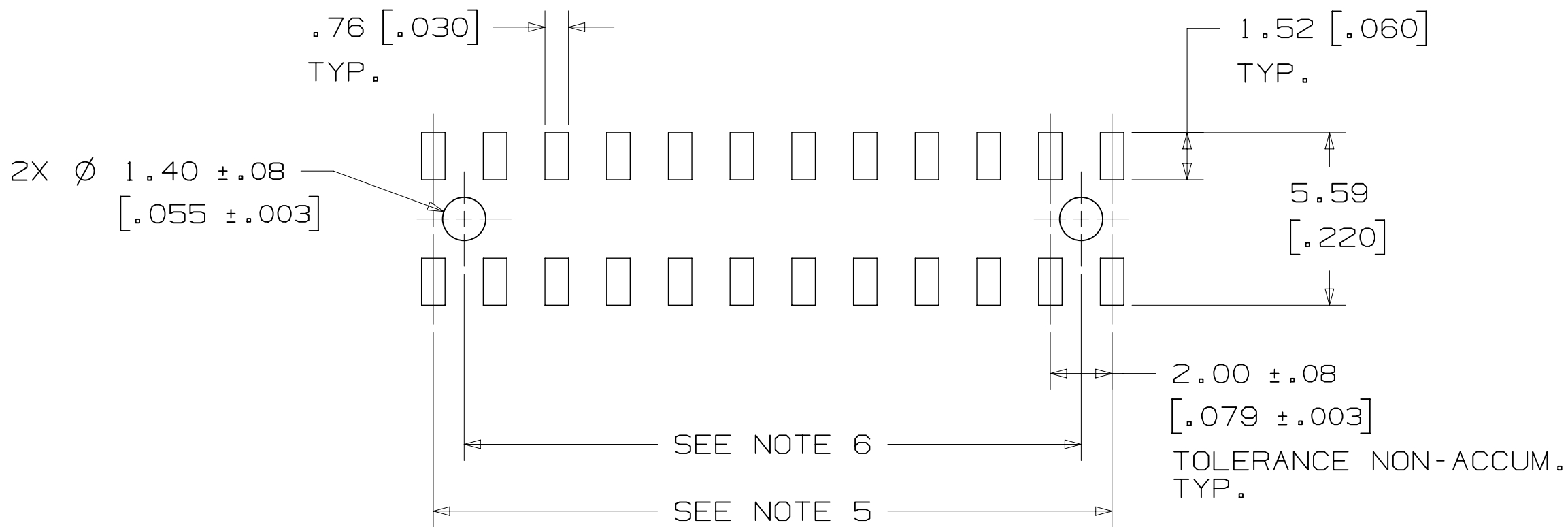
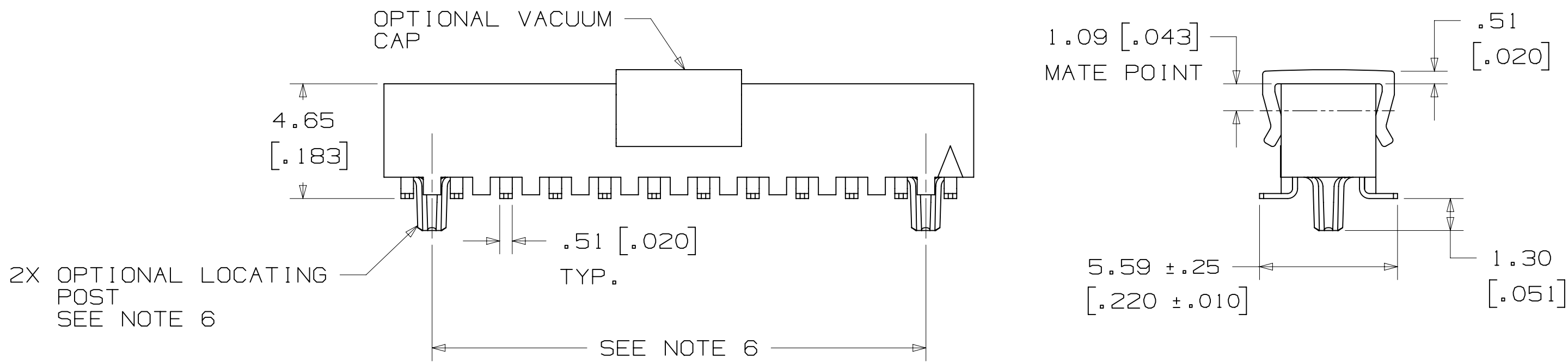
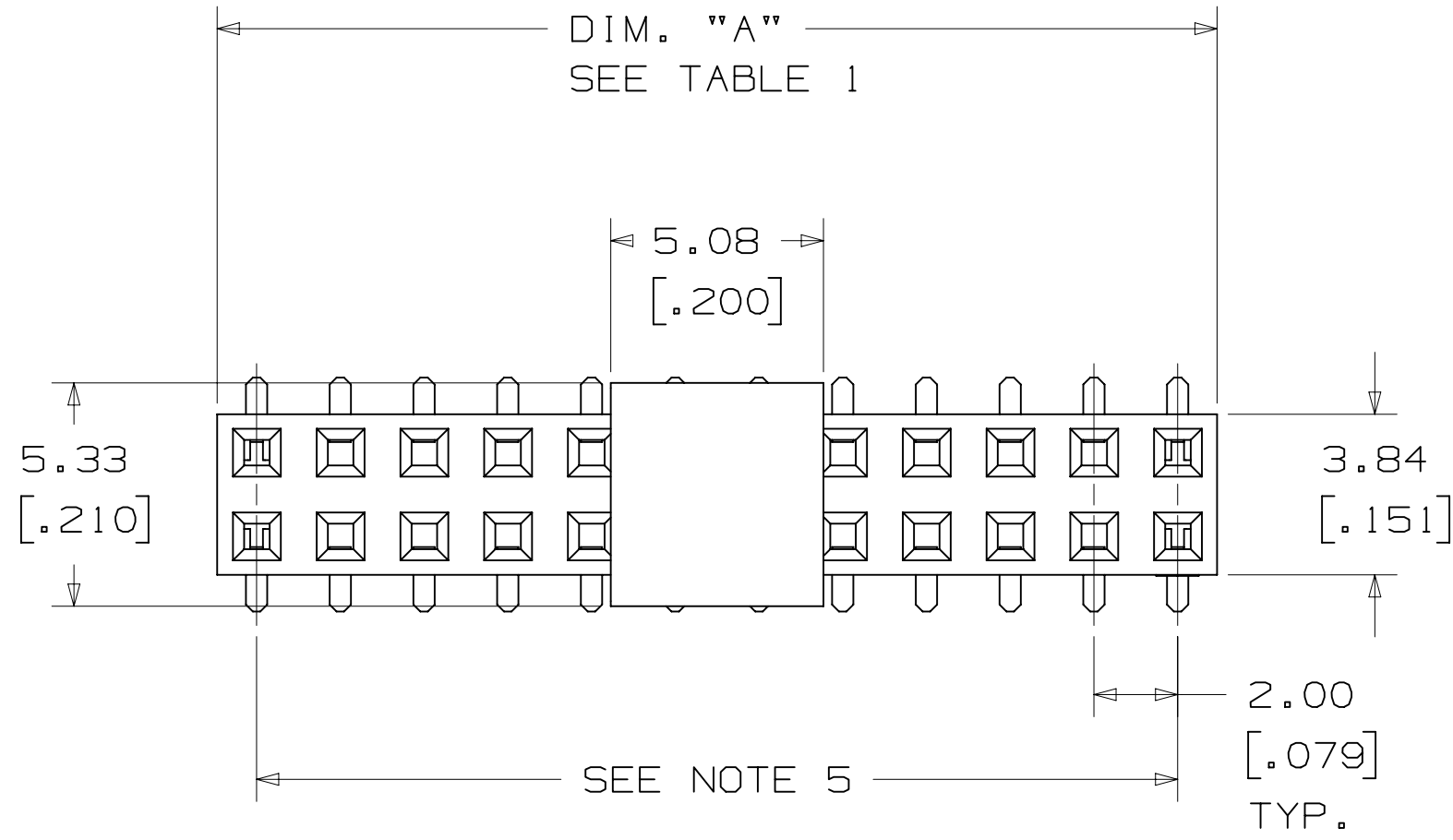
TABLE 1	
CONTACT QTY.	DIM. "A"
04	3.96 [.156]
06	5.87 [.231]
08	7.87 [.310]
10	9.88 [.389]
12	11.86 [.467]
14	13.87 [.546]
16	15.88 [.625]
18	17.88 [.704]
20	19.86 [.782]
22	21.87 [.861]
24	23.88 [.940]
26	25.88 [1.019]
28	27.86 [1.097]
30	29.87 [1.176]
32	31.88 [1.255]
34	33.88 [1.334]
36	35.86 [1.412]
38	37.87 [1.491]
40	39.88 [1.570]
42	41.88 [1.649]
44	43.87 [1.727]
46	45.87 [1.806]
48	47.88 [1.885]
50	49.89 [1.964]
52	51.87 [2.042]
54	53.87 [2.121]
56	55.88 [2.200]
58	57.86 [2.278]
60	59.87 [2.357]

