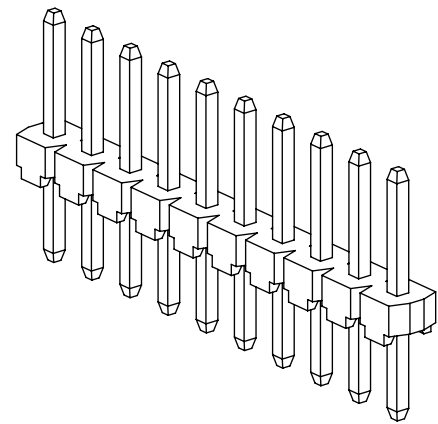
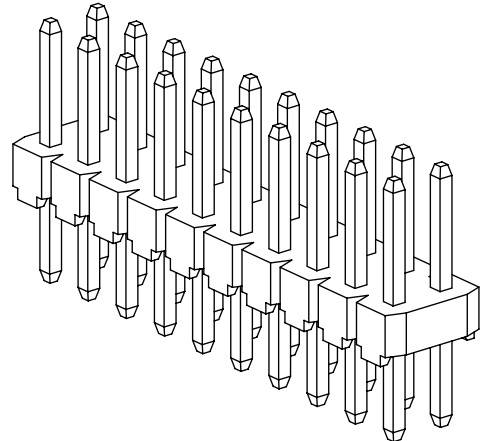


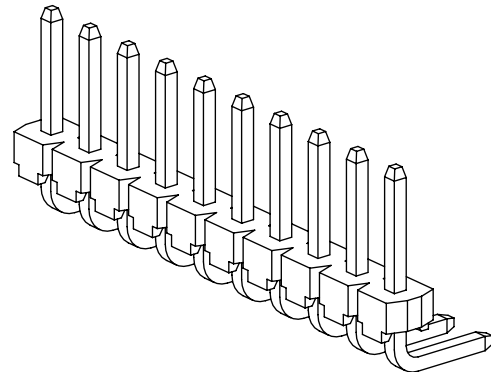
3M™ PIN STRIP HEADER, 951 SERIES
2MM AND 2MM X 2MM STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL



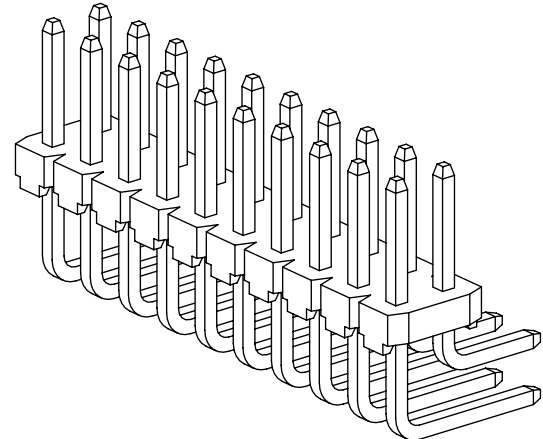
SINGLE ROW
STRAIGHT
VERSION



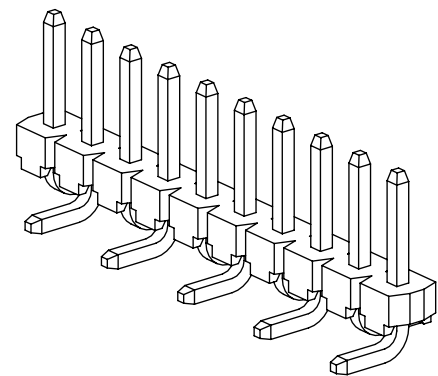
DUAL ROW
STRAIGHT
VERSION



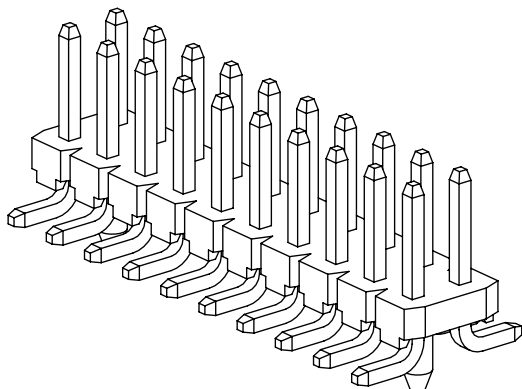
SINGLE ROW
RIGHT ANGLE
VERSION



DUAL ROW
RIGHT ANGLE
VERSION



SINGLE ROW
SURFACE MOUNT
VERSION



DUAL ROW
SURFACE MOUNT
VERSION

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

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FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373



UL FILE NO: E68080

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

2 PHYSICAL :

INSULATOR: HIGH TEMP THERMOPLASTIC
MATERIAL: UL94V-0
FLAMMABILITY: BLACK
COLOR: BRASS
CONTACT: MATERIAL: PLATING:
UNDER PLATING: 50μ" [1.27μm] NICKEL-OVERALL
WIPING AREA: GOLD FLASH
SOLDER TAILS: 40-118μ" [1-3μm]
MARKINGS: ORIENTATION TRIANGLE

