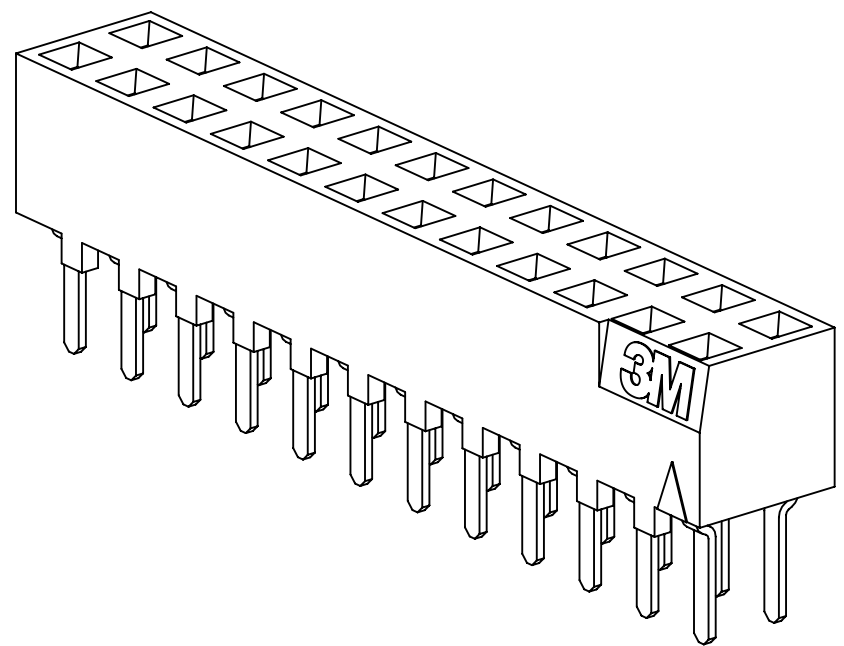
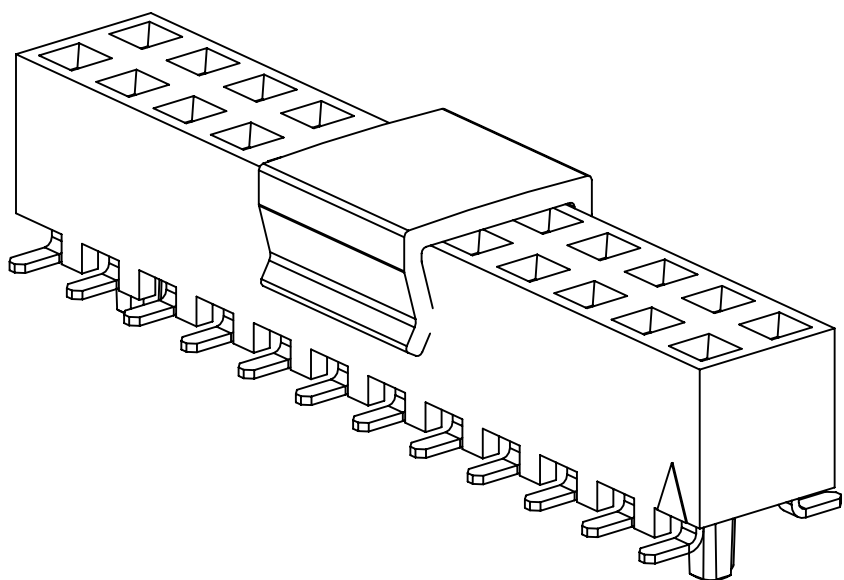


3M™ BOARDMOUNT SOCKET, 1502 SERIES
2.00MM X 2.00MM STRAIGHT AND SURFACE MOUNT, PLATED THROUGH HOLE



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 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				
		INCHES 0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002				
THIRD ANGLE PROJECTION		MILLIMETERS 0 ±.2 .0 ±.3 .00 ±.13 .000 ±.005				
INTERPRET PER ASME Y14.5 - 2009		CAGE NUMBER D78-5100-0519-8				