ORDERING INFORMATION
STRAIGHT
1502XX-600X-RB

CONTACT QTY.: SEE TABLE 1
SOLDER TAIL LENGTH: DIMENSION "B"
1 = 1.4MM (SPECIAL ORDER)
2 = 2.54MM (STANDARD)

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
K0000				DRP	CAST	GLIONE		SEP 03,2015	MFG
CHGD				DATE	SEP 03,2015	DATE		SEP 03,2015	DATE
DIVISION		DIVISION CODE		APPR		G. MATHEWS		DATE	
DO NOT SCALE DRAWING		SCALE 6 1		TOLERANCES EXCEPT AS NOTED		INCHES .0 .000 .0000		MILLIMETERS 0 .0 .000 .0000	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY	
TITLE		BOARDMOUNT SOCKET, 2MM X 2MM, STRAIGHT & SMT, PAC 20		CAGE NUMBER		D78-5100-0519-8		REV. K	
MODEL		1502		DET		YES		NO	
SHT		2		OF		4			

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)

TABLE 1			
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)

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
3M Center St. Paul, MN 55144	3M Center St. Paul, MN 55144	SEP 03,2015	SEP 03,2015	SEP 03,2015	SEP 03,2015	SEP 03,2015
DO NOT SCALE DRAWING	SCALE 6 1	TOLERANCES EXCEPT AS NOTED	INCHES .00 ±.01 .000 ±.005 .0000 ±.0002	MILLIMETERS 0 ±.2 .00 ±.13 .000 ±.005	MARKED ONLY	ANGLES
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MAX SURFACE ROUGHNESS	0.00 ±.13 .000 ±.005	0.00 ±.13 .000 ±.005	0.00 ±.13 .000 ±.005	0.00 ±.13 .000 ±.005
3M	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.	TITLE	BOARDMOUNT SOCKET, 2MM X 2MM, STRAIGHT & SMT, PAC 20	REV.
CAGE NUMBER	SIZE	DRAWING NO.	REV.	MODEL	1502	DET
D	78-5100-0519-8	K	SHT 3 OF 4	LISTS	YES	NO

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DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION	JNC	ARM
K 63282		SEP 03, 2015		REDRAWN & REMOVED RIGHT ANGLE				
ADDRESS CODES 				DATE SEP 03, 2015		MFG DATE SEP 03, 2015		DRFT CHKD
DIVISION DO NOT SCALE DRAWING 				DIVISION CODE EMSD		APPR. G. MATHEWS		DATE SEP 03, 2015
TOLERANCES EXCEPT AS NOTED INCHES .00 .01 .0000 .0002 MILLIMETERS 0 .12 .00 .13 .0000 .0005				3M Center St. Paul, MN 55114 TITLE BOARDMOUNT SOCKET, 2MM X 2MM, STRAIGHT & SMT, PAC 20		© 3M COPYRIGHT 2017 This document and the information it contains are 3M property and shall not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.		
THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2009 MAX SURFACE ROUGHNESS 125 SURFACES MARKED ONLY				SIZE D		DRAWING NO. 5100-0519-8		REV. K
MODEL 1502				DET. LISTS ☒ YES ☒ NO		SHT 4 OF 4		

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