2 ELECTRICAL :

CURRENT RATING: 2A
CONTACT RESISTANCE: ≤ 20mΩ
INSULATION RESISTANCE: ≥ 1000MΩ
WITHSTANDING VOLTAGE: 500V_{RMS} 1mA, 60s

2 MECHANICAL :

RETENTION FORCE: ≥ 4.5N PER PIN

2 ENVIRONMENTAL :

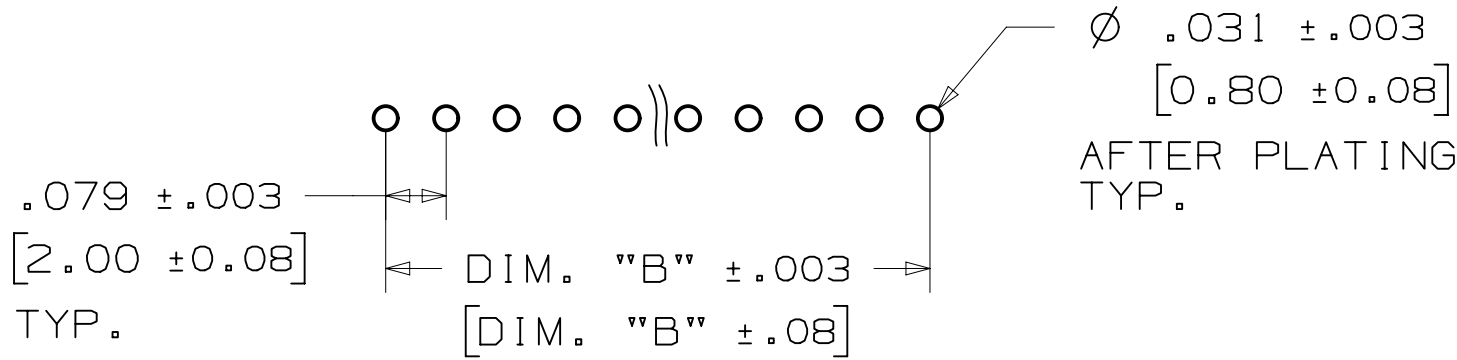
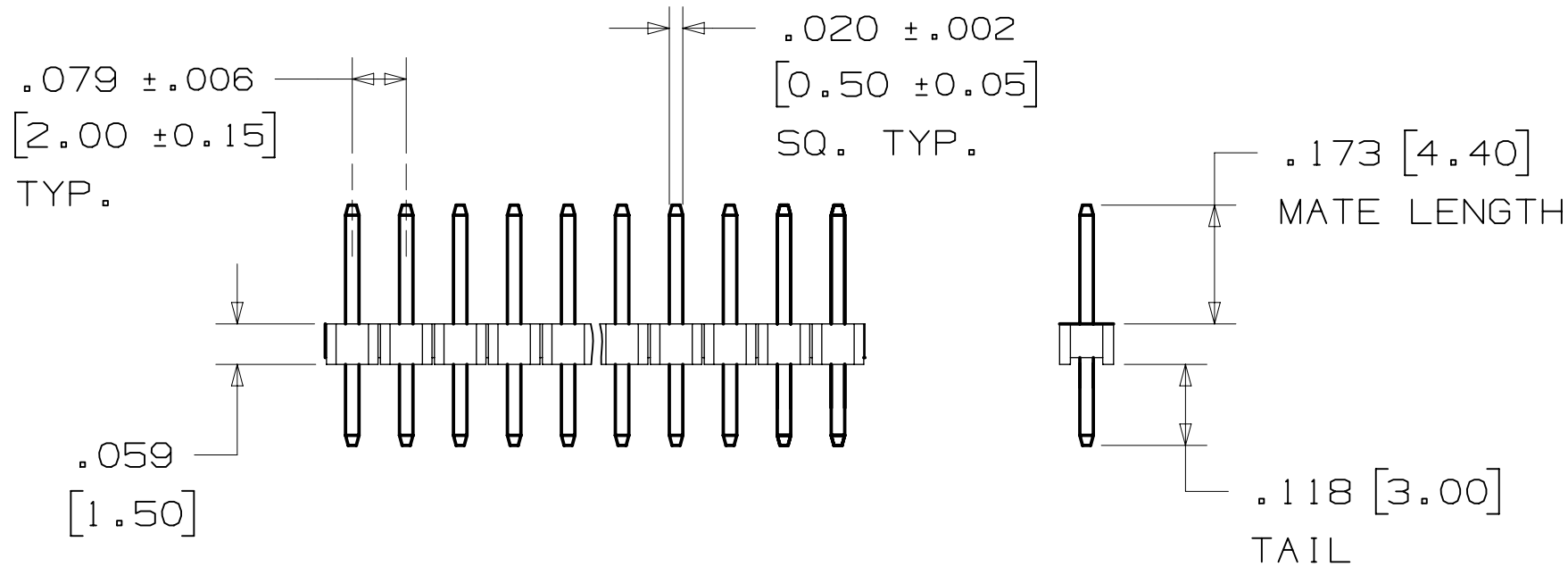
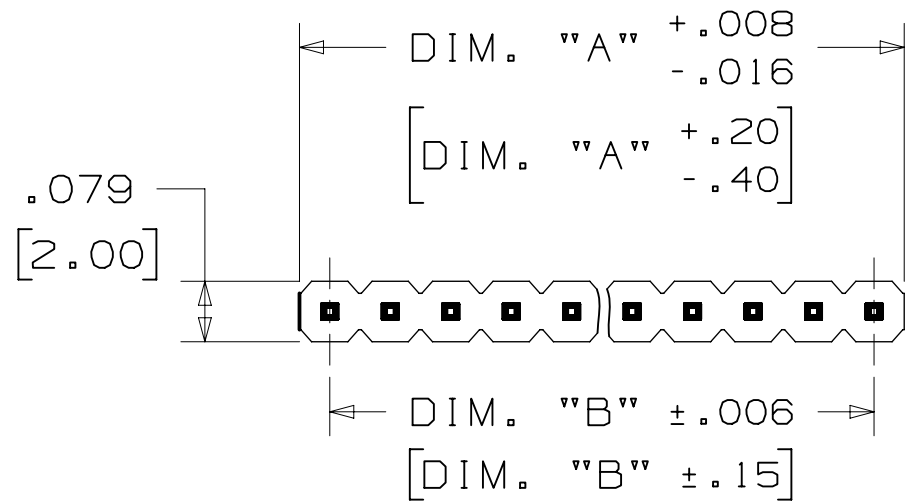
TEMPERATURE RATING: -55°C TO 125°C
HUMIDITY: ≤ 93% AT 40°C
RESISTANCE TO SOLDERING HEAT: PBT, 245°C±5°C, 10s

- NOTES
1. REGULATORY INFORMATION:
VISIT 3M.com/regs OR CONTACT
YOUR 3M REPRESENTATIVE TO FIND
THE RoHS COMPLIANCE STATUS OF
THE 3M PART YOU ARE INTERESTED
IN.
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.

