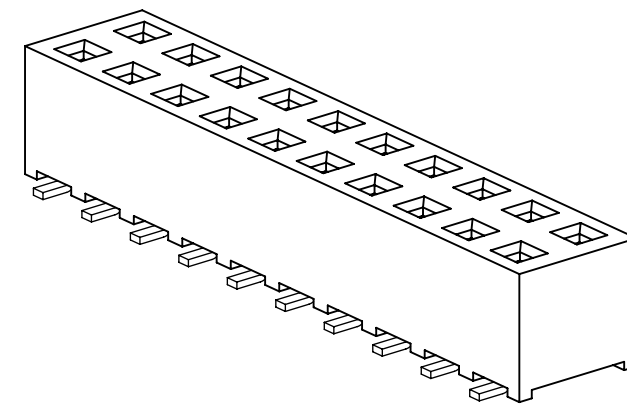


3M™ THROUGH-BOARD SOCKET, 96X SERIES
2.54MM X 2.54MM, LOW PROFILE SURFACE MOUNT



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

- NOTES
- MATERIAL:
PLASTIC: HIGH TEMP LCP, UL94V-0
CONTACT: COPPER ALLOY.
 - 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).
 - IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
 - N = THE NUMBER OF CONTACTS.

3 PHYSICAL :

INSULATOR: HIGH TEMP THERMOPLASTIC
MATERIAL: HIGH TEMP THERMOPLASTIC
FLAMMABILITY: UL94V-0
COLOR: BLACK
CONTACT: COPPER ALLOY
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

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

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INFORMATION CALL 800-225-5373

DIMENSIONS: MM [INCH]

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

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
CODES				CASTIGLIONE	JAN 12, 2015	MFG
					JAN 12, 2015	DATE
DIVISION	DIVISION CODE	CHKD	DATE	APPRV	DATE	
	EMSD			T. SUNIGA	JAN 12, 2015	
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED				
		INCHES		© 3M COPYR[IGHT] 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.		
		MILLIMETERS		TITLE THRU-BOARD SKT, 2.54MM X 2.54MM, SURFACE MOUNT		
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	CAGE NUMBER	SIZE	DRAWING NO.	REV.	
		D		78-5100-2652-5	A	
MAX SURFACE ROUGHNESS	DT SURFACES	MODEL				
		96XX				
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REVISION A
 DRAWING NUMBER 78-5100-2652-5
 DATE 3/6/2017 2:46 PM UTC-06:00

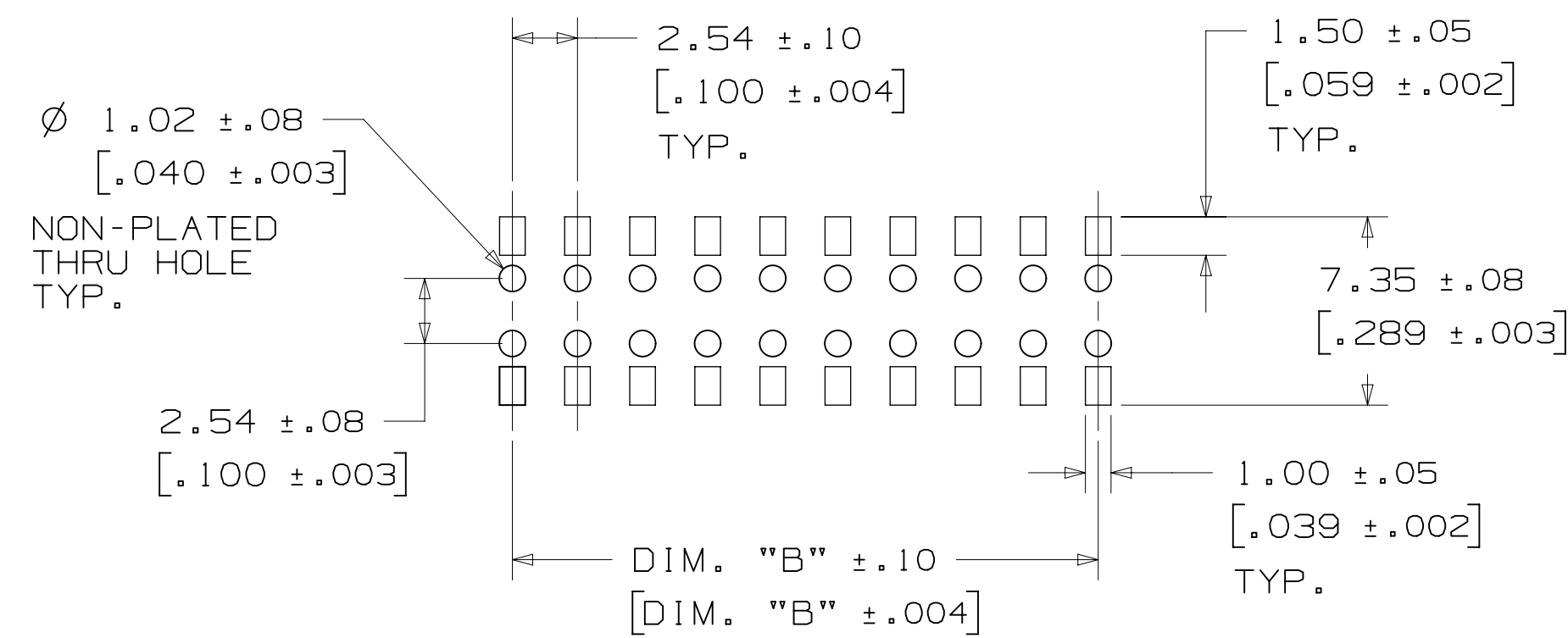
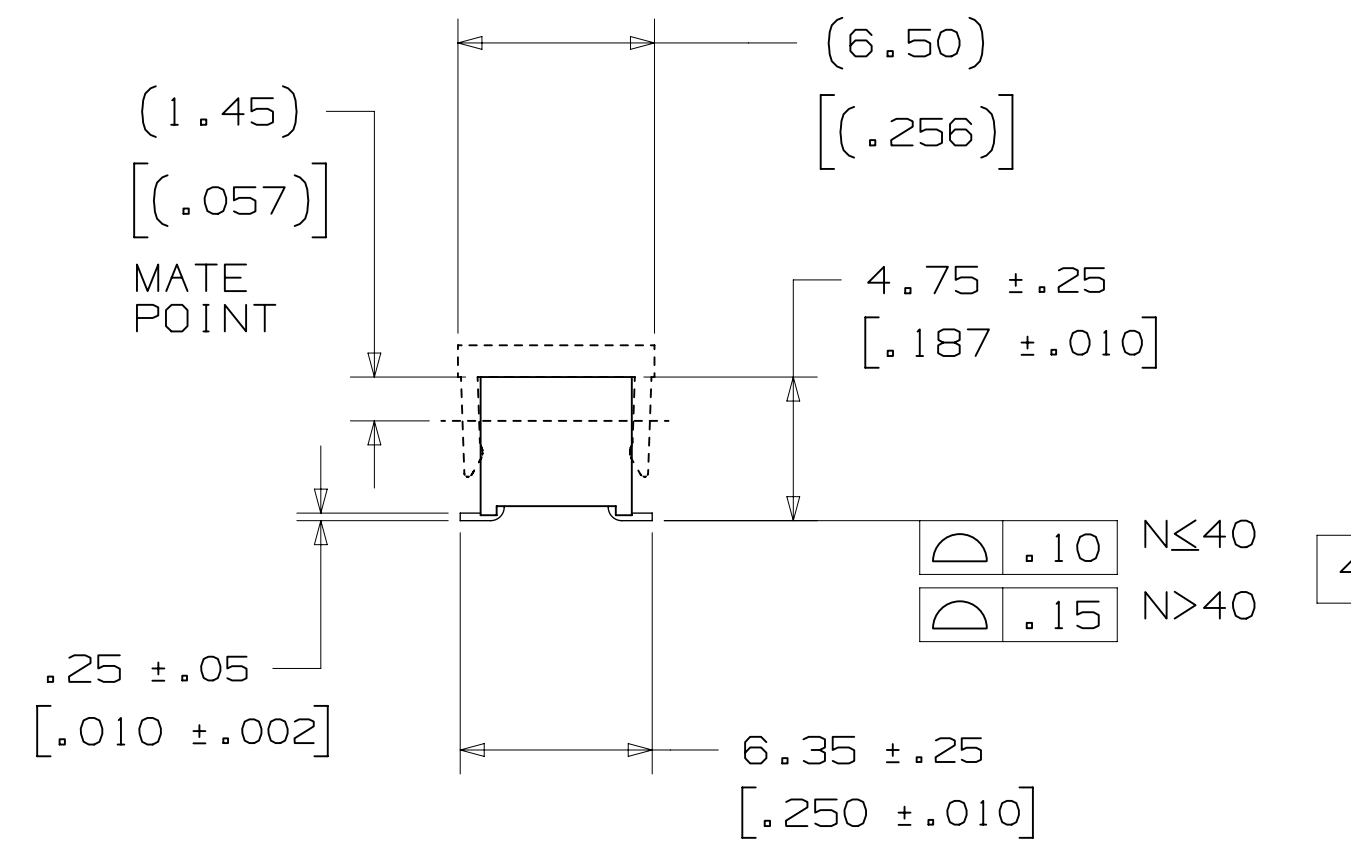
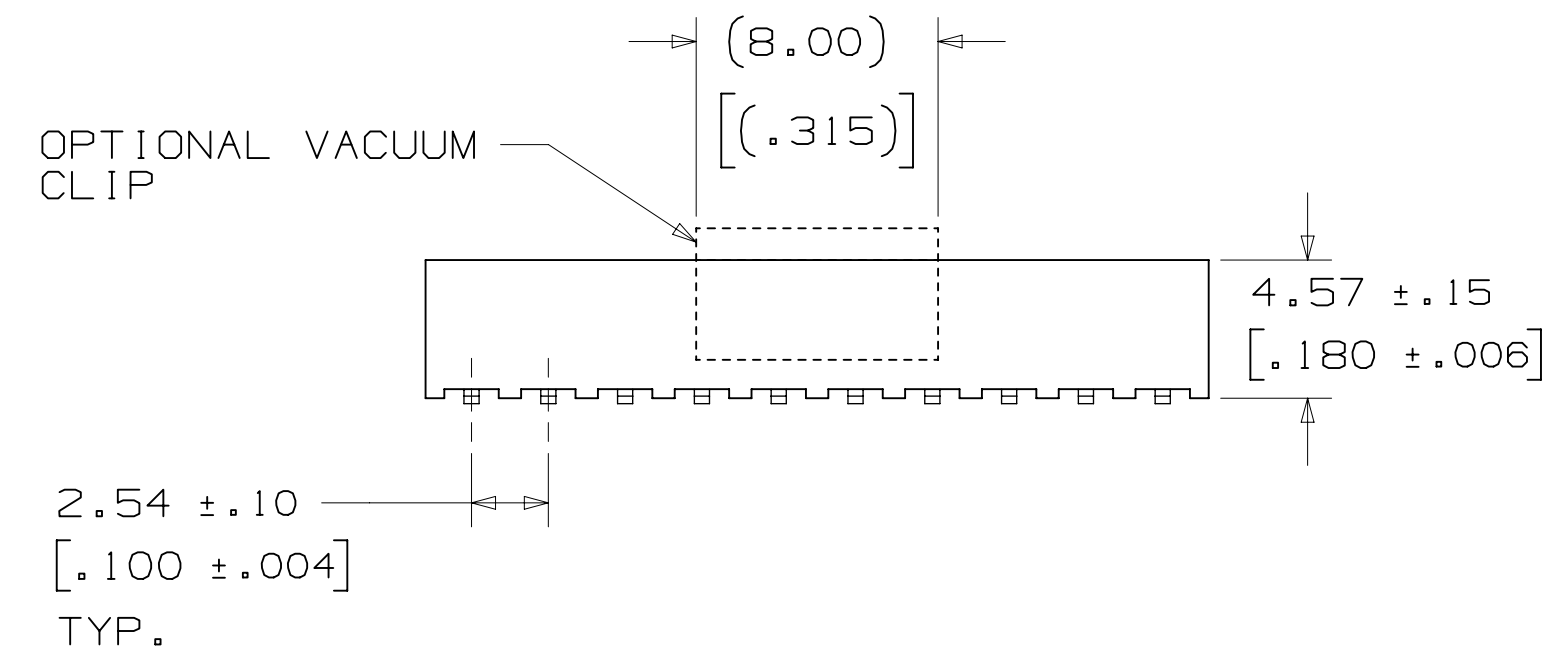
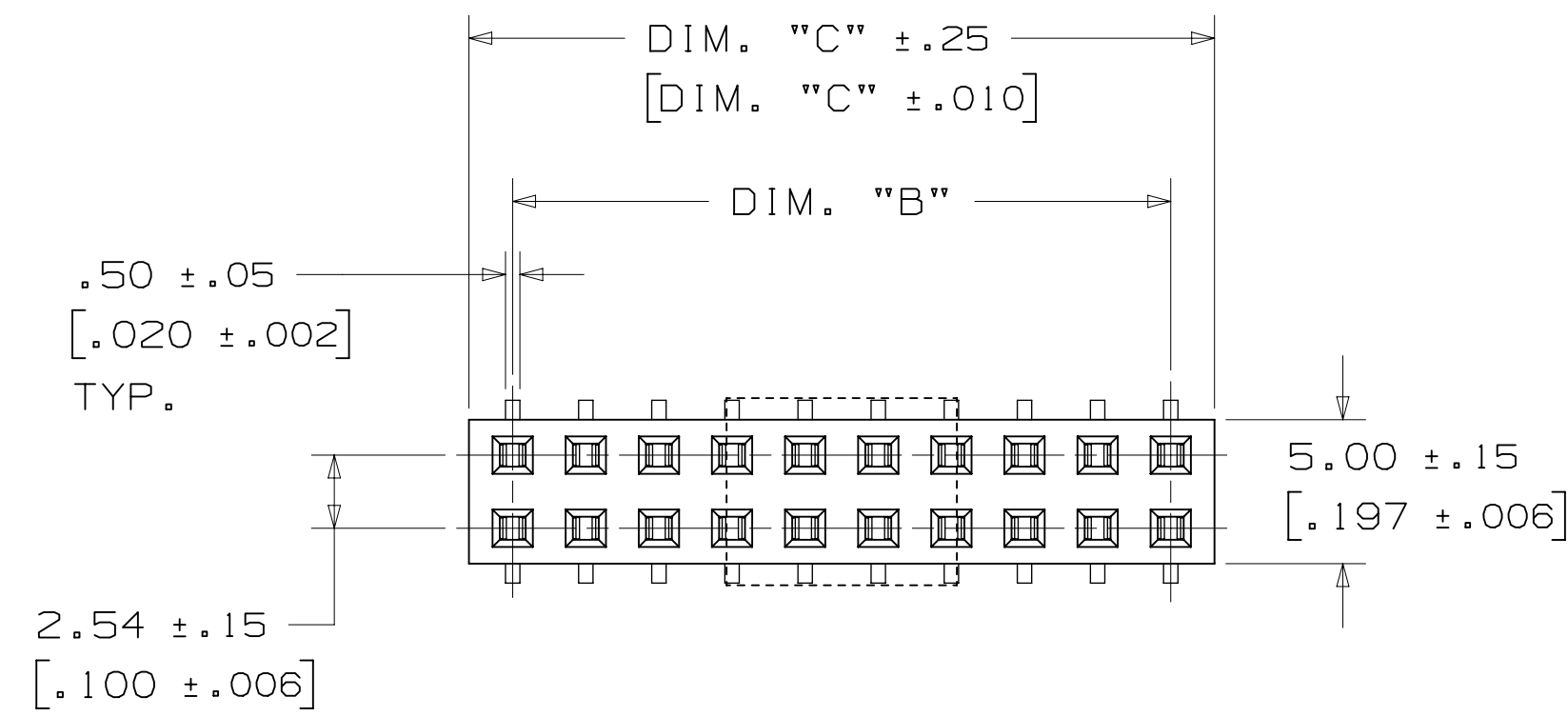
3M™ THROUGH-BOARD SOCKET, 96X SERIES
2.54MM X 2.54MM, LOW PROFILE SURFACE MOUNT

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 = 1.27µM [50µIN] MIN. NICKEL ALL OVER
WIPING AREA: GOLD FLASH
SOLDER TAIL AREA: 1-3µM [40-118µIN] MIN. MATTE TIN



RECOMMENDED PC BOARD LAYOUT
(VIEWED FROM COMPONENT SIDE)

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	

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

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
				MAR 06, 2017	JNC	TS
REVISE ELECTRIC, MECHANICAL & ENVIRONMENTAL NOTES		2-2-17 REMOVED 4 CONNECTOR				
PRODUCTION RELEASE						
DIVISION	DIVISION CODE	DATE	DATE	DATE	DATE	DATE
	EMSD	JAN 12, 2015				
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THIRD ANGLE PROJECTION	INCHES	0.00 ±	© 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.			
MAX SURFACE ROUGHNESS	MILLIMETERS	0 ±	TITLE THRU-BOARD SKT, 2.54MM X 2.54MM, SURFACE MOUNT			
MARKED ONLY	0.00 ±	0 ±	CAGE NUMBER D 78-5100-2652-5			
	0.00 ±	0 ±	DRAWING NO. 78-5100-2652-5			
	0.00 ±	0 ±	MODEL 96XX			
	0.00 ±	0 ±	REV. A			
	0.00 ±	0 ±	DET. YES X NO SHT 2 OF 3			

78-5100-2652-5
DRAWING NUMBER
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A 72044						MAR 06, 2017		JNC	TS
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INTERPRET PER ASME Y14.5 - 2009		INCHES	MILLIMETERS	CAGE NUMBER		DRAWING NO.		REV.	
MAX SURFACE ROUGHNESS		INCHES	MILLIMETERS	D 78-5100-2652-5		A			
MARKED ONLY		INCHES	MILLIMETERS	MODEL		96XX		SHT 3 OF 3	

78-5100-2652-5 DRAWING NUMBER
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