

A perspective view of a 16-pin DIP package. The package is rectangular with a central notch on the top surface. It has two rows of pins, with 8 pins on each side. The pins are staggered, with the outer pins being longer than the inner pins. The package is shown from an isometric perspective, highlighting its three-dimensional structure.

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

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 PRECEDENCE.
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.

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DIMENSIONS: MM [INCH] [INCH] FOR REF. ONLY				K	63282	SEP 03, 2015				JNC	ARM		
				REDRAWN & REMOVED RIGHT ANGLE									
DESIGN		REFERENCE	NEXT	ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION			DFT	CHKD		
ACCESS CODES					REF	CAST	1		LINE	DATE	SEP 03, 2015	MPG	DATE
					CHKD				DATE	APPR. Q. MATHEWS		DATE	
											SEP 03, 2015		
DIVISION				DIVISION CODE				© 3M COPYRIGHT 2017					
DO NOT SCALE DRAWING		SCALE $\frac{1}{1}$		TOLERANCES EXCEPT AS NOTED		3M 3M Center St. Paul, MN 55144		This document and its information is to be controlled by 3M property and may not be reproduced or further distributed without the written permission of, or used or disclosed other than for 3M authorized purposes. All rights reserved.					
THIRD ANGLE PROJECTION				INCHES .00 ± .01 .0000 ± .0005 .0000 ± .0002				TITLE BOARDMOUNT SOCKET, 2MM X 2MM, STRAIGHT & SMT, PAC 20					
INTERPRET PER ASME Y14.5 - 2009				MILLIMETERS 0 ± .2 0.0 ± .3 0.000 ± .005				CAGE NUMBER D DRAWING NO. 78-5100-0519-8					
MAX. SURFACE ROUGHNESS ✓ ☐ MARKED ONLY				ANGLES				REV. K					
				MODEL 1502				DET. ☐ LISTS ☐ YES ☒ NO SHT 1 OF 4					

