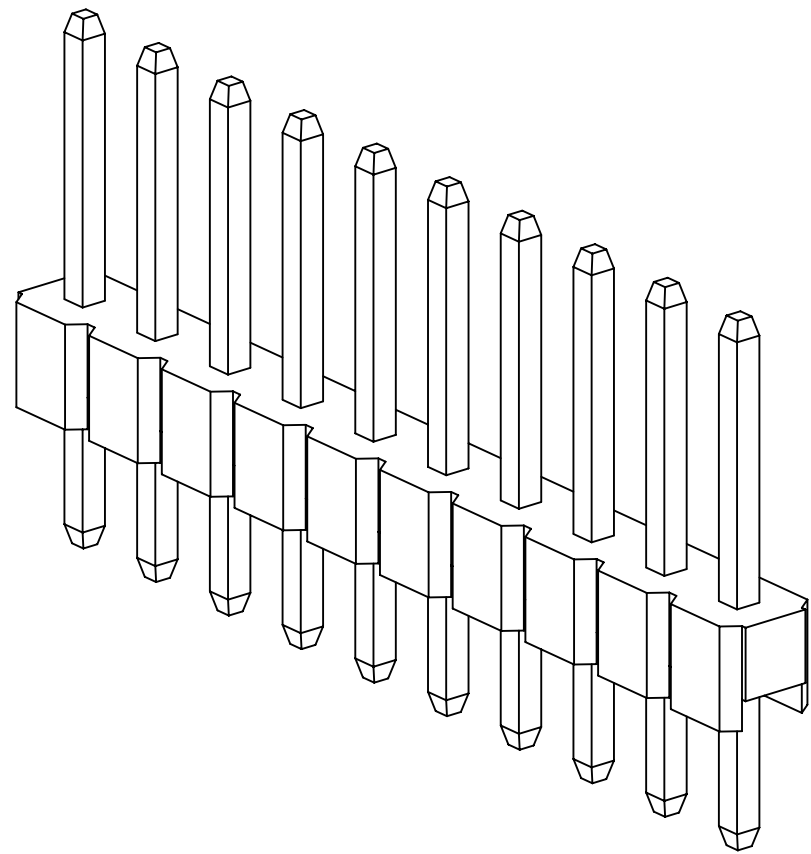
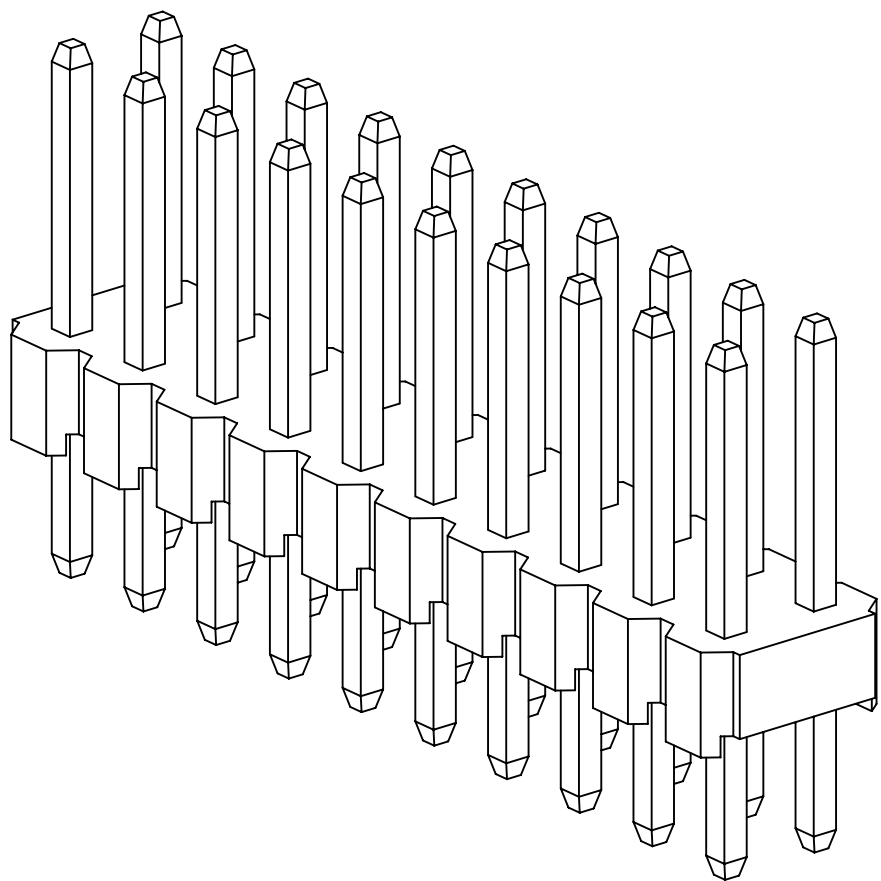


3M™ PIN STRIP HEADER, 961 SERIES
2.54MM AND 2.54MM X 2.54MM STRAIGHT SOLDER TAIL



SINGLE ROW
STRAIGHT
VERSION



DUAL ROW
STRAIGHT
VERSION

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

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INFORMATION CALL 800-225-5373

2 PHYSICAL :

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

2 ELECTRICAL :

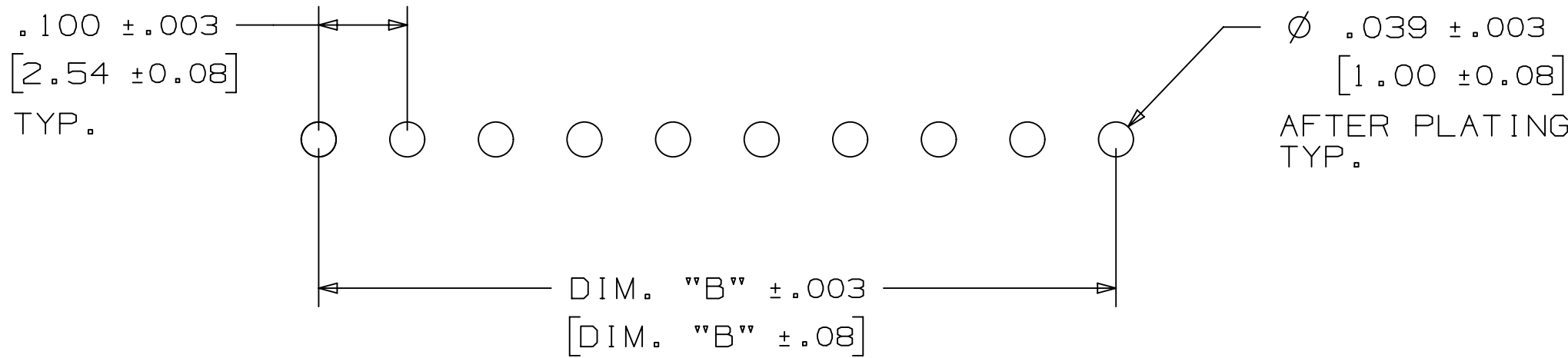
CURRENT RATING: 3A
INSULATION RESISTANCE: >5 X 10⁸ OHm AT 100V_{DC}
WITHSTANDING VOLTAGE: 1000V_{AC} AT 60s

2 MECHANICAL :

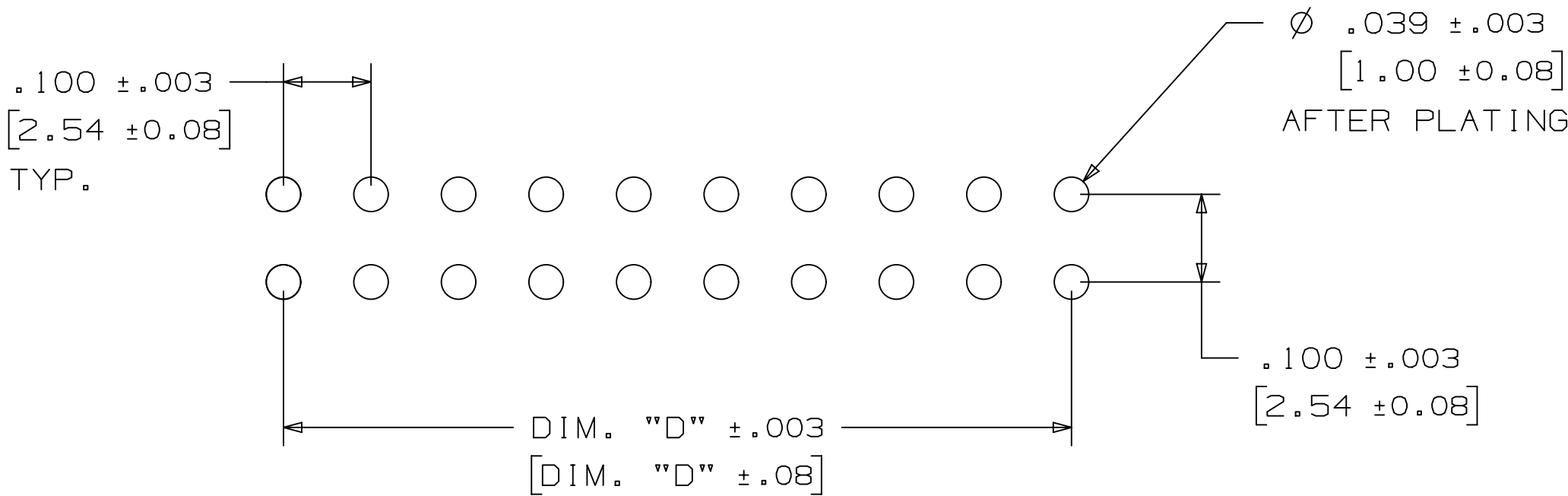
RETENTION FORCE: ≥ 7.0N PER PIN

2 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)



SINGLE ROW
RECOMMENDED PC BOARD LAYOUT
(VIEWED FROM CONNECTOR SIDE)



DUAL ROW
RECOMMENDED PC BOARD LAYOUT
(VIEWED FROM CONNECTOR SIDE)

