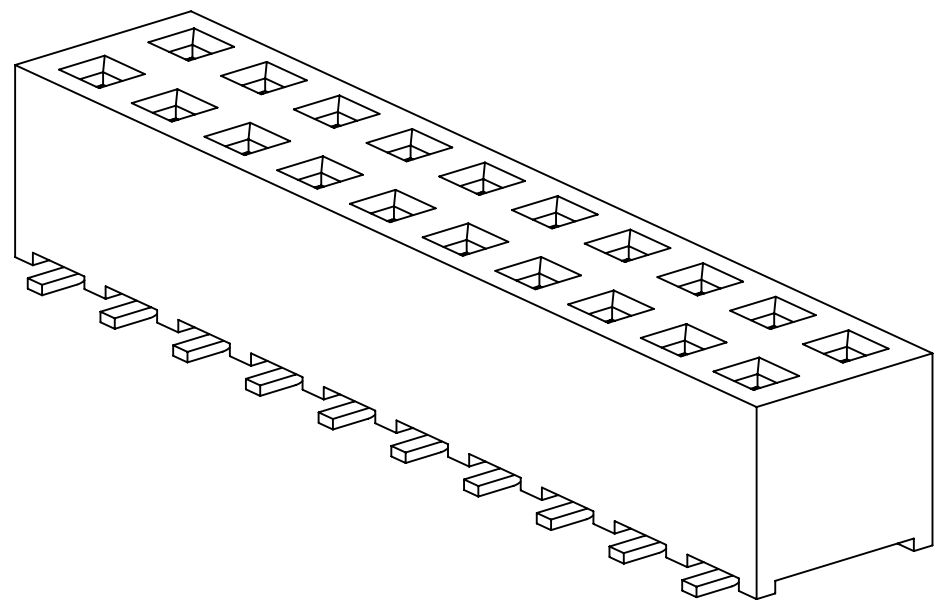


3M™ THROUGH-BOARD SOCKET, 9662 SERIES
2.54MM X 2.54MM, LOW PROFILE SURFACE MOUNT



DUAL ROW
SURFACE MOUNT
VERSION

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 :
VISIT 3M.com/regs
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.
5. CONTACT YOUR 3M REPRESENTATIVE
FOR AVAILABILITY OF ADDITIONAL
CUSTOM POSITIONS.