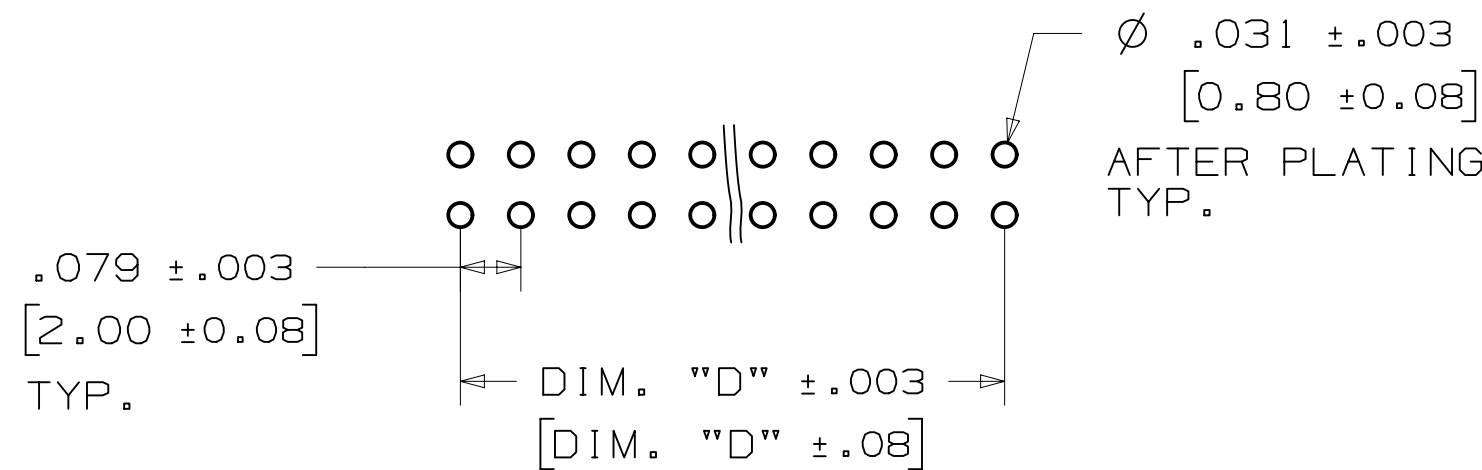
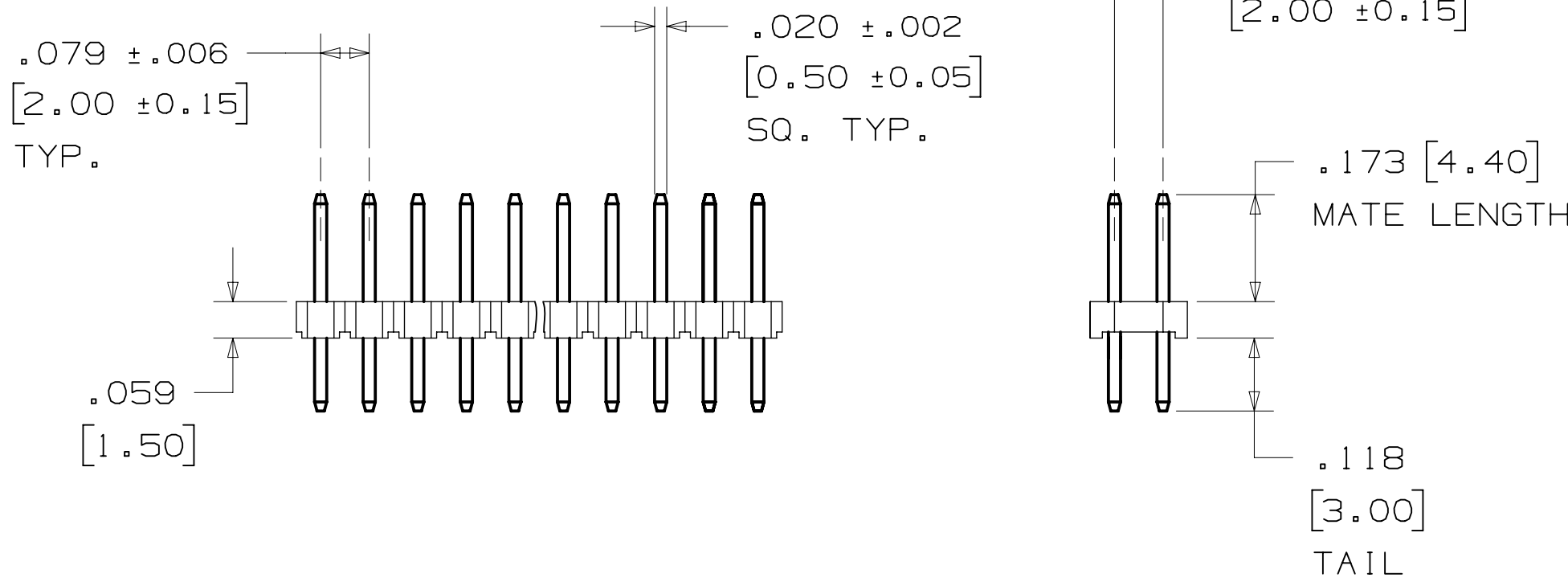
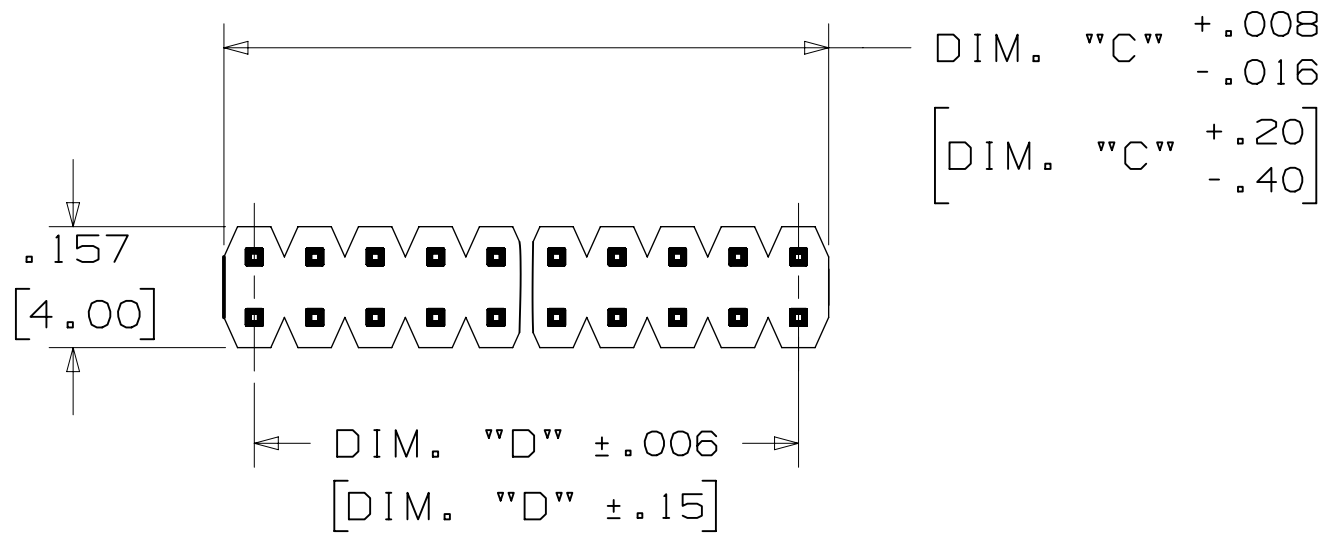
DIMENSIONS: INCH [MM]
[MM] FOR REF. ONLY