MAX SURFACE ROUGHNESS 0.4 µm SURFACES ✓ MARKED ONLY		MODEL 1502				
		REV. K				
		DET LISTS				
		YES				
		NO				
		SHT 1 OF 4				

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

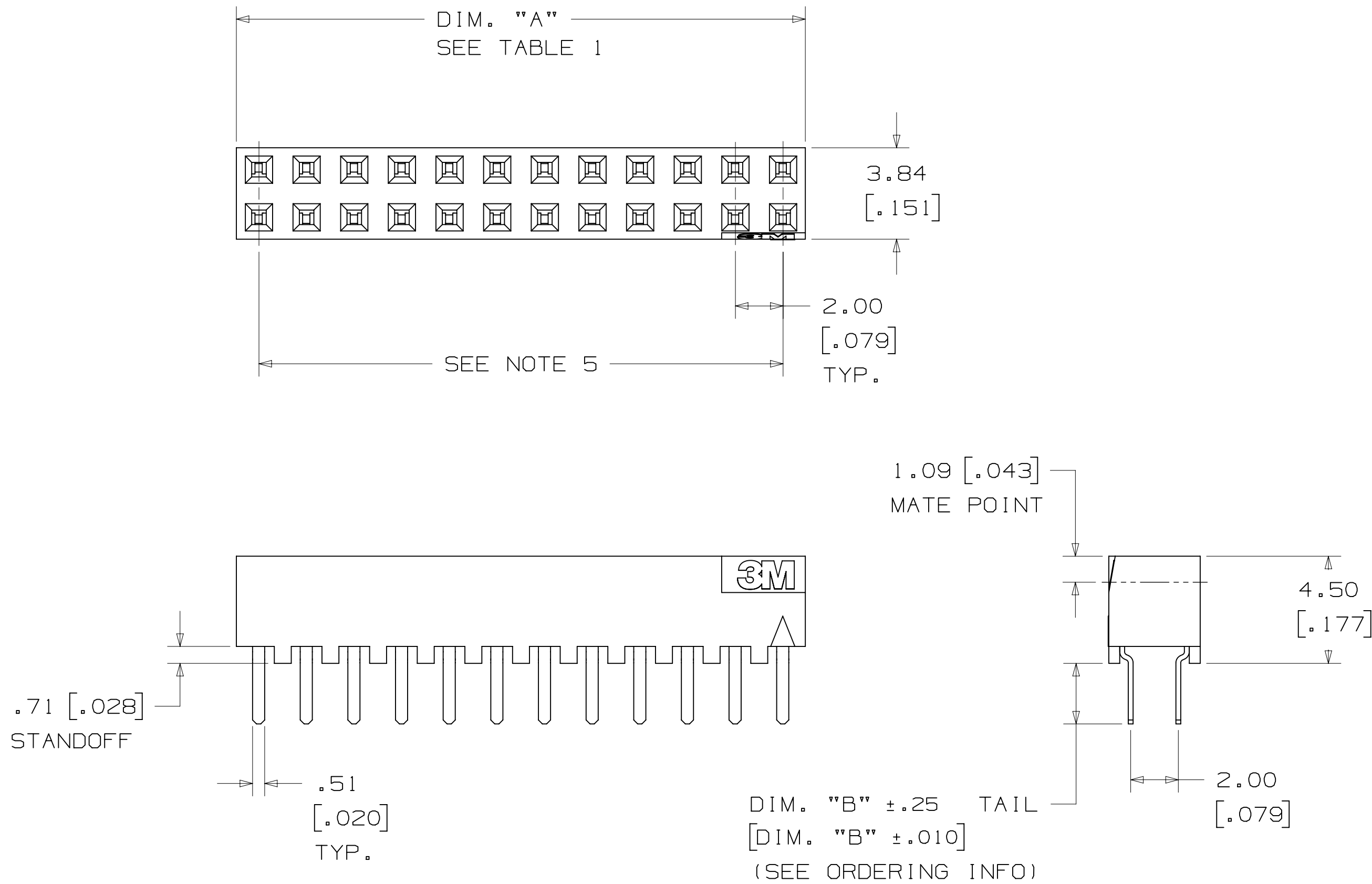
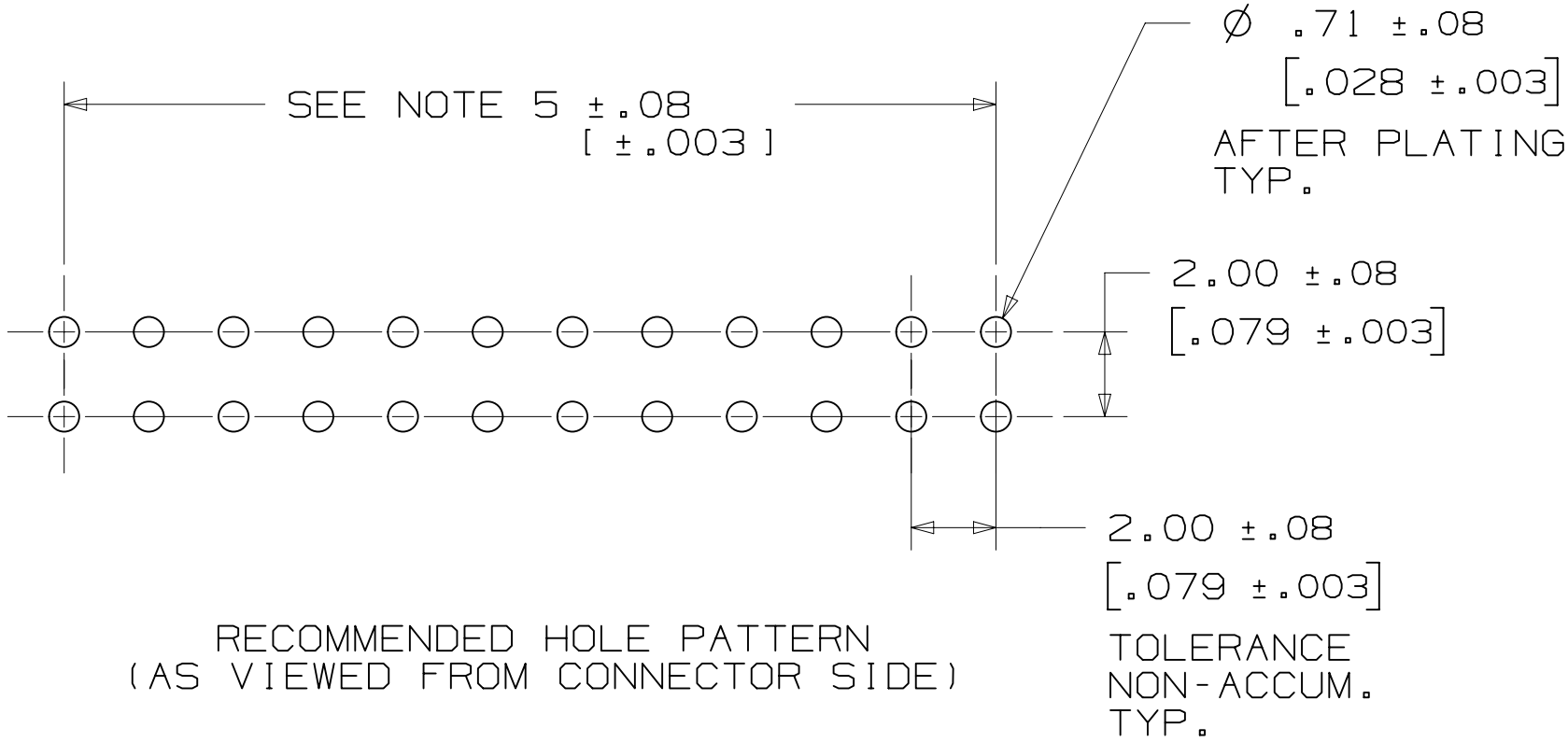


TABLE 1	
CONTACT QTY.	DIM. "A"
04	3.96 [.156]
06	5.87 [.231]
08	7.87 [.310]
10	9.88 [.389]
12	11.86 [.467]
14	13.87 [.546]
16	15.88 [.625]
18	17.88 [.704]
20	19.86 [.782]
22	21.87 [.861]
24	23.88 [.940]
26	25.88 [1.019]
28	27.86 [1.097]
30	29.87 [1.176]
32	31.88 [1.255]
34	33.88 [1.334]
36	35.86 [1.412]
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

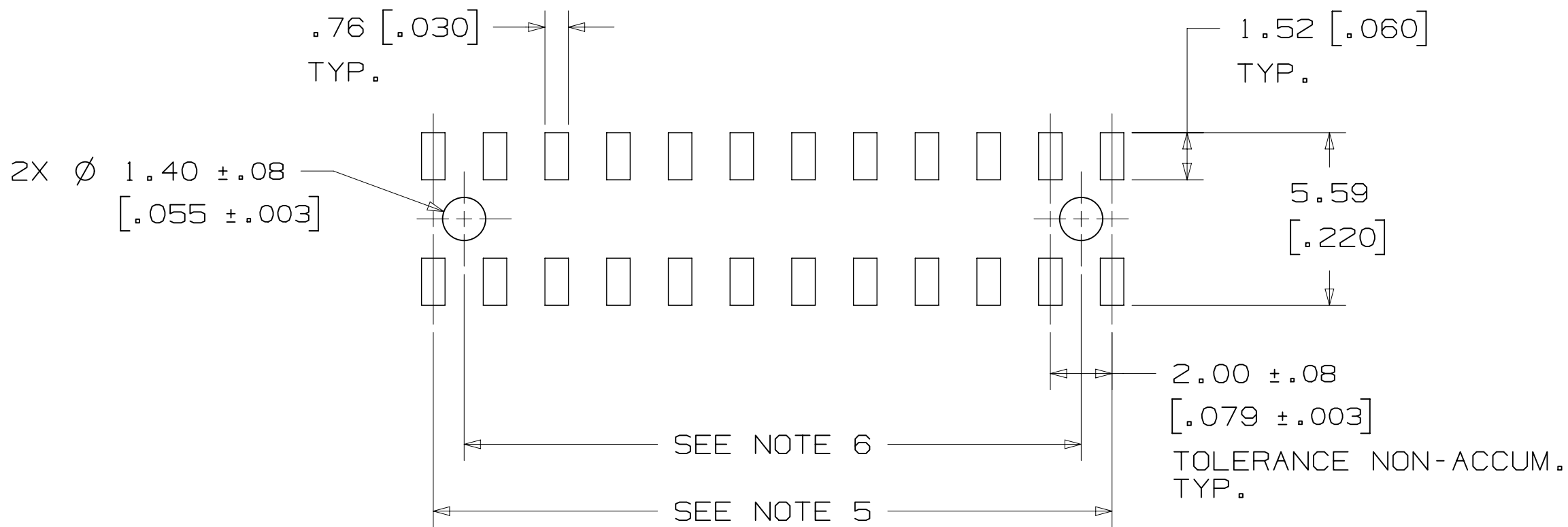
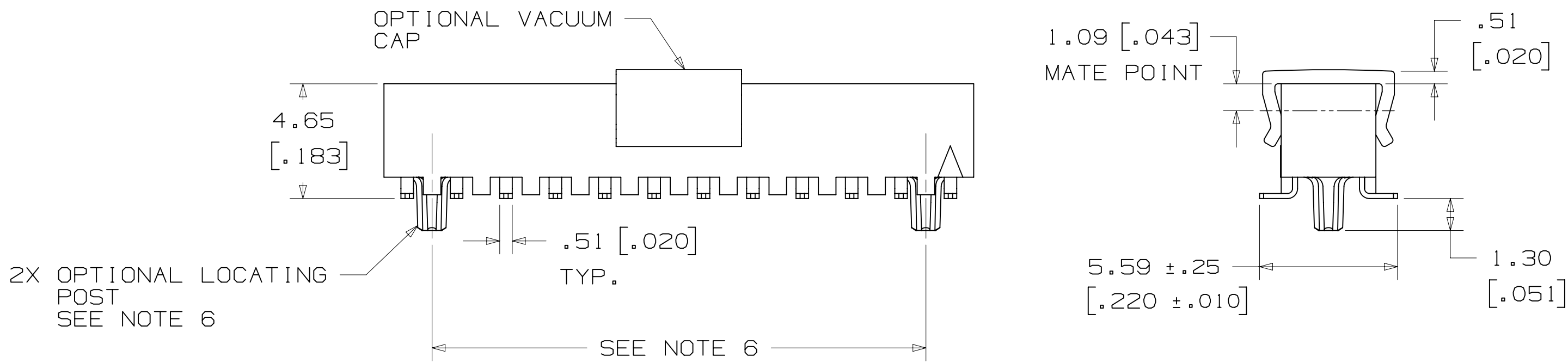
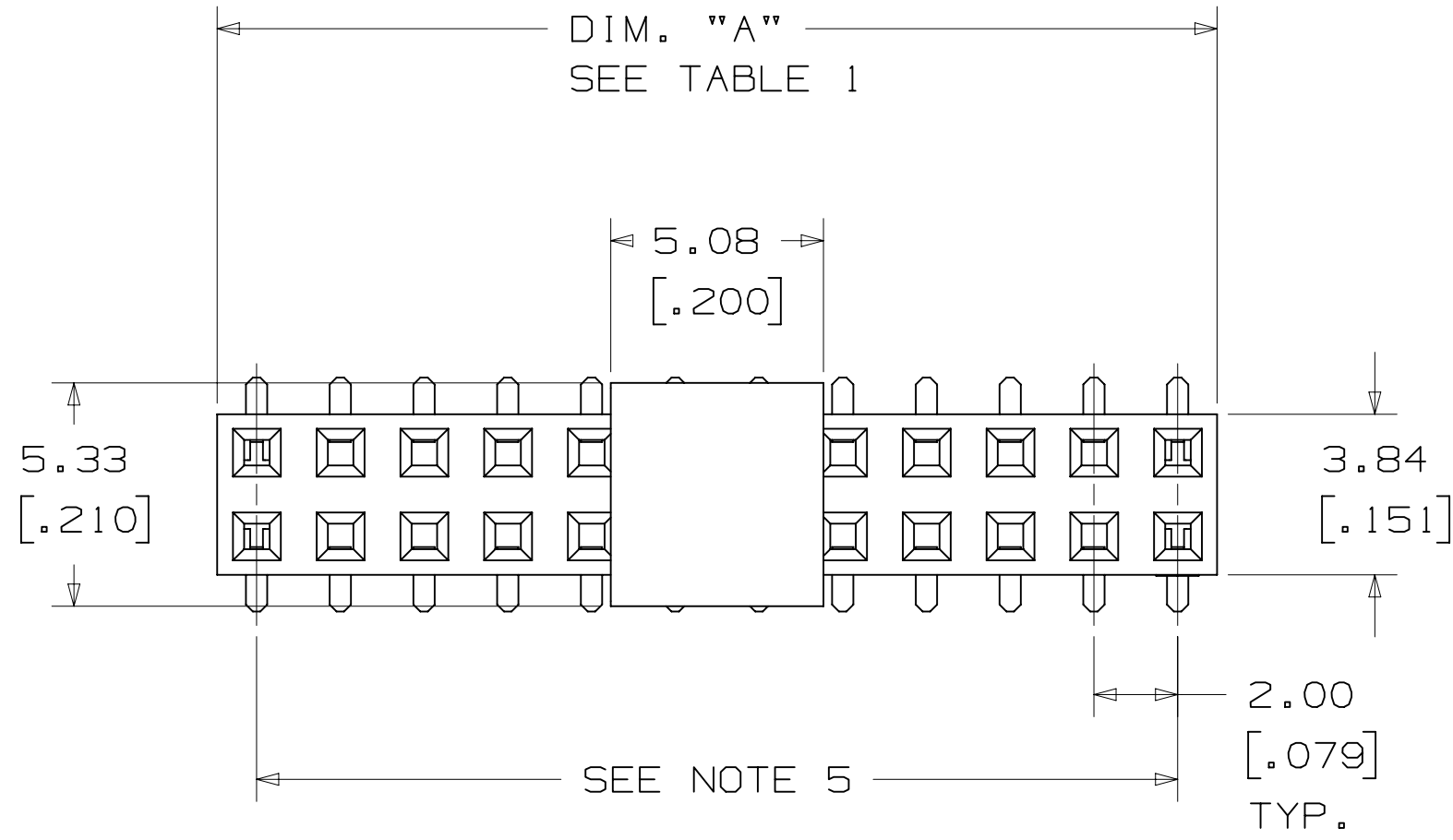
CONTACT QTY.:
SEE TABLE 1

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
3M Center St. Paul, MN 55144	EMSD	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 .0 .000 .0000	MILLIMETERS 0 .0 .000 .0000	INTERPRET PER ASME Y14.5 - 2009	MAX SURFACE ROUGHNESS .000 .000 .0000
THIRD ANGLE PROJECTION	THIRD ANGLE PROJECTION	THIRD ANGLE PROJECTION	THIRD ANGLE PROJECTION	THIRD ANGLE PROJECTION	THIRD ANGLE PROJECTION	THIRD ANGLE PROJECTION
MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY
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	CAGE NUMBER D78-5100-0519-8	REV. K
MODEL 1502	DET. Lists	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
XREF CODES				DRP	C	CASTIGLIONE		SEP 03,2015	MFG
				CHKD		DATE		SEP 03,2015	DATE
DIVISION		DIVISION CODE		APPRV		G. MATHEWS		DATE	
DO NOT SCALE DRAWING		SCALE 6 1		TOLERANCES EXCEPT AS NOTED		3M		© 3M COPYRIGHT 2017	
THIRD ANGLE PROJECTION		INCHES .00 ±.01 .000 ±.005 .0000 ±.0002		MILLIMETERS 0 ±.2 .00 ±.13 .000 ±.005		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.	
MAX SURFACE ROUGHNESS		INTERPRET PER ASME Y14.5 - 2009		CAGE NUMBER		SIZE		DRAWING NO.	
✓ MARKED ONLY				D		78-5100-0519-8		REV. K	
				MODEL		1502		DET	
								YES 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 DO NOT SCALE DRAWING 				DIVISION CODE EMSD TOLERANCES EXCEPT AS NOTED INCHES .0 .±.1 .00 .±.01 .000 .±.005 .0000 .±.0002 MILLIMETERS 0 .±2 .0 .±.3 .00 .±.13 .000 .±.005		APPR. G. MATHEWS		DATE SEP 03,2015	
THIRD ANGLE PROJECTION 				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.		DET. LISTS ☒ YES ☒ NO	
INTERPRET PER ASME Y14.5 - 2009 MAX SURFACE ROUGHNESS 				SIZE DRAWING NO. D78-5100-0519-8		REV. K		SHT 4 OF 4	
MARKED ONLY ☒ MARKED ONLY				MODEL 1502					

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