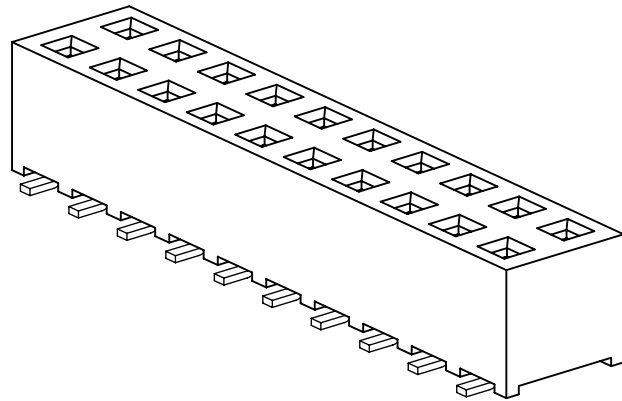


3M™ THROUGH-BOARD SOCKET, 96X SERIES
2.54MM X 2.54MM, LOW PROFILE SURFACE MOUNT



DUAL ROW, LOW PROFILE
SURFACE MOUNT VERSION
4.57MM TALL BODY
"9662XX"

3 PHYSICAL :

INSULATOR:
MATERIAL: HIGH TEMP THERMOPLASTIC
FLAMMABILITY: UL94V-0
COLOR: BLACK
CONTACT:
MATERIAL: COPPER ALLOY
PLATING:
UNDER PLATING: 1.27-2.54µm [50-100µ"] NICKEL-OVERALL
WIPING AREA: GOLD FLASH
SOLDER TAILS: 1-3µm [40-118µ"] MATTE TIN

3 ELECTRICAL :

CURRENT RATING: 3A
INSULATION RESISTANCE: >5 X 10⁸ OHm AT 100V_{dc}
WITHSTANDING VOLTAGE: 1000V_{ac} AT 60s

3 MECHANICAL :

INSERTION FORCE: ≤ 3N PER PIN
EXTRACTION FORCE: ≥ 0.3N PER PIN
RETENTION FORCE: ≥ 7N PER PIN

3 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO 125°C
PROCESSING TEMPERATURE: MAX. 260°C (PROFILE PER J-STD-020C)
MOISTURE SENSITIVITY LEVEL: 1 (PER J-STD-020C)

3 PACKING & STORING :

METHOD OF PACKING: TAPE AND REEL, OUTER BOX
STORING CONDITION: TEMPERATURE OF -10°C TO 40°C
BELOW 80% RELATIVE HUMIDITY

NOTES

1. MATERIAL: PLASTIC: HIGH TEMP LCP, UL94V-0
CONTACT: COPPER ALLOY.

2. REGULATORY INFORMATION: ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR COMPLIANCE INFORMATION (RIA E1 & C1 APPLY).

3. IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.

4. N = THE NUMBER OF CONTACTS.

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

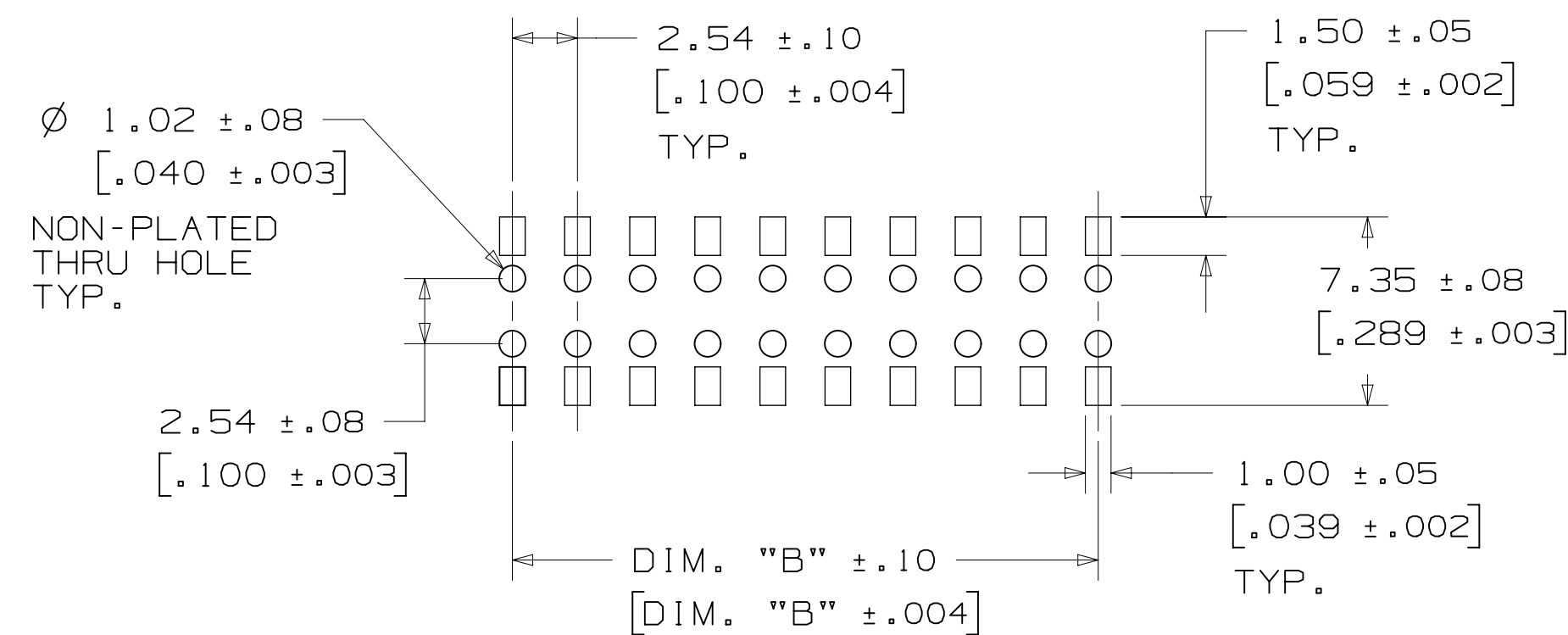
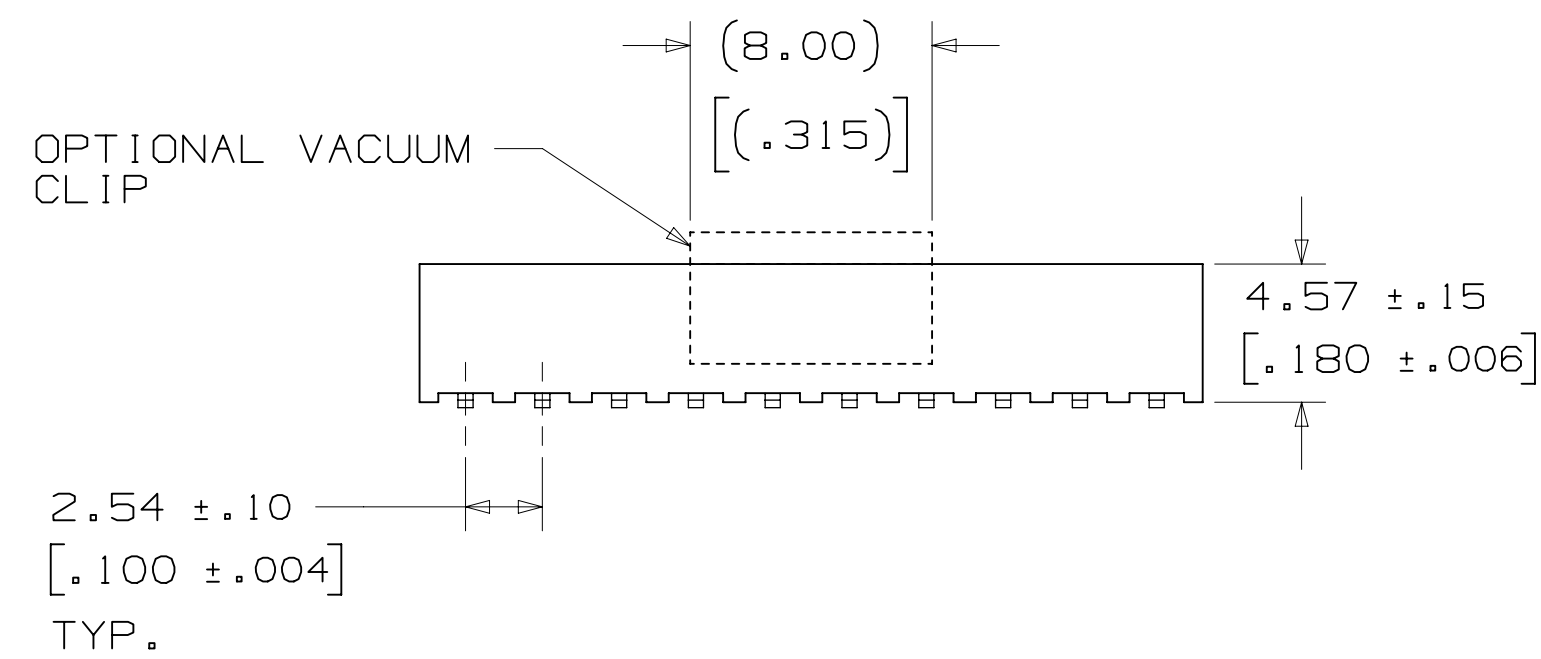
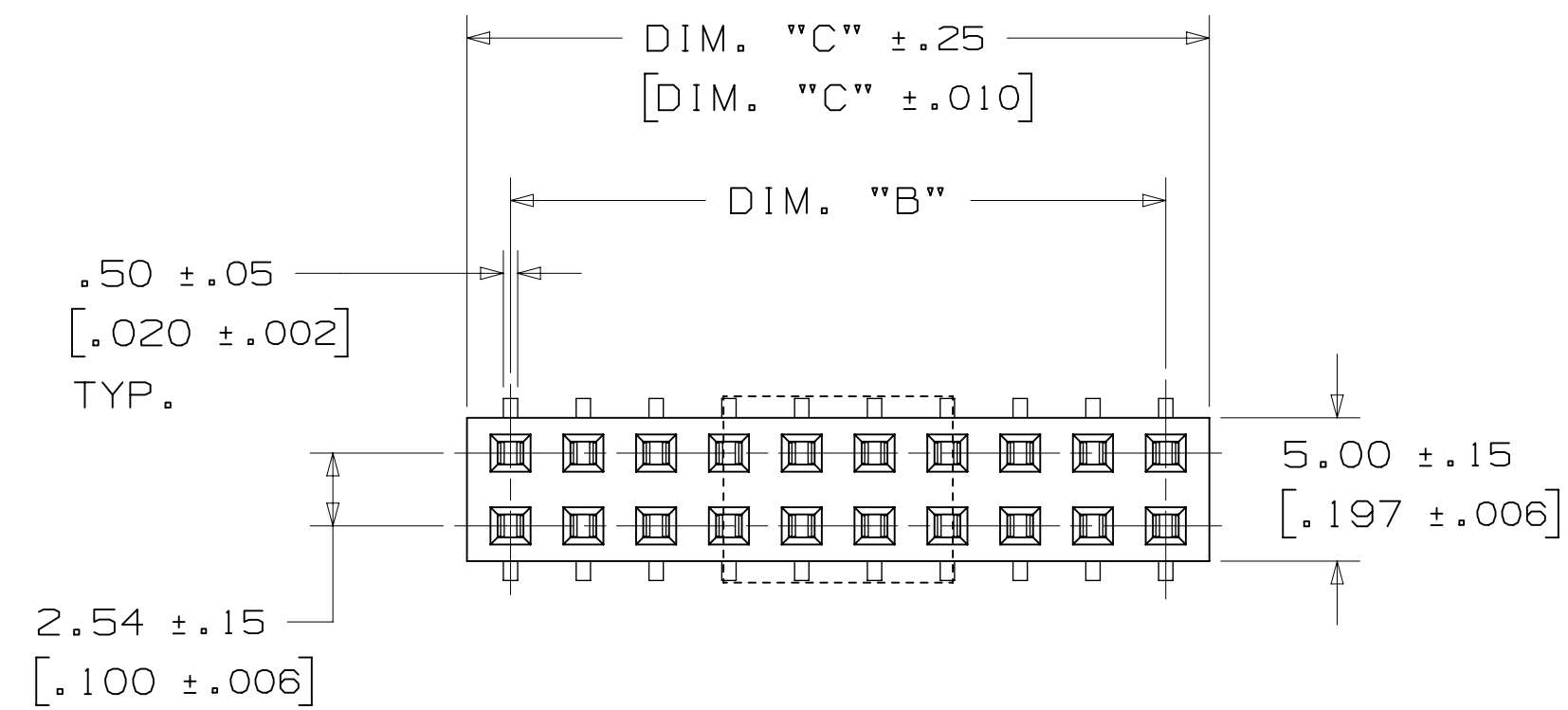
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INFORMATION CALL 800-225-5373

MM [INCH]			
TOLERANCE - UNLESS NOTED			
	X.	.X	.XX
MM	±.5	±.20	
[INCH]	±.02	±.008	
[] = DIM. FOR REFERENCE ONLY			

DIMENSIONS: MM [INCH]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES				DRP	CASTIGLIONE		DATE	MFG	DATE
				CHKD			JAN 12, 2015	T. SUNIGA	JAN 12, 2015
DIVISION		DIVISION CODE							
		EMSD							
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED					
				INCHES					
THIRD ANGLE PROJECTION				MILLIMETERS					
INTERPRET PER ASME Y14.5 - 2009				0 ±					
MAX SURFACE ROUGHNESS				0 ±					
SURFACES				0.00 ±					
MARKED ONLY				200 ±					
				ANGLES					
TITLE									
THRU-BOARD SKT, 2.54MM X 2.54MM, SURFACE MOUNT									
CAGE NUMBER		SIZE		DRAWING NO.		REV.			
D		78-5100-2652-5		A					
MODEL		96XX		DET		YES		NO	
				SHT		1		OF 3	

3M™ THROUGH-BOARD SOCKET, 96X SERIES



RECOMMENDED PC BOARD LAYOUT
(VIEWED FROM COMPONENT SIDE)

ORDERING INFORMATION

9662XX - 2000 - AR - XX

CONTACT QUANTITY:
04-60

- PACKAGING:
TP = TUBE WITHOUT CLIP (04 TO 60 POS)
PT = TUBE WITH CLIP (10 TO 60 POS)
PR = TAPE AND REEL WITH CLIP (10 TO 60 POS)

- PLATING:
AR = $1.27\mu\text{M}$ [$50\mu\text{IN}$] MIN. NICKEL ALL OVER
WIPING AREA: GOLD FLASH
SOLDER TAIL AREA: $1-3\mu\text{M}$ [$40-118\mu\text{IN}$] MIN. MATTE TIN

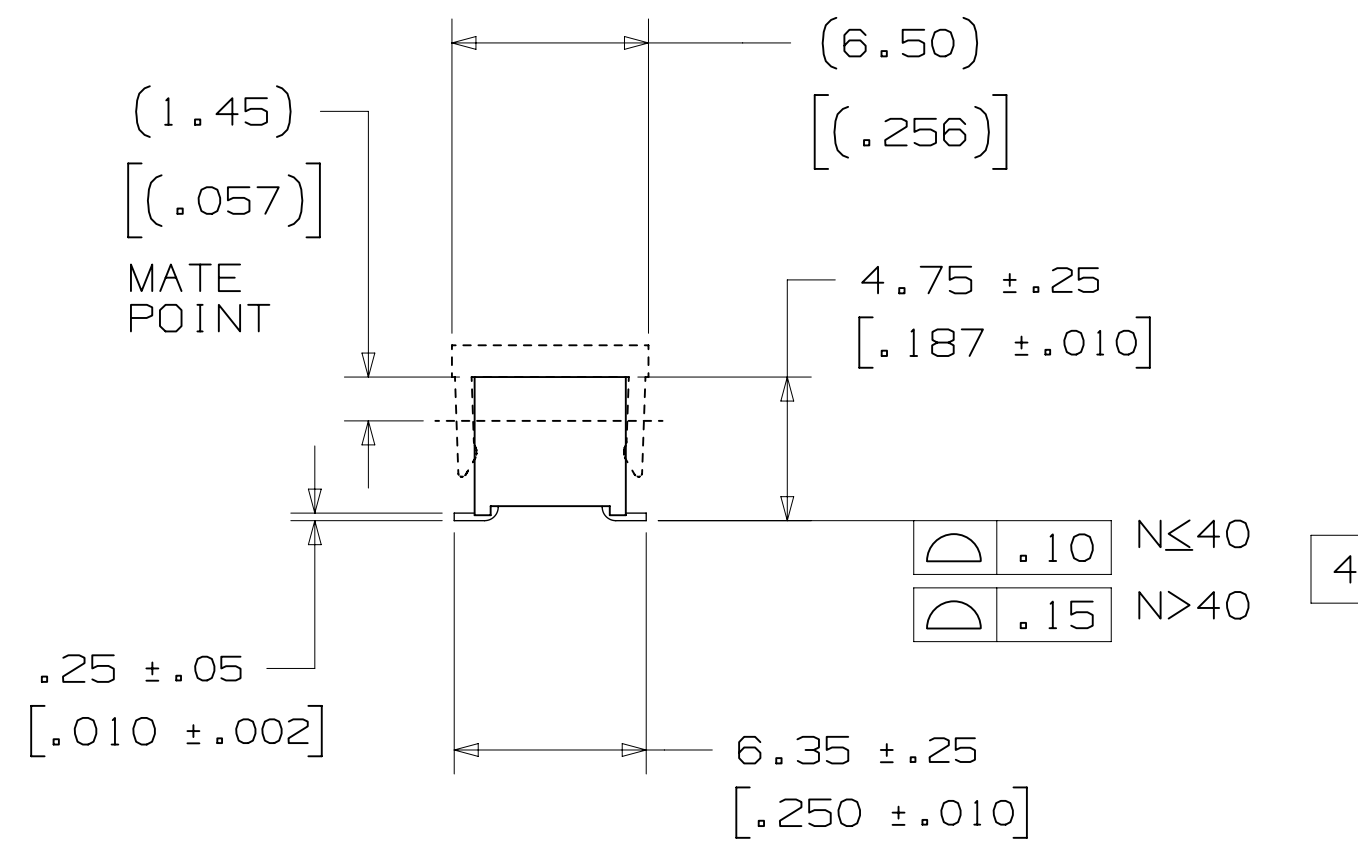


TABLE 1	
DIM. "A"	2.54 [.100] X (N/2)
DIM. "B"	2.54 [.100] X (N/2-1)
DIM. "C"	2.54 [.100] X (N/2) +.50
SEE NOTE 3	

TABLE 2							
CONTACT QTY.	10	12-16	18-24	26-34	36-44	46-56	58-60
TAPE WIDTH [MM]	24	32	44	56	72	88	104

A		72044		MAR 06, 2017		JNC		TS	
				REVISE ELECTRIC, MECHANICAL & ENVIRONMENTAL NOTES					
				2-2-17 REMOVED 4 CONNECTOR					
				PRODUCTION RELEASE					
NEXT ASSEMBLY				REV		ECO		ISSUE DATE AND DESCRIPTION	
ACCESS CODES				DRFT CASTIGLIONE		DATE JAN 12, 2015		MFG DATE	
				CHRD		DATE		APPROVAL T. SUNIGA	
DIVISION				DIVISION CODE		DATE		DATE JAN 12, 2015	
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THIRD ANGLE PROJECTION		INCHES		TOLERANCES EXCEPT AS NOTED		3M		3M Center St. Paul, MN 55144	
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		TITLE		THRU-BOARD SKT, 2.54MM X 2.54MM, SURFACE MOUNT			
MAX SURFACE ROUGHNESS		MILLIMETERS		CAGE NUMBER		SIZE		DRAWING NO.	
✓ ☐ ALL SURFACES		INCHES		D		578-5100-2652-5		REV. A	
✓ ☐ MARKED ONLY		ANGLES		MODEL		96XX		DET.ISTS ☐ YES ☒ NO	
								SHT 2 OF 2	

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DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES				DPR		DATE		MFG	
				CAST		JAN 12, 2015		JAN 12, 2015	
				CHKD		DATE		APPR	
						T. SUNIGA		JAN 12, 2015	
DIVISION		DIVISION CODE		3M					
		EMSD		© 3M COPYRIGHT 2017					
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THIRD ANGLE PROJECTION		INCHES		MILLIMETERS		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.			
INTERPRET PER ASME Y14.5 - 2009		0 ±		0 ±		TITLE			
MAX SURFACE ROUGHNESS		0.00 ±		0.00 ±		THRU-BOARD SKT, 2.54MM X 2.54MM, SURFACE MOUNT			
MARKED SURFACES		0.00 ±		0.00 ±		CAGE NUMBER			
MARKED ONLY		0.00 ±		0.00 ±		D 78-5100-2652-5			
		0.00 ±		0.00 ±		MODEL			
		0.00 ±		0.00 ±		96XX			
		0.00 ±		0.00 ±		REV.			
		0.00 ±		0.00 ±		A			
		0.00 ±		0.00 ±		DET			
		0.00 ±		0.00 ±		YES NO SHT 3 OF 3			