Access Codes		DRFT CASTIGLIONE		DATE FEB 23, 2015		MFG		DATE	
		CHKD		DATE		APPRV T. SUNIGA		DATE FEB 23, 2015	
DIVISION		DIVISION CODE		3M 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 4 1							
		THIRD ANGLE PROJECTION		INCHES :00 + :000 + :0000 +		MILLIMETERS :00 + :00 + :000 +			
INTERPRET PER ASME Y14.5 - 2009				MAX SURFACE ROUGHNESS		CAGE NUMBER		DRAWING NO.	
☒ UNFINISHED SURFACES		☐ MARKED ONLY		ANGLES		D 78-5100-2653-3		REV. B	
				MODEL 951XXX		DET. LISTS		☒ YES ☐ NO SHT 1 OF 6	

3M™ PIN STRIP HEADER, 951 SERIES
2MM AND 2MM X 2MM STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL



RECOMMENDED PC BOARD LAYOUT
(VIEWED FROM CONNECTOR SIDE)



RECOMMENDED PC BOARD LAYOUT
(VIEWED FROM CONNECTOR SIDE)

ORDERING INFORMATION
STRAIGHT VERSION

951XXX-8622-AR

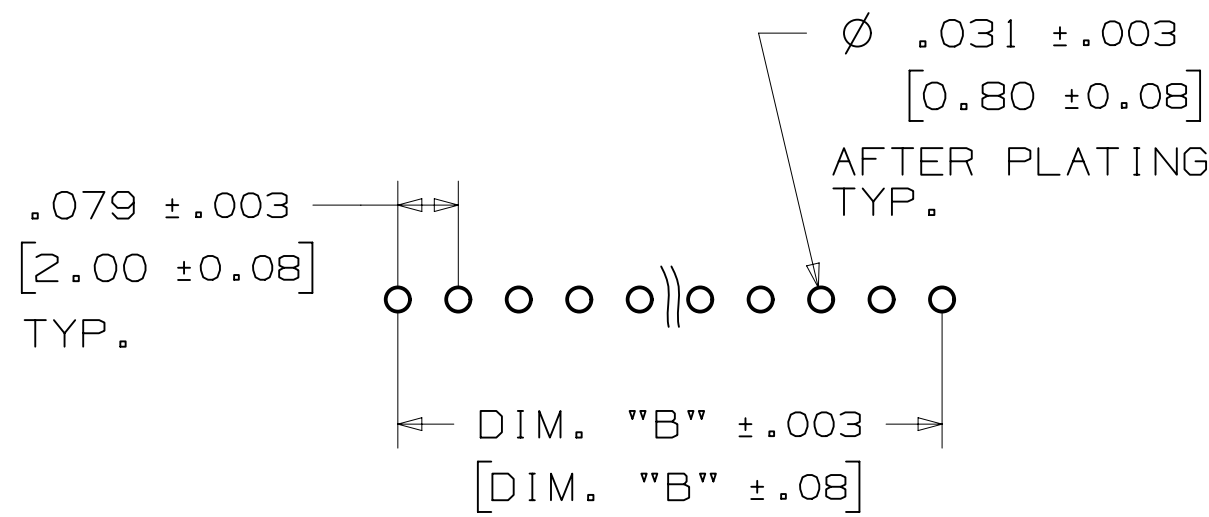
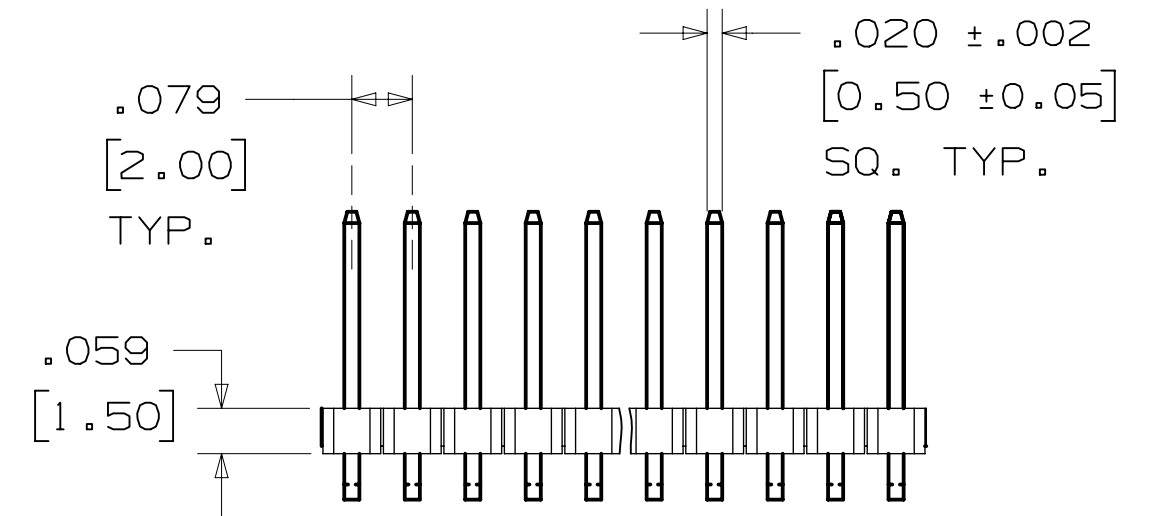
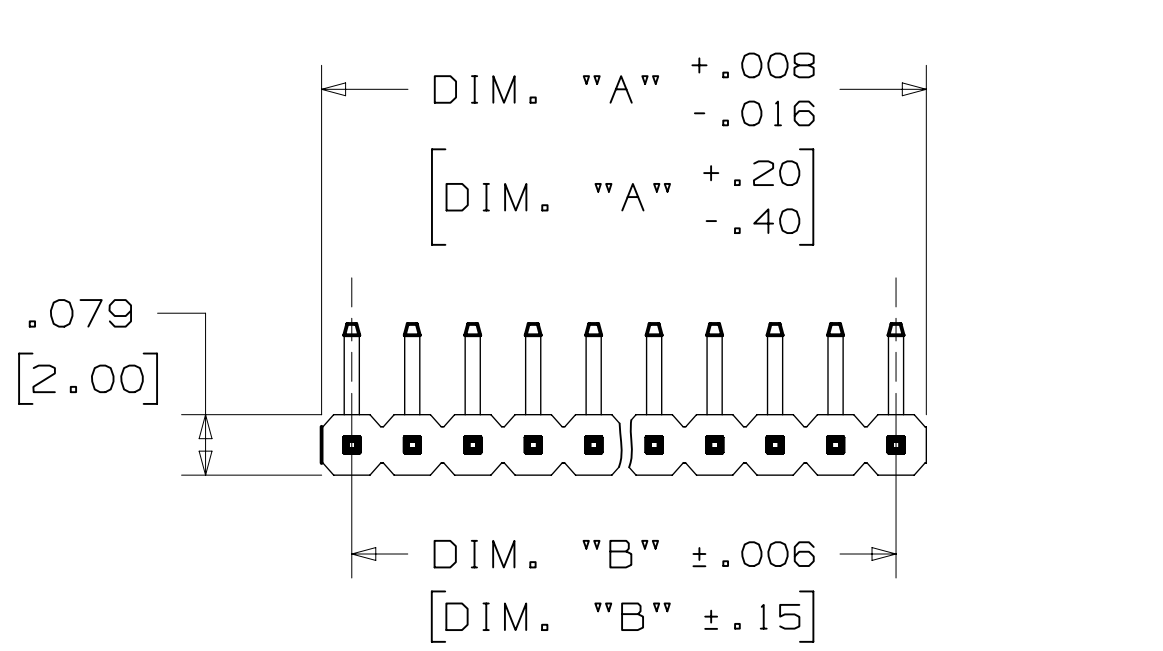
No. OF ROWS: 1 = 1 ROW
2 = 2 ROW