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

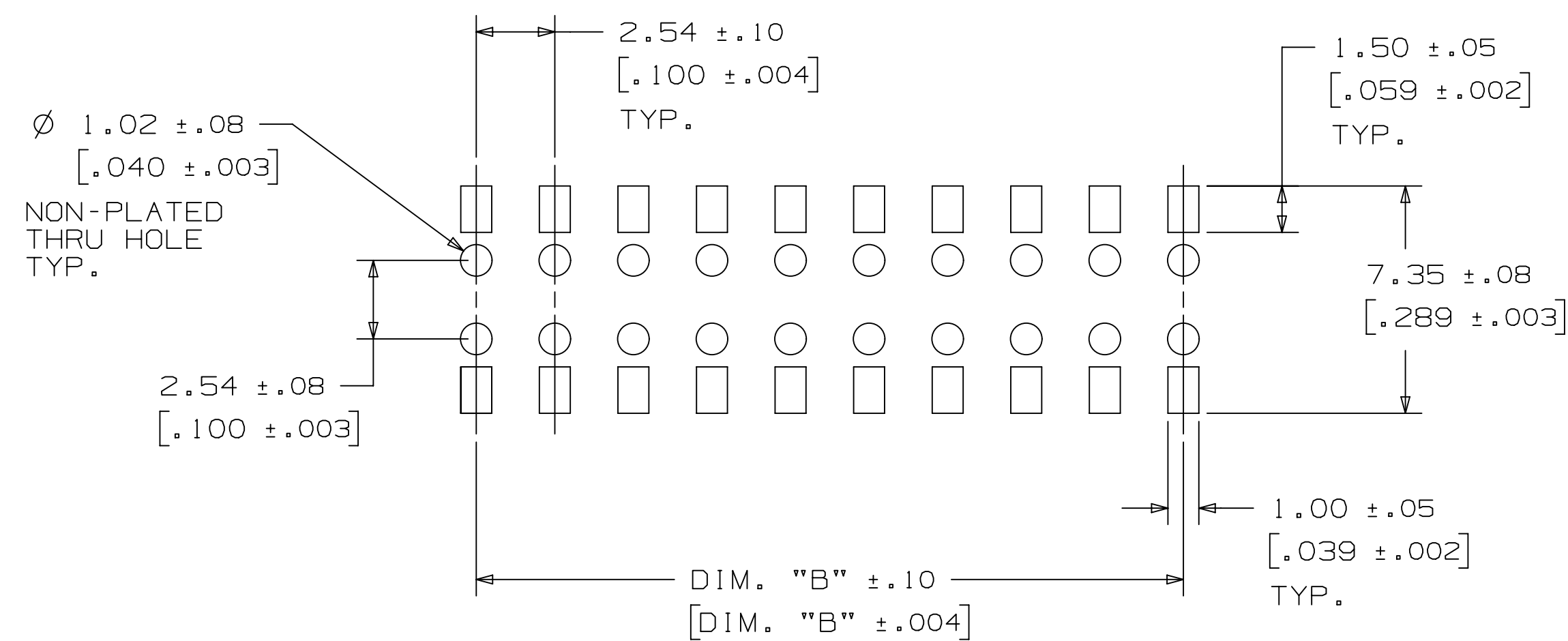
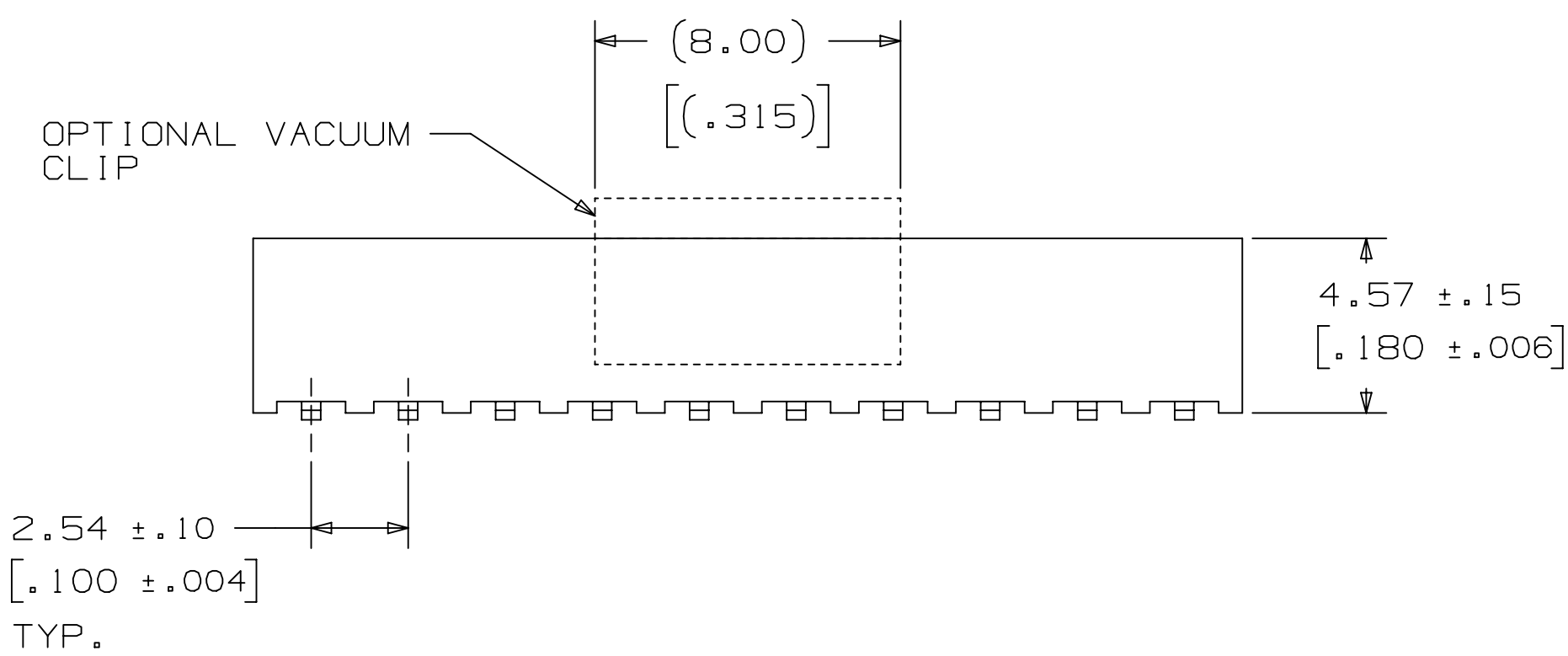
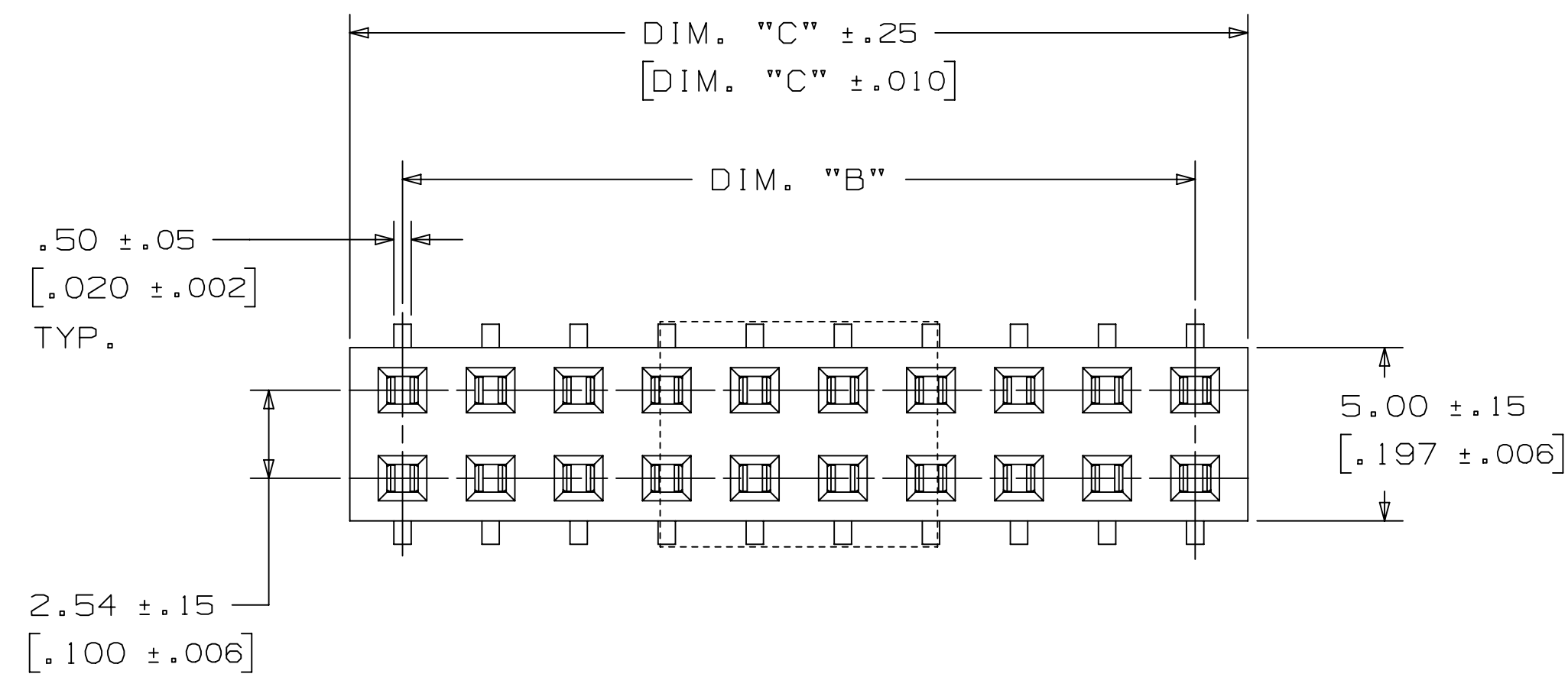
3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

cFLUs
UL FILE NO: E68080

DIMENSIONS: MM [INCH]
[INCH] FOR REF. ONLY

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES				DRFT	CSTIGLIONE	DATE JAN 12, 2015	MFG DATE		
				CHKD		DATE	APPR T. SUNIGA	DATE	
DIVISION		DIVISION CODE EMSD		© 3M COPYRIGHT 2022 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		3M 3M Center St. Paul, MN 55144					
THIRD ANGLE PROJECTION		INCHES 0 ±.00 .008 ± .0000 ±		TITLE THRU-BOARD SKT, 2.54MM X 2.54MM, SURFACE MOUNT					
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ±.2 .0 ±0.5 .00 ±0.20 .000 ±.005		CAGE NUMBER		SIZE D	DRAWING NO. 78-5100-2652-5		REV. B
MAX. SURFACE ROUGHNESS ALL SURFACES ✓ MARKED ONLY		ANGLES ±		MODEL 9662		DET LISTS		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> SHT 1 OF 3	

3M™ THROUGH-BOARD SOCKET, 9662 SERIES



RECOMMENDED PC BOARD LAYOUT
(VIEWED FROM COMPONENT SIDE)

ORDERING INFORMATION
9662XX-2000-AR-XX

CONTACT QUANTITY:
06-50
(SEE NOTE 5)

— PACKAGING:

TP = TUBE WITHOUT CLIP (06 TO 50 POS)
PT = TUBE WITH CLIP (10 TO 50 POS)
PR = TAPE AND REEL WITH CLIP (10 TO 50 POS)
(SEE TABLE 2)

— PLATING:

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

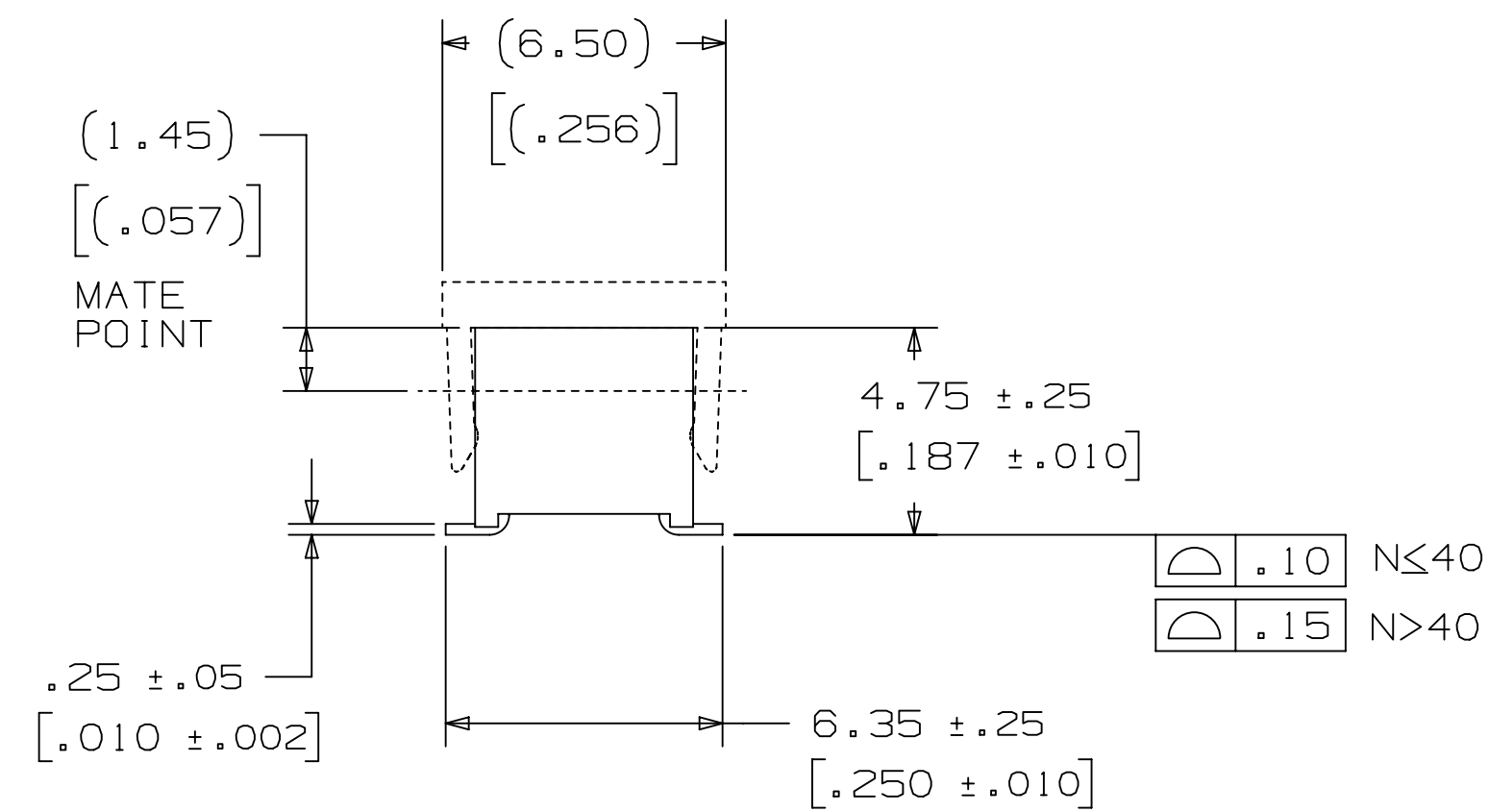


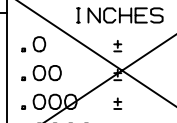
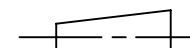
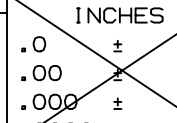


TABLE 1		
DIM. "A"	2.54 [.100] X	(N/2)
DIM. "B"	2.54 [.100] X	(N/2-1)
DIM. "C"	2.54 [.100] X	(N/2) + .50
SEE NOTE 4		

TABLE 2						
CONTACT QTY.	06-10	12-16	18-24	26-34	36-44	46-50
TAPE WIDTH [MM]	24	32	44	56	72	88

DESIGN REFERENCE				NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACROSS CODES						DRFT CASTIGLIONE		DATE JAN 12, 2015		MFG		DATE	
						CHKD		DATE		APPRV. T. SUNIGA		DATE JAN 12, 2015	
DIVISION				DIVISION CODE		EMSD				© 3M COPYRIGHT 2022			
DO NOT SCALE DRAWING		SCALE 6 1		TOLERANCES EXCEPT AS NOTED				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.			
										TITLE THRU-BOARD SKT , 2.54MM X 2.54MM , SURFACE MOUNT			
INTERPRET PER ASME Y14.5 - 2018				MILLIMETERS 0 ± 2		MILLIMETERS 0 ± 2		CAGE NUMBER		DRAWING NO.		REV.	
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3M™ THROUGH-BOARD SOCKET, 9662 SERIES
2.54MM X 2.54MM, LOW PROFILE SURFACE MOUNT

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B		104062	APR 21,2022		JNC	FJR
A		72044	MAR 06,2017		JNC	TS
			REVISE ELECTRIC, MECHANICAL & ENVIRONMENTAL NOTES			
			2-2-17 REMOVED 4 CONNECTOR			
			PRODUCTION RELEASE			
DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO
XREF CODES				DATE		DATE
				JAN 12,2015		MFG
				CHKD		DATE
				APPR		DATE
				T. SUNIGA		JAN 12,2015
DIVISION		DIVISION CODE		3M		
		EMSD		3M Center St. Paul, MN 55144		
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THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		TITLE		
		INCHES +0 -0.00 +0.008 -0.000		THRU-BOARD SKT, 2.54MM X 2.54MM, SURFACE MOUNT		
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ±2 +0 -0.00 +0.20 -0.000		CAGE NUMBER		
MAX SURFACE ROUGHNESS		ALL SURFACES		SIZE		
MARKED ONLY		ANGLES		DRAWING NO.		
				MODEL		
				9662		
				DET		
				YES NO		
				SHT 3 OF 3		

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