cRU [®] **us**
UL FILE NO: E68080

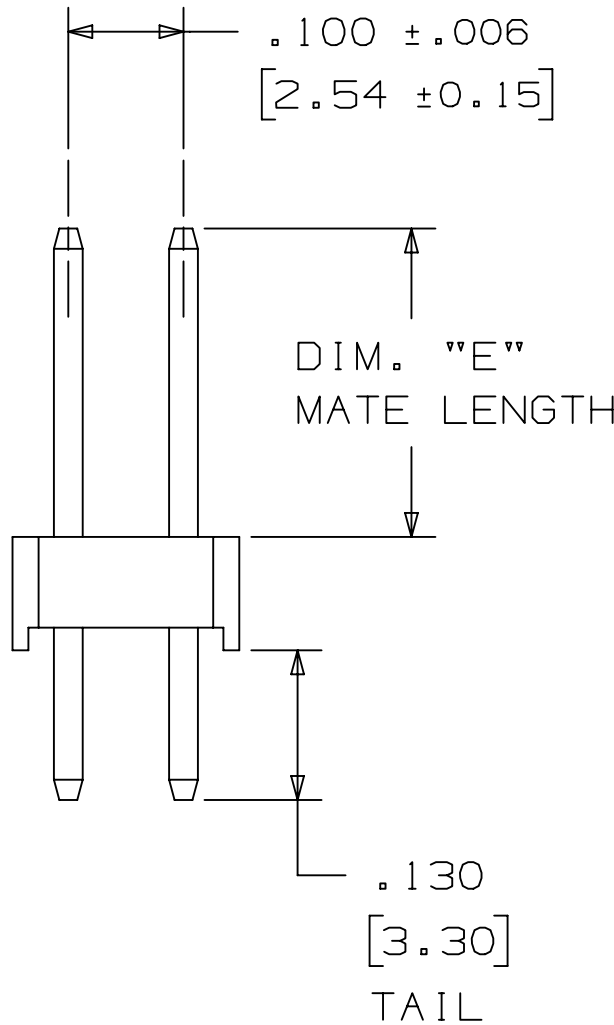
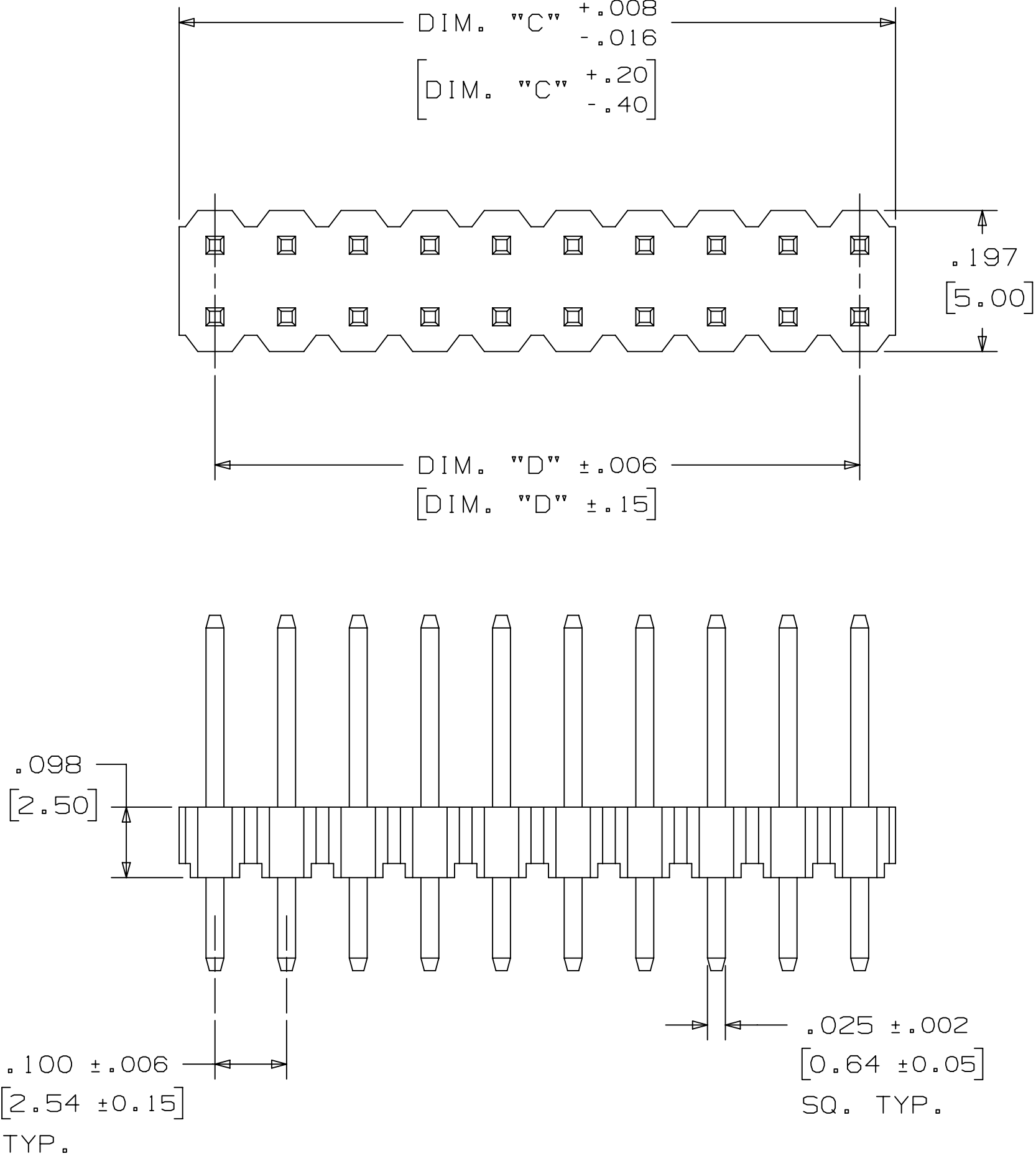
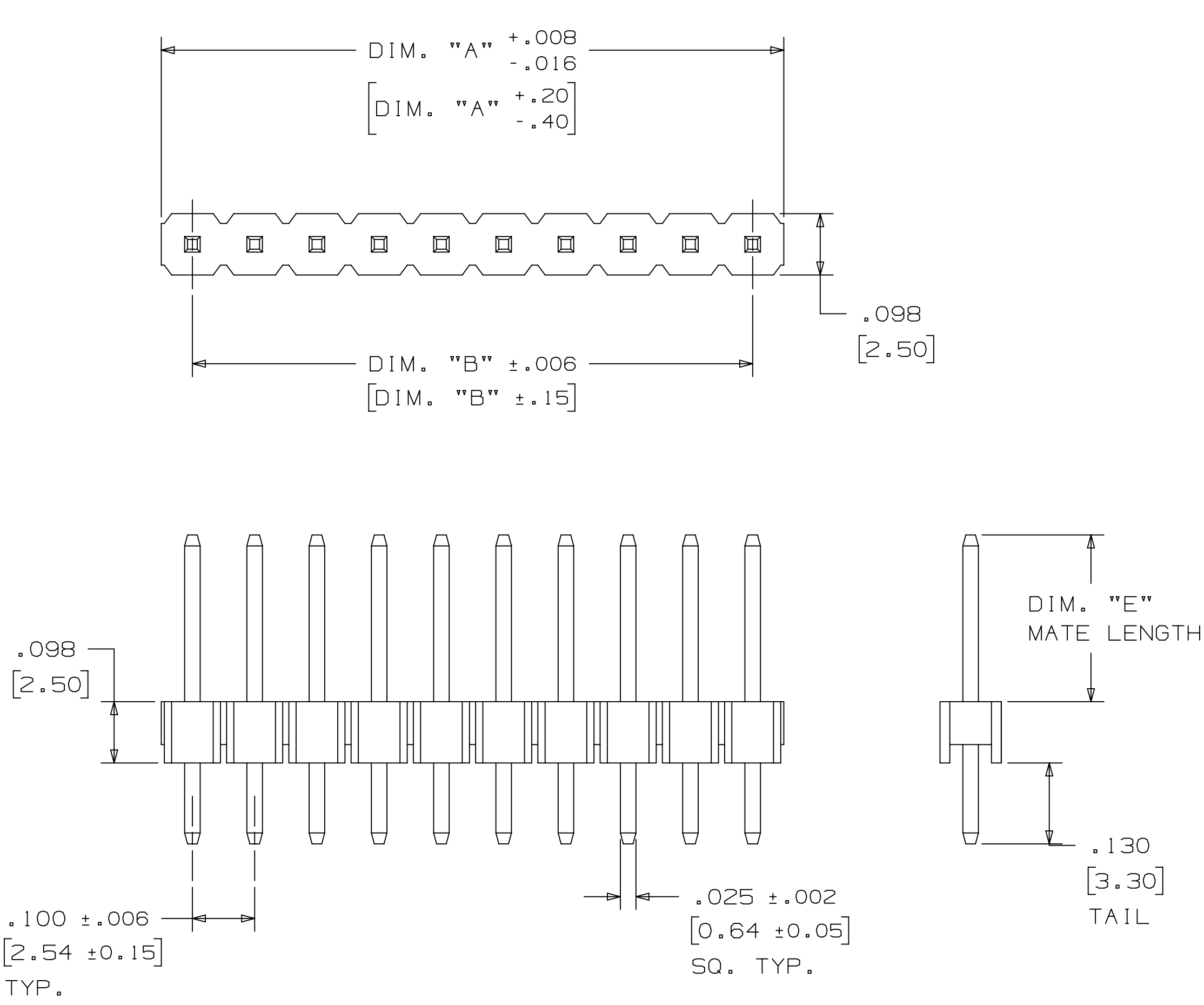
NOTES	
1.	REGULATORY INFORMATION: VISIT 3M.com/regs
2.	IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
3.	N = THE NUMBER OF POSITIONS.

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

DESIGN REFERENCE		NEXT ASSEMBLY	
DESIGN CODES			
DIVISION		DIVISION CODE	EMSD
DO NOT SCALE DRAWING	SCALE 6 1	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES .0 ±.02 .00 ±.008 .000 ±.005 .0000 ±.0002	MILLIMETERS 0 ±.0 .00 ±.008 .000 ±.0002
INTERPRET PER ASME Y14.5 - 2018		MAX. SURFACE ROUGHNESS	ALL SURFACES
MARKED ONLY		ANGLES	

B	104062	APR 21,2022 UPDATE DWG TO CURRENT STANDARDS	JNC	FJR
A	72044	MAR 06,2017 REVISE ELECTRICAL, MECHANICAL & ENVIRONMENTAL NOTES 2-2-17 REMOVE 5 CONNECTORS PRODUCTION RELEASE	JNC	TS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CSTIGLIONE	DATE APR 22,2015	MFG	DATE
CHKD		DATE	APPR	DATE APR 22,2015
			1.	SUNIGA
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TITLE PIN STRIP HEADER, 2.54MM, STRAIGHT				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D		78-5100-2659-0	B	
MODEL	961XXX	LISTS	YES	NO
		SHT	1	OF 4

3M™ PIN STRIP HEADER, 961 SERIES
2.54MM AND 2.54MM X 2.54MM STRAIGHT SOLDER TAIL



ORDERING INFORMATION
STRAIGHT VERSION
(SINGLE INSULATOR ONLY)
961XXX-6X04-AR

No. OF ROWS:
1 = 1 ROW
2 = 2 ROW

PIN MATE LENGTH
DIM. "E"
4 = .22 [5.5]
8 = .27 [6.8]