CONTACT QTY.
40 PINS = 1 ROW
80 PINS = 2 ROW

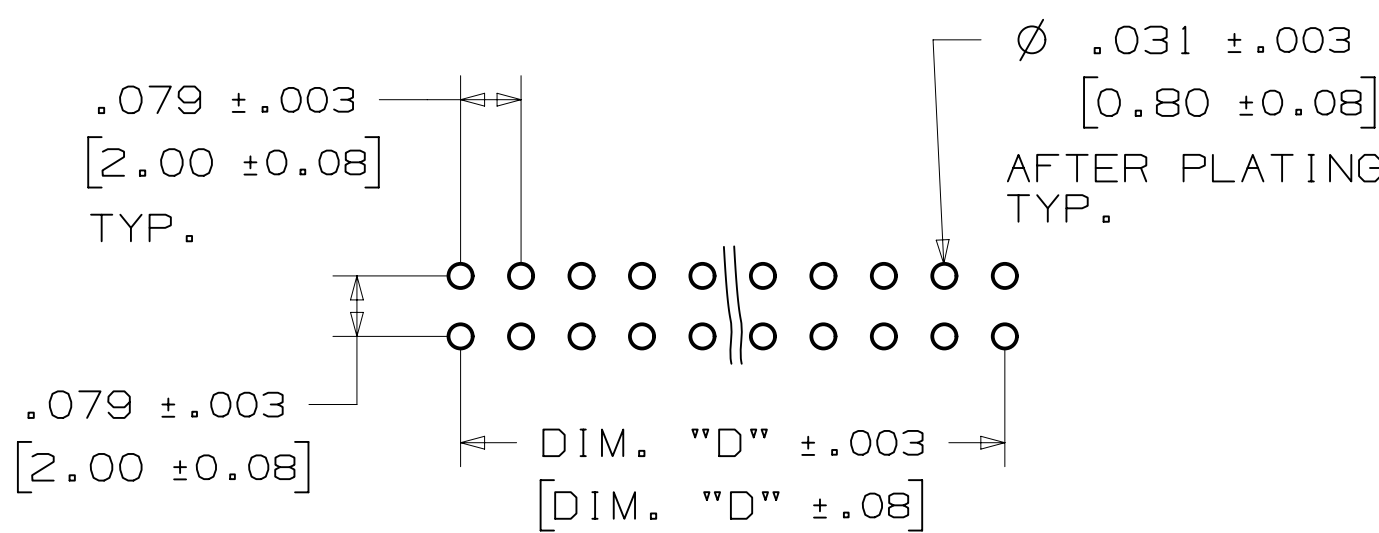
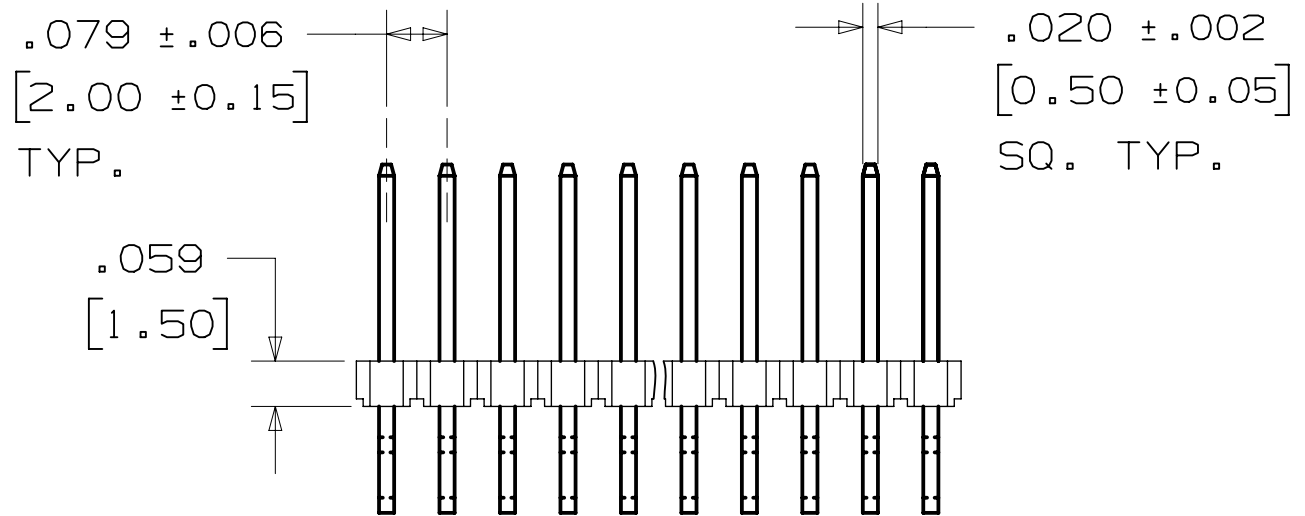
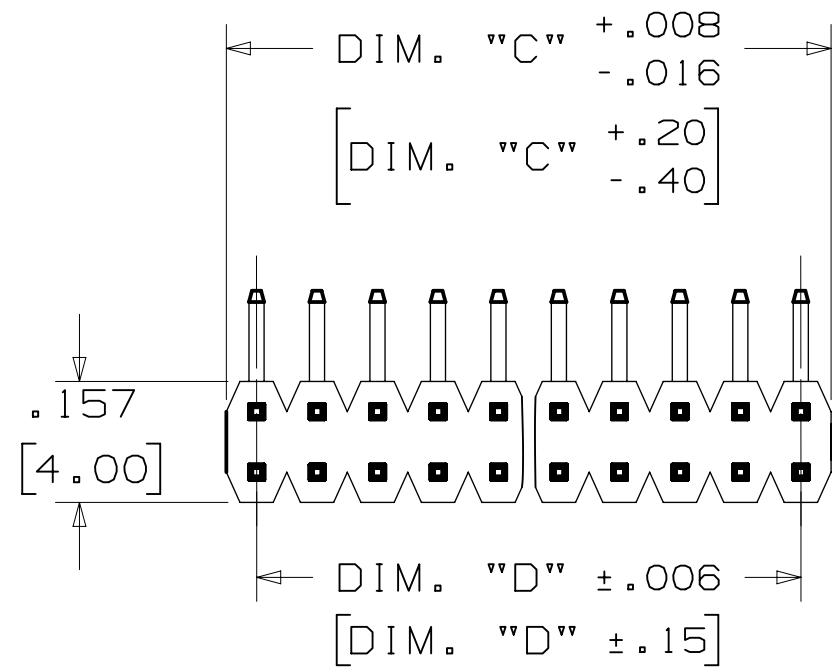
TABLE 1	
DIM. "A"	.079 [2.00] X N
DIM. "B"	.079 [2.00] X (N-1)
DIM. "C"	.079 [2.00] X (N/2)
DIM. "D"	.079 [2.00] X (N/2-1)
SEE NOTE 3	

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
CODES		CASTIGLIONE		FEB 23, 2015		
DIVISION	DIVISION CODE	CHKD	DATE	APPRV	DATE	REV
	EMSD			T. SUNIGA	FEB 23, 2015	
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION		INCHES .00 .000 ± .0000 ±				
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .00 .00 ± .000 ±				
MAX SURFACE ROUGHNESS		ANGLES				
✓	MARKED ONLY					
TITLE		PIN STRIP HEADER, 2MM X 2MM, STRAIGHT, SMT & RA, SOLDER TAIL				
CAGE NUMBER		D 78-5100-2653-3				
MODEL		951XXX				
REV.		SHT 2 OF 5				