Imaged: K.3 Central Standard Time 12/7/2017UTC Offset

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

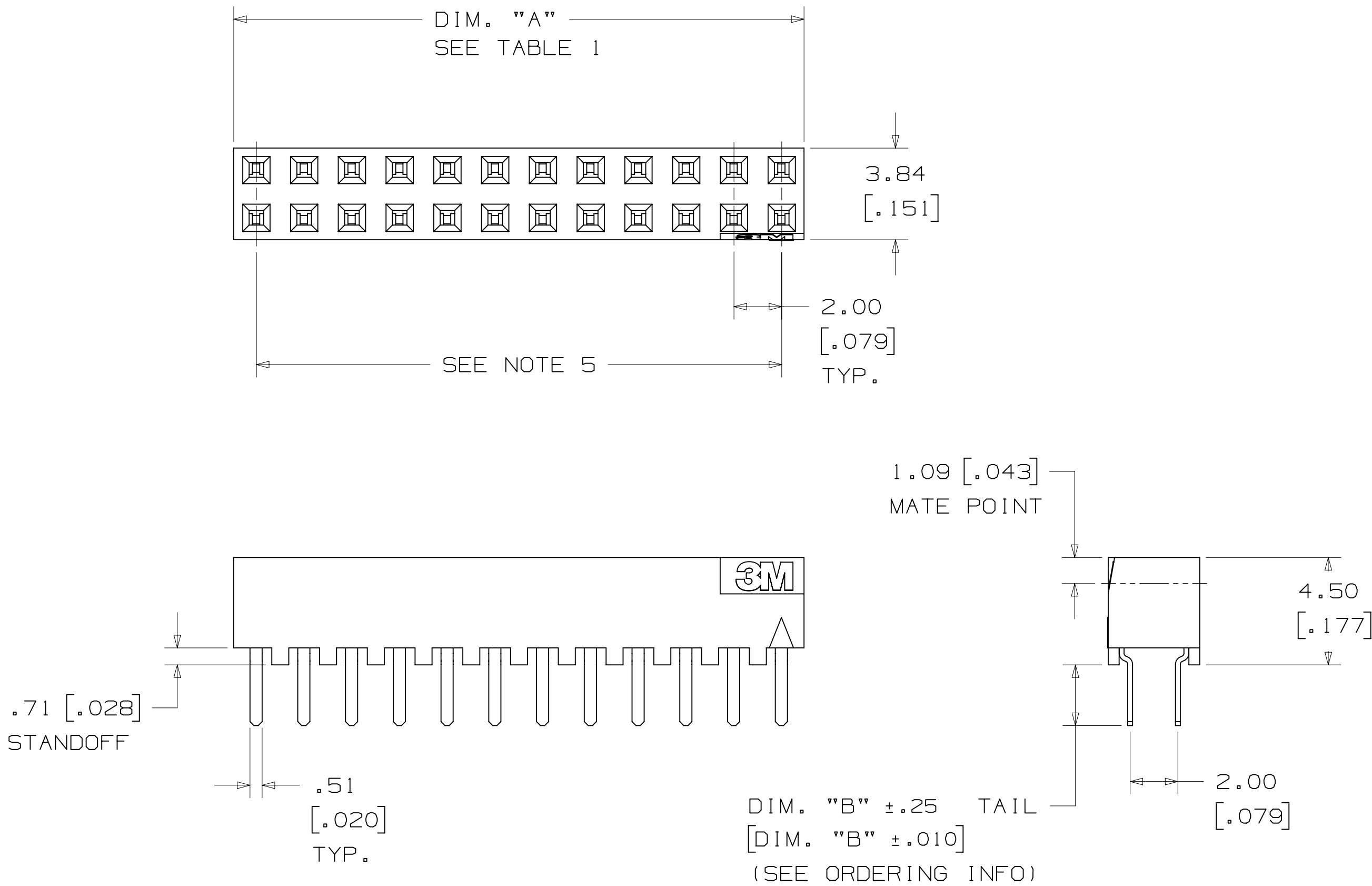
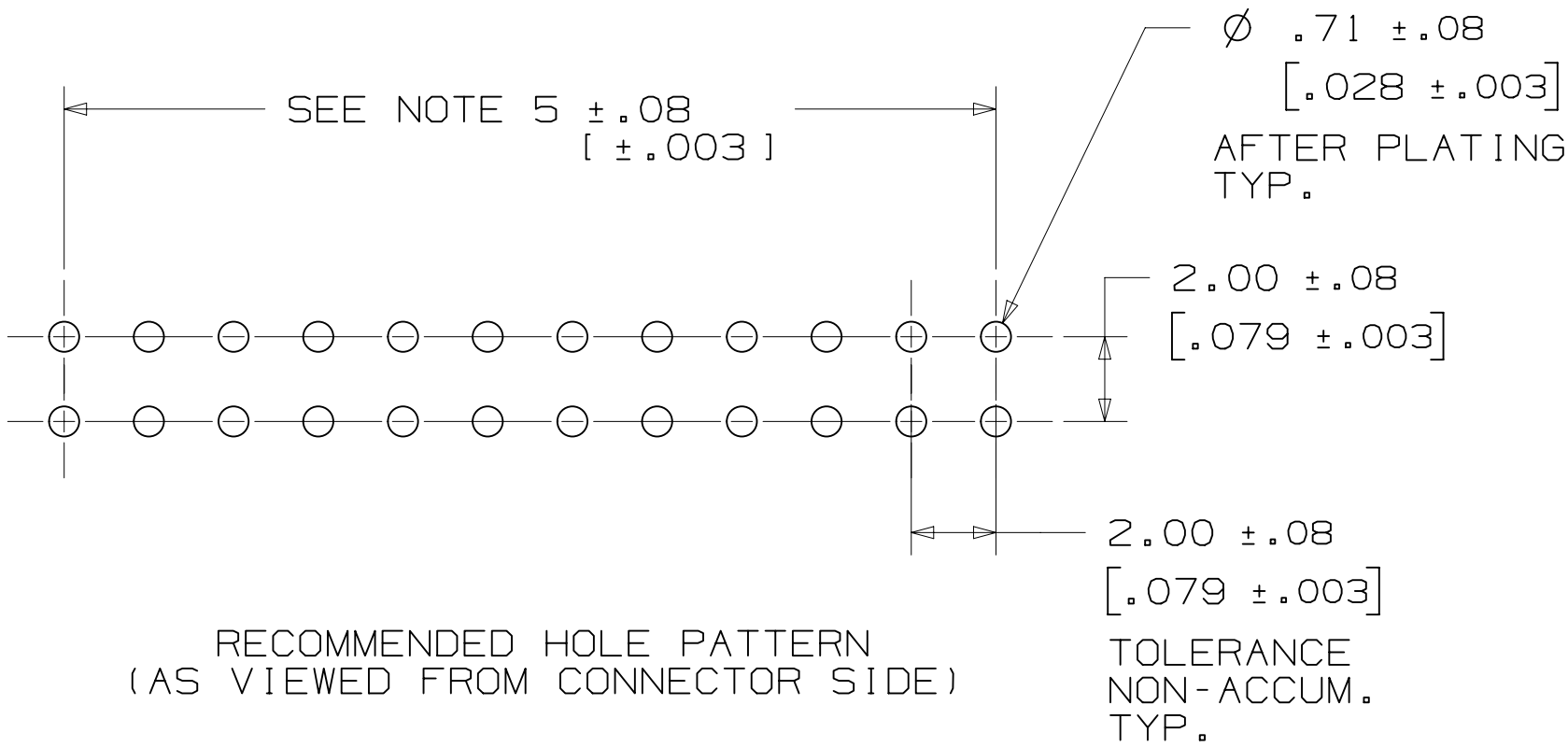


TABLE 1	
CONTACT QTY.	DIM. "A"
04	3.96 [.156]
06	5.87 [.231]
08	7.87 [.310]
10	9.88 [.389]
12	11.86 [.467]
14	13.87 [.546]
16	15.88 [.625]
18	17.88 [.704]
20	19.86 [.782]
22	21.87 [.861]
24	23.88 [.940]
26	25.88 [1.019]
28	27.86 [1.097]
30	29.87 [1.176]
32	31.88 [1.255]
34	33.88 [1.334]
36	35.86 [1.412]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

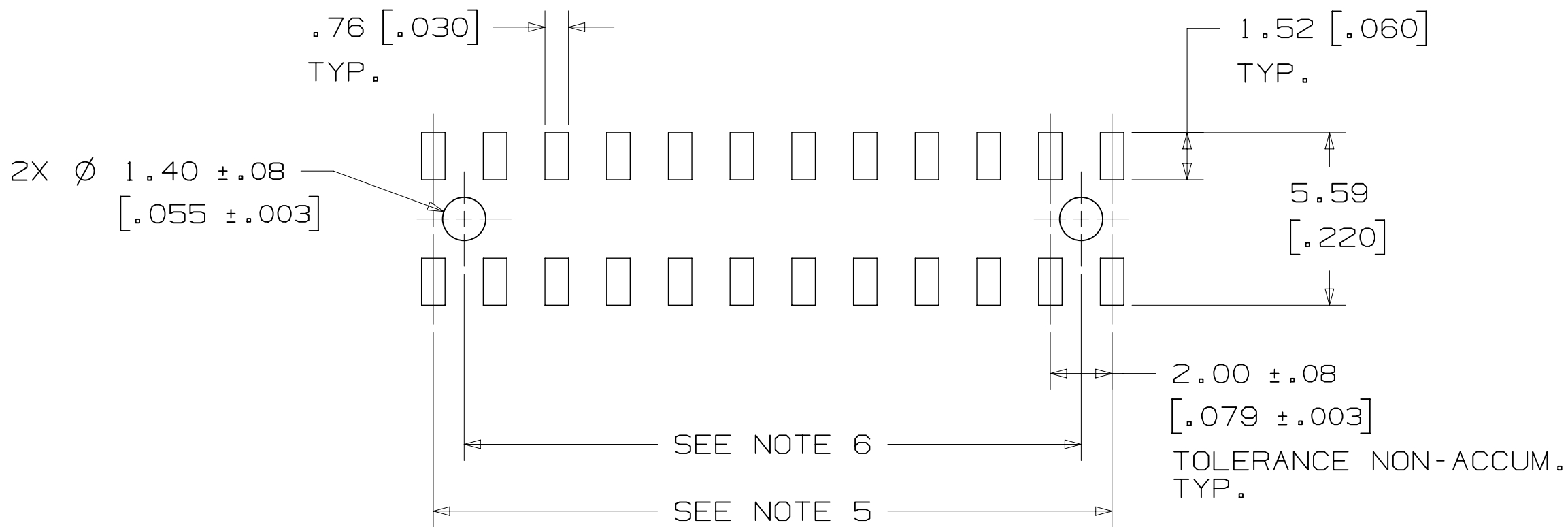
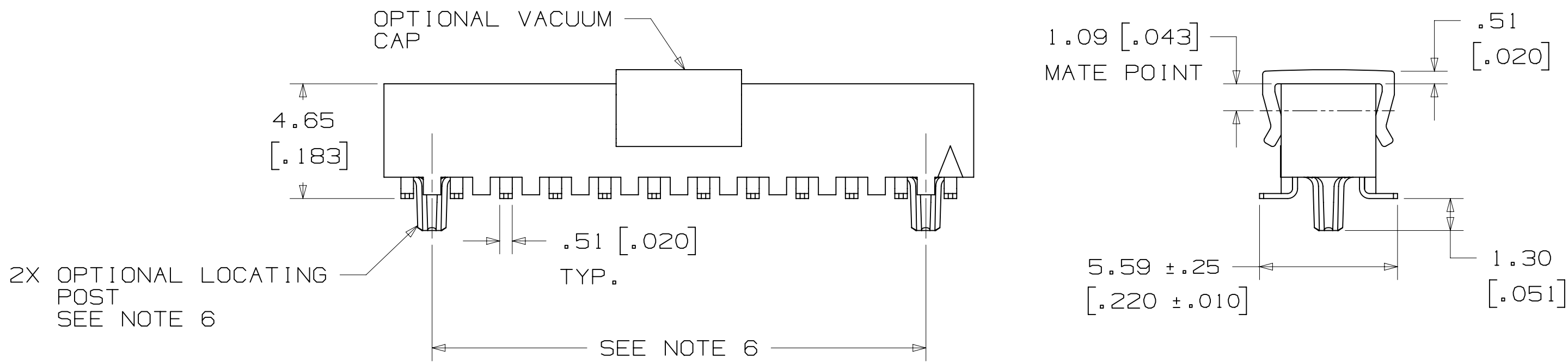
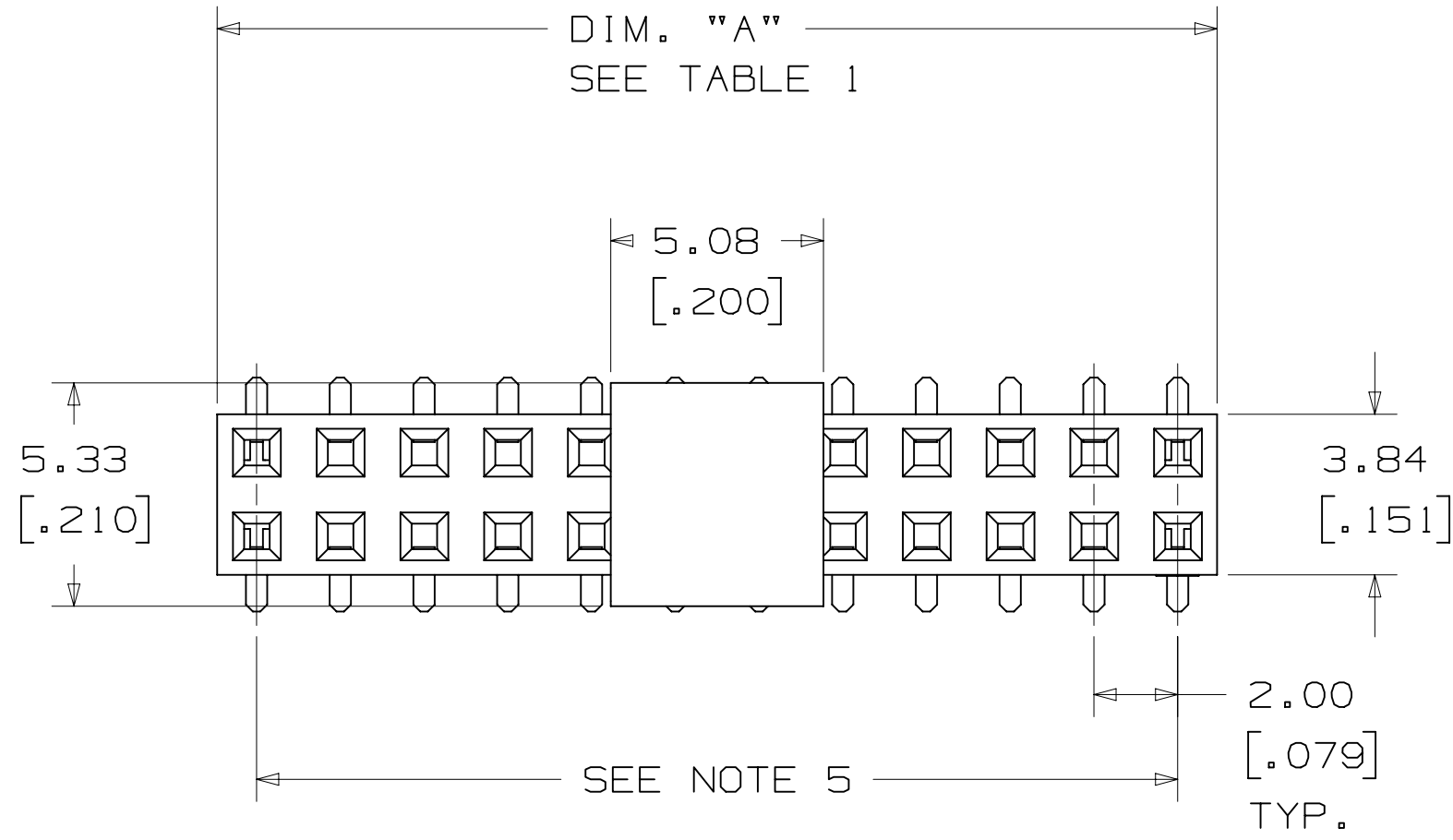
ORDERING INFORMATION
STRAIGHT
1502XX-600X-RB

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	3M Center St. Paul, MN 55144	SEP 03,2015	SEP 03,2015	SEP 03,2015	SEP 03,2015	SEP 03,2015
DIVISION	DIVISION CODE	EMSD	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.		
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	0 .0 .000 .0000	0 .0 .000 .0000		
MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY		
CAGE NUMBER	SIZE	DRAWING NO.	REV.	MODEL	1502	1
78-5100-0519-8	K	78-5100-0519-8	K	78-5100-0519-8	K	78-5100-0519-8
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
XREF CODES		XREF CODES		DRP	CASTIGLIONE	DATE	SEP 03,2015	MFG	DATE
DIVISION		DIVISION CODE		CHKD		DATE	SEP 03,2015	APPR	DATE
DO NOT SCALE DRAWING		SCALE 6 1		TOLERANCES EXCEPT AS NOTED		© 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			
MAX SURFACE ROUGHNESS		SURFACES		CAGE NUMBER		SIZE	DRAWING NO.	REV.	
MARKED ONLY		ANGLES		D		78-5100-0519-8	K	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.	
MODEL		1502		DET		LISTS	YES	NO	SHT 3 OF 4

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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		DIVISION CODE		DATE		DATE		
		EMSD		CASTIGLIONE		MFG		
		TOLERANCES EXCEPT AS NOTED		CHD		DATE		
		INCHES		APPL.		DATE		
DO NOT SCALE DRAWING		SCALE 1 1		G. MATHEWS		SEP 03, 2015		
THIRD ANGLE PROJECTION		MILLIMETERS		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2017		
INTERPRET PER ASME Y14.5 - 2009		0.0 ±.1 0.00 ±.01 0.000 ±.005 0.000 ±.0002		TITLE		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.		
MAX. SURFACE ROUGHNESS ✓ ☐ MARKED ONLY		0 ±.1 0.00 ±.01 0.000 ±.005		BOARDMOUNT SOCKET, 2MM X 2MM, STRAIGHT & SMT, PAC 20				
		ANGLES		SIZE DRAWING NO.		REV.		
				CAGE NUMBER		D 78-5100-0519-8		K
				MODEL		DET. LISTS ☒ YES ☒ NO		SHT 4 OF 4