CONTACT QTY.
36 PINS = 1 ROW
72 PINS = 2 ROW

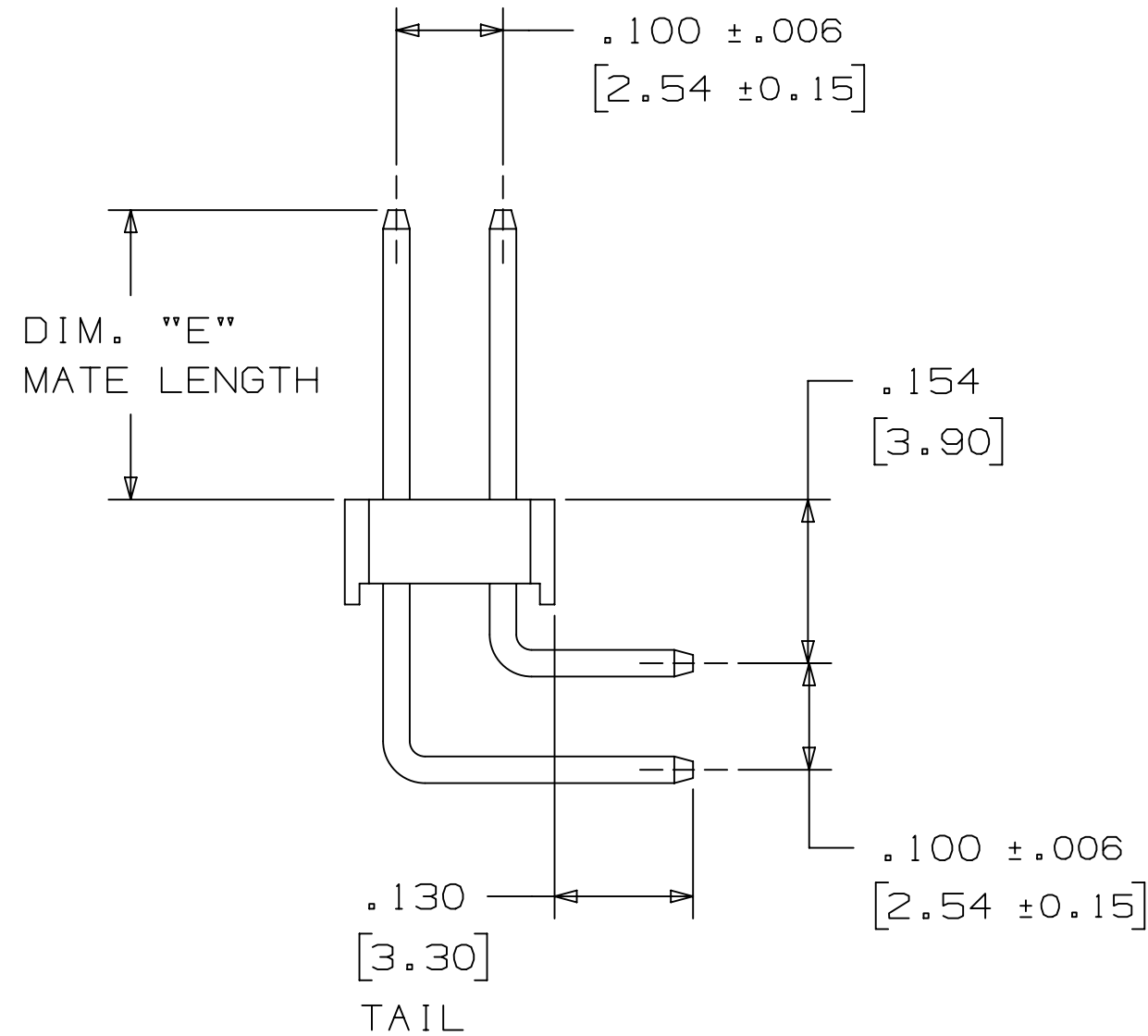
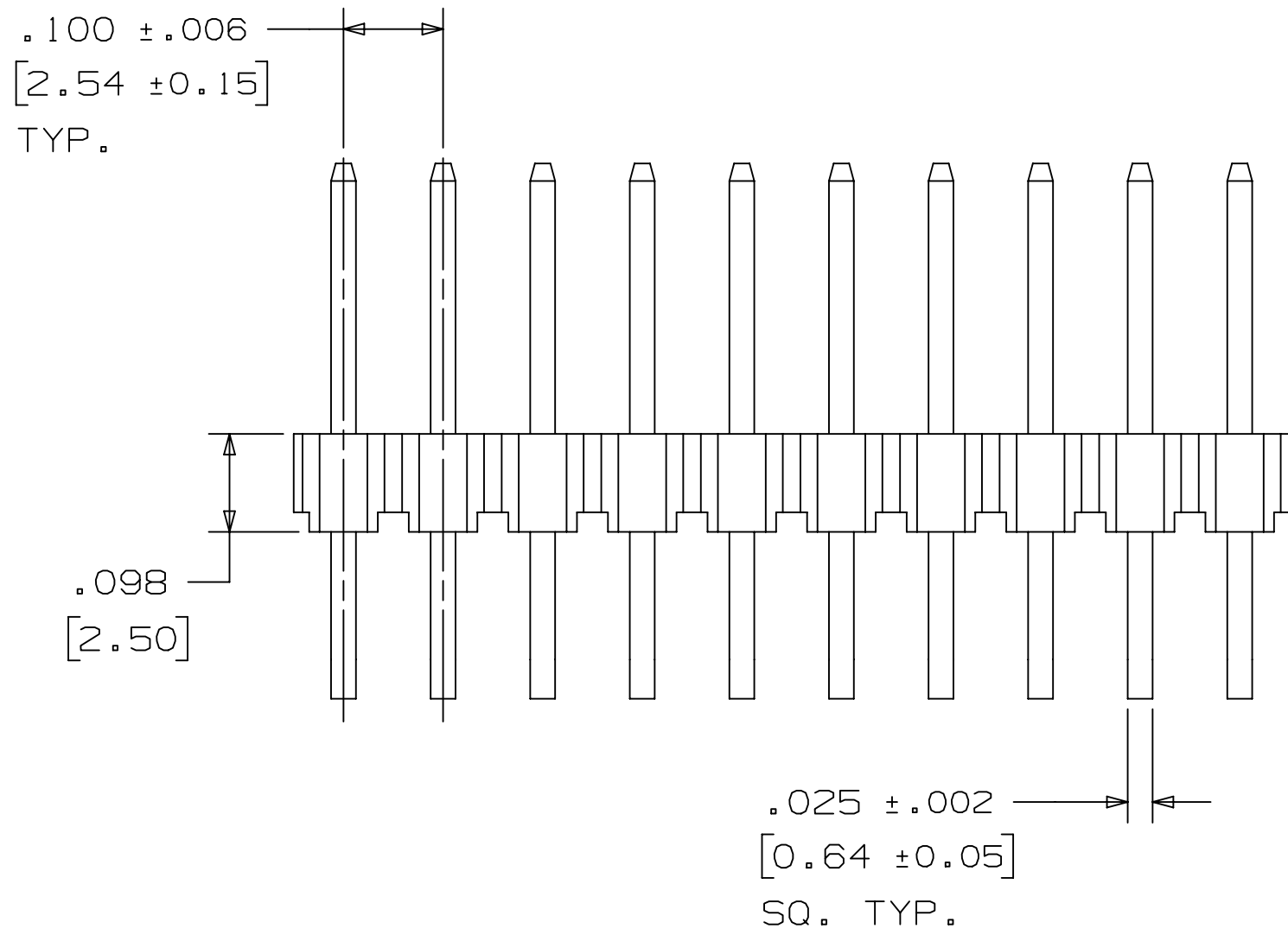
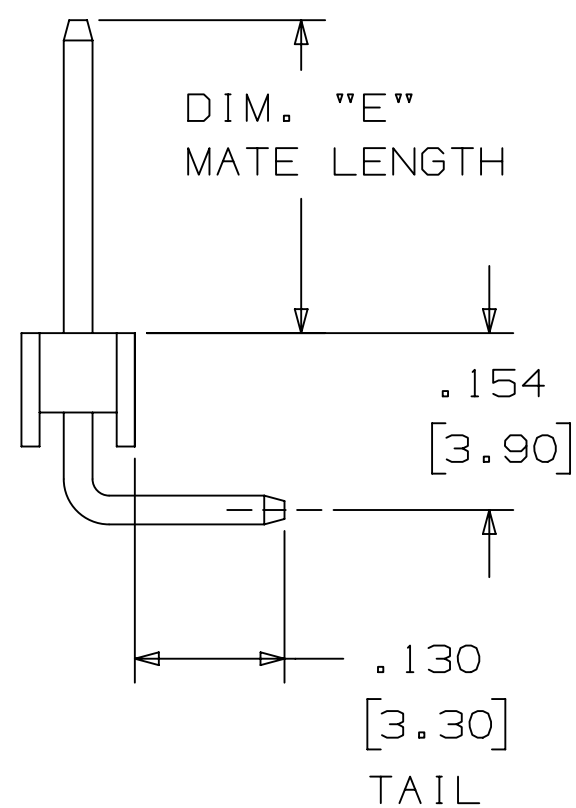
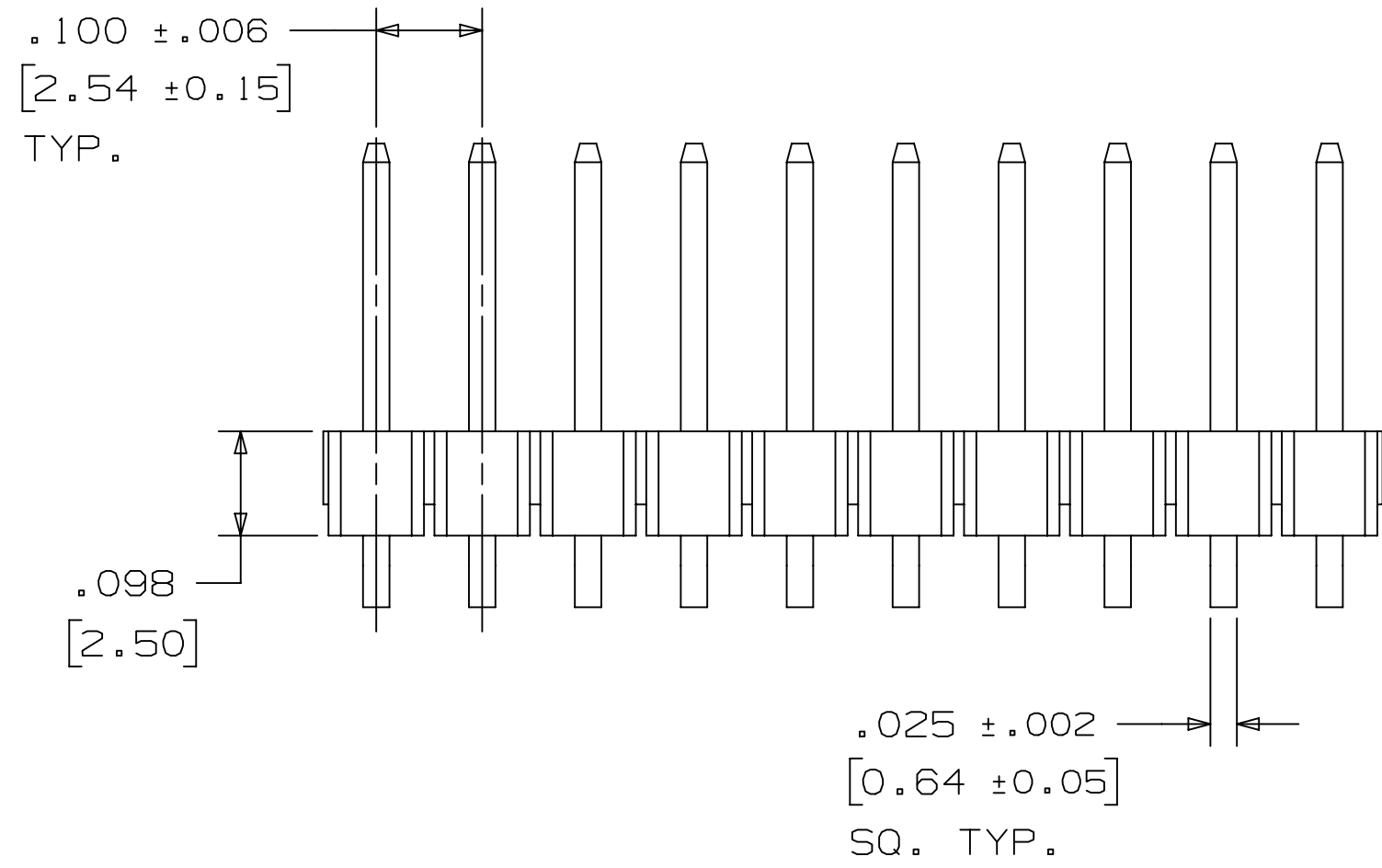
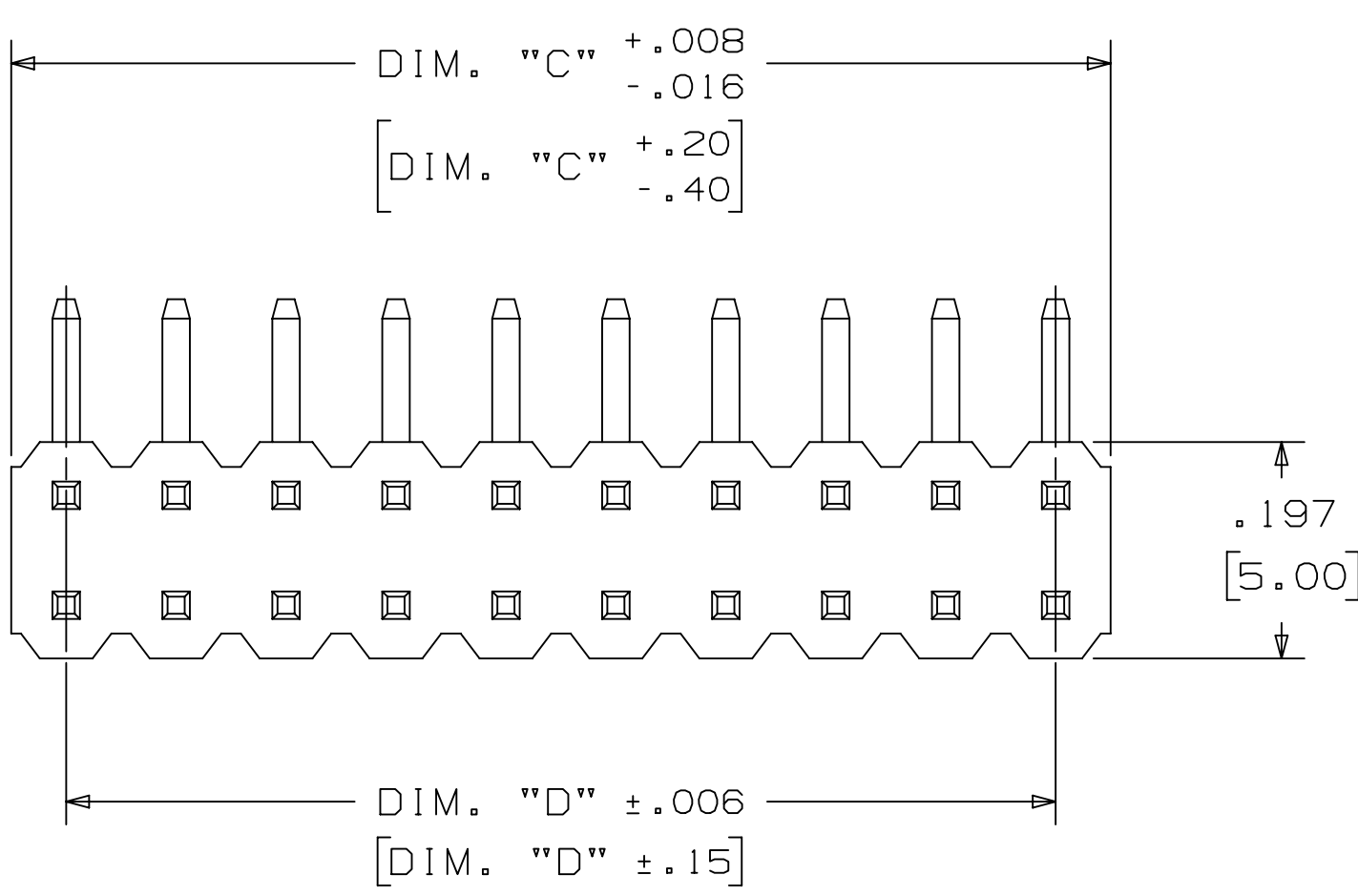
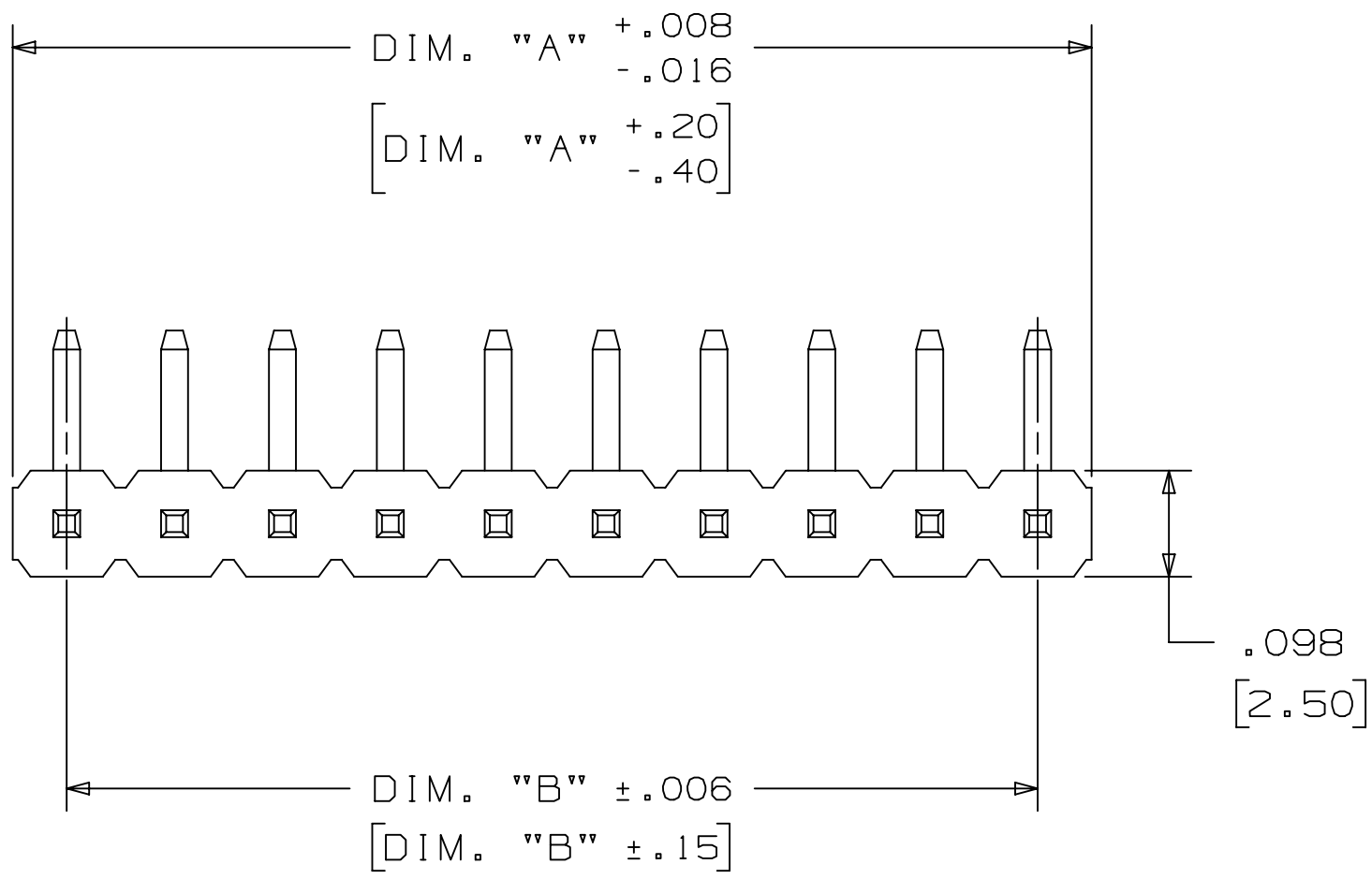
TABLE 1	
DIM. "A"	.100 [2.54] X N
DIM. "B"	.100 [2.54] X (N-1)
DIM. "C"	.100 [2.54] X (N/2)
DIM. "D"	.100 [2.54] X (N/2-1)
SEE NOTE 3	

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DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX		DRFT	CSTIGLIONE	DATE APR 22, 2015	MFG	DATE
		CHKD		DATE	APPR	DATE APR 22, 2015
DIVISION	DIVISION CODE					
DO NOT SCALE DRAWING	SCALE 6/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	INCHES 0 $\pm$.02 .00 $\pm$.008 .000 $\pm$.005 .0000 $\pm$.0002				
MAX. SURFACE ROUGHNESS	ALL SURFACES	MILLIMETERS 0 $\pm$.0 .00 $\pm$.00 .000 $\pm$.000				
MARKED ONLY	ANGLES					
		TITLE PIN STRIP HEADER, 2.54MM, STRAIGHT				
		CAGE NUMBER	SIZE	DRAWING NO.	REV.	
		D		78-5100-2659-0	B	
		MODEL	961XXX	DET	YES	NO
		SHT 2 OF 4				

3M™ PIN STRIP HEADER, 961 SERIES
2.54MM AND 2.54MM X 2.54MM STRAIGHT SOLDER TAIL



ORDERING INFORMATION
RIGHT ANGLE VERSION

961XXX-5X04-AR

No. OF ROWS:
1 = 1 ROW
2 = 2 ROW

PIN MATE LENGTH
DIM. "E"
6 = .24 [6.1]
8 = .27 [6.8]

CONTACT QTY.
36 PINS = 1 ROW
72 PINS = 2 ROW

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

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DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES		XREF CODES		DRFT	CHKD	DATE	DATE	DATE	DATE
DIVISION		DIVISION CODE		DRFT	CHKD	DATE	DATE	DATE	DATE
DO NOT SCALE DRAWING		SCALE		DRFT	CHKD	DATE	DATE	DATE	DATE
THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		DRFT	CHKD	DATE	DATE	DATE	DATE
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		DRFT	CHKD	DATE	DATE	DATE	DATE
MAX. SURFACE ROUGHNESS		INCHES		DRFT	CHKD	DATE	DATE	DATE	DATE
ALL SURFACES		MARKED ONLY		DRFT	CHKD	DATE	DATE	DATE	DATE
CAGE NUMBER		SIZE		DRFT	CHKD	DATE	DATE	DATE	DATE
MODEL		DRAWING NO.		DRFT	CHKD	DATE	DATE	DATE	DATE
961XXX		D 78-5100-2659-0		DRFT	CHKD	DATE	DATE	DATE	DATE
LISTS		YES		DRFT	CHKD	DATE	DATE	DATE	DATE
SHT 3 OF 4				DRFT	CHKD	DATE	DATE	DATE	DATE

3M™ PIN STRIP HEADER, 961 SERIES
2.54MM AND 2.54MM X 2.54MM STRAIGHT SOLDER TAIL

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A		72044	MAR 06,2017 REVISE ELECTRICAL, MECHANICAL & ENVIRONMENTAL NOTES 2-2-17 REMOVE 5 CONNECTORS PRODUCTION RELEASE		JNC	TS
REV	ECO	ISSUE DATE AND DESCRIPTION			DRFT	CHKD
DRFT	CASTIGLIONE		DATE	APR 22,2015	MFG	DATE
CHKD			DATE		APPR	DATE
				17, SUNIGA	APR 22,2015	
DIVISION		DIVISION CODE EMSD				
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		INCHES ±.02 ±.0008 ±.0005 ±.0002		MILLIMETERS 0 ± ±.0008 ±.0005 ±.0002		
INTERPRET PER ASME Y14.5 - 2018		MAX. SURFACE ROUGHNESS ALL SURFACES MARKED ONLY		CAGE NUMBER D78-5100-2659-0		
				MODEL 961XXX		
				REV. B		
				DET LISTS		
				YES NO SHT 4 OF 4		

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