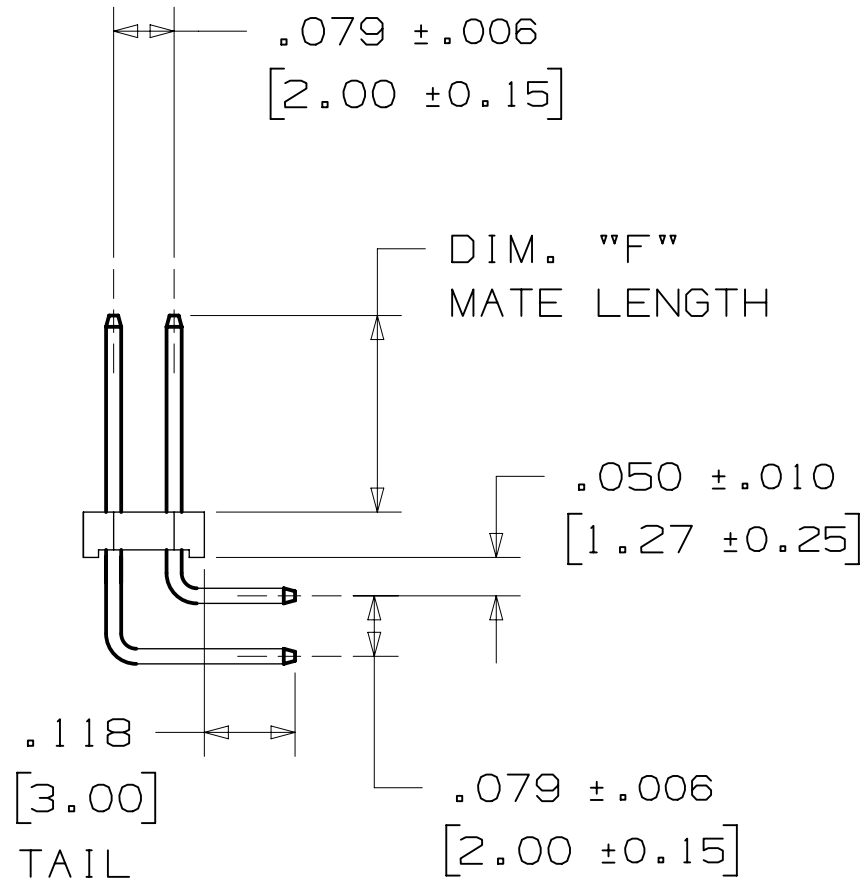
3M™ PIN STRIP HEADER, 951 SERIES
2MM AND 2MM X 2MM STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL



RECOMMENDED PC BOARD LAYOUT
(VIEWED FROM CONNECTOR SIDE)



RECOMMENDED PC BOARD LAYOUT
(VIEWED FROM CONNECTOR SIDE)



ORDERING INFORMATION
RIGHT ANGLE VERSION

951XXX-7X22-AR

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

CONTACT QTY:
40 PINS = 1 ROW
80 PINS = 2 ROW

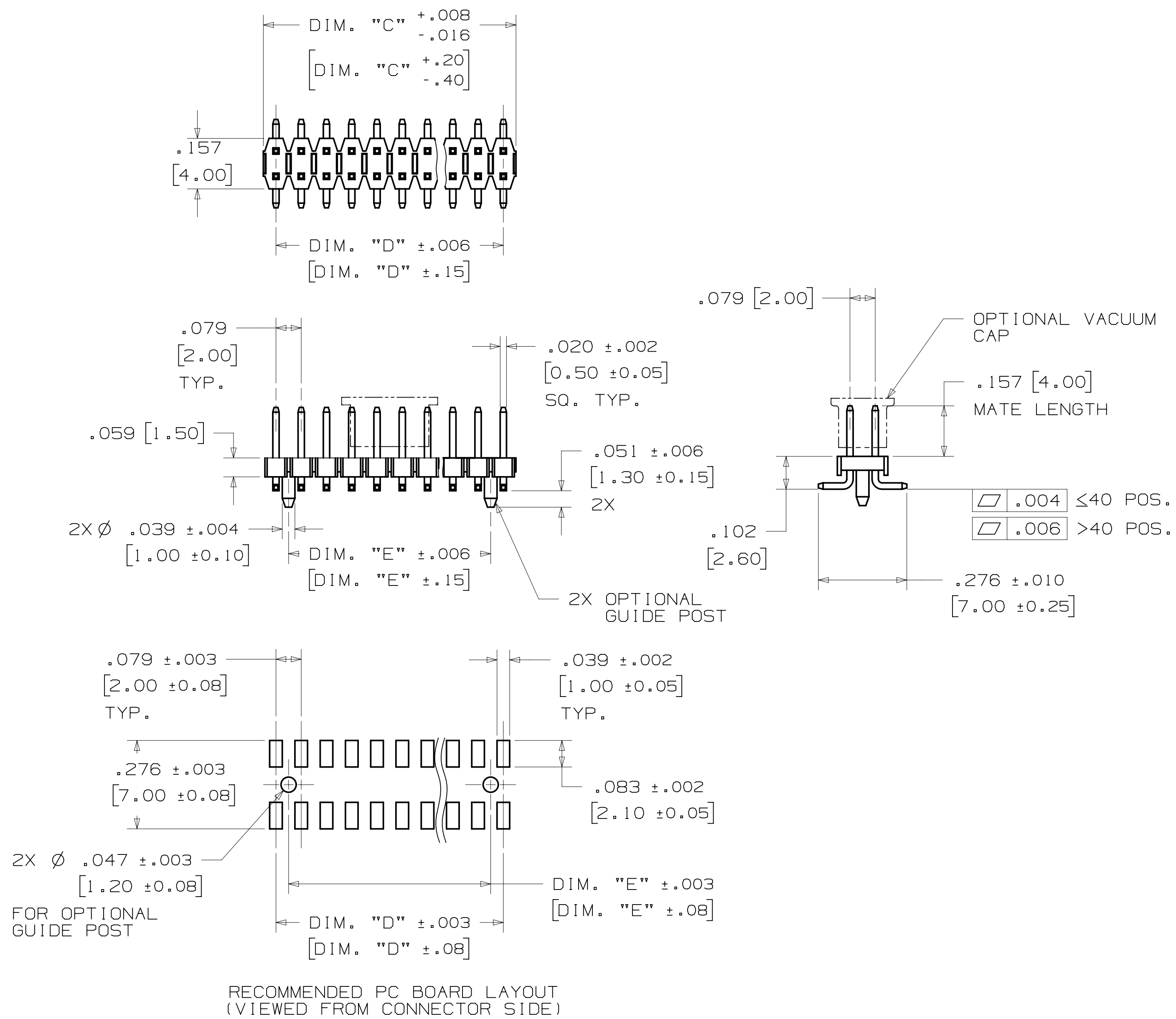
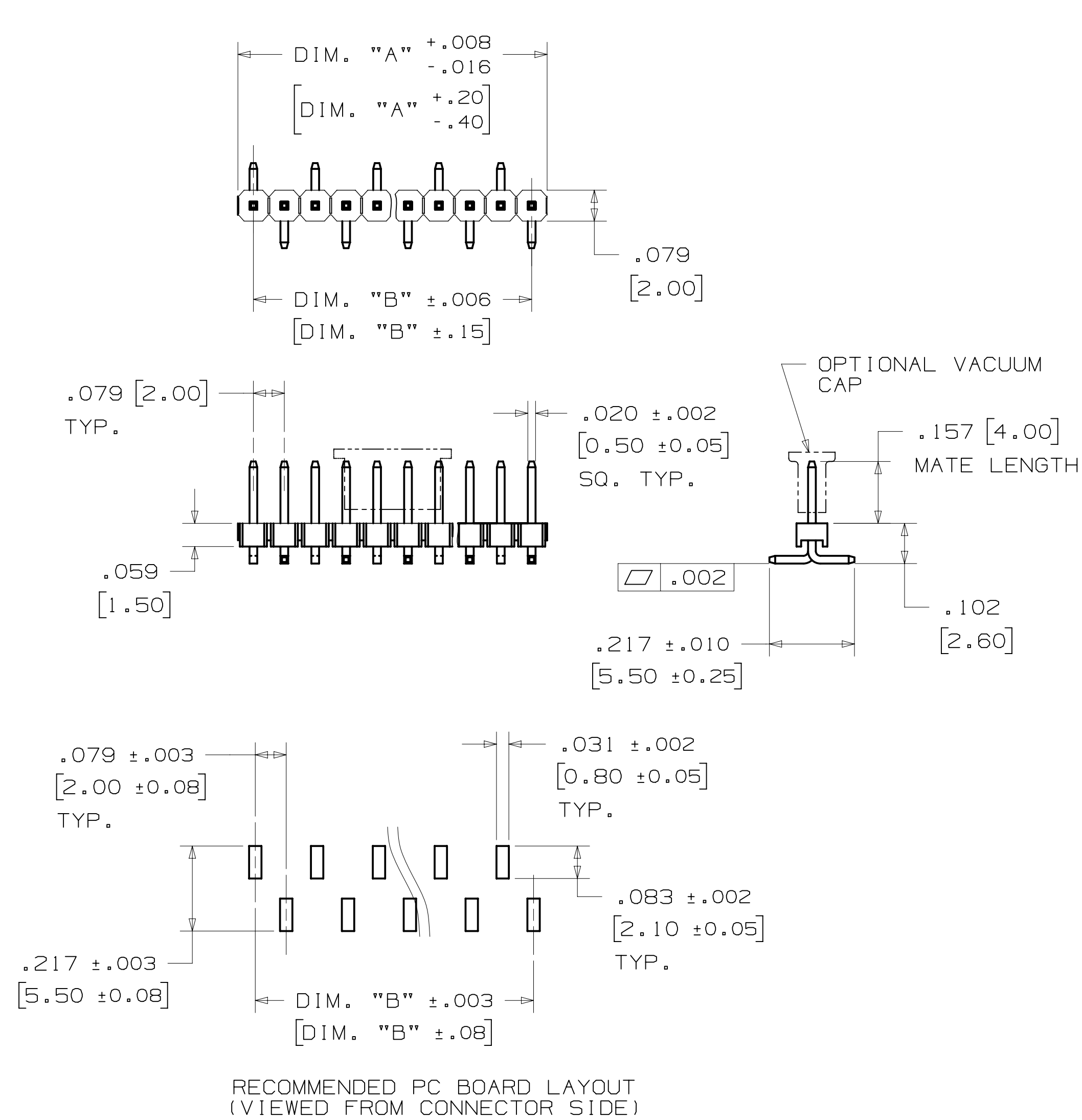
DIM. "F"
MATING PIN LENGTH:
6 = .173 [4.40]
7 = .295 [7.50]

TABLE 2	
DIM. "A"	.079 [2.00] X N
DIM. "B"	.079 [2.00] X (N-1)
DIM. "C"	.079 [2.00] X (N/2)
DIM. "D"	.079 [2.00] X (N/2-1)
SEE NOTE 3	

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES		DIVISION CODE		CHKD	CHKD	DATE	DATE	DATE	DATE
DIVISION		EMSD		CHKD	CHKD	FEB 23, 2015	FEB 23, 2015	FEB 23, 2015	FEB 23, 2015
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		© 3M COPYRIGHT 2017			
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		PIN STRIP HEADER, 2MM X 2MM, STRAIGHT, SMT & RA, SOLDER TAIL			
MARKED ONLY		CAGE NUMBER		DRAWING NO.		REV. B			
MODEL		951XXX		DET		SHT 3 OF 5			

3M™ PIN STRIP HEADER, 951 SERIES

2MM AND 2MM X 2MM STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL



ORDERING INFORMATION

SURFACE MOUNT VERSION

951 XXX - 25X0 - AR - XX

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

CONTACT QUANTITY:
40 PINS = 1 ROW
80 PINS = 2 ROW

```

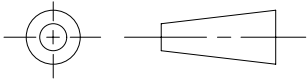
- PACKAGING:
  TP = TUBE
  PT = TUBE WITH PAD
  PR = TAPE & REEL WITH PAD
  NOTE: PAD OPTIONS
        1 ROW = 40 POSITION
        2 ROW = 80 POSITION

```

- BOARD LOCATION FEATURES:
3 = 1 ROW / PIN 1 LEFT
2 = 2 ROW / NONE
5 = 2 ROW / WITH LOCATION POST
(8 - 14 CONTACTS)

TABLE 3	
DIM. "A"	.079 [2.00] X N
DIM. "B"	.079 [2.00] X (N-1)
DIM. "C"	.079 [2.00] X (N/2)
DIM. "D"	.079 [2.00] X (N/2-1)
DIM. "E"	.079 [2.00] X (N/2-2)
SEE NOTE 3	

TAPE & REEL OPTION		
1 ROW	CONTACT QTY.	40
2 ROW		80
TAPE WIDTH [MM]		104

	B	76546	NOV 08,2017 REVISE SHT 4	JNC	SC					
	A	72044	MAR 06,2017 REVISE ELECTRICAL NOTES 3-2' REMOVED 2 CONNECTORS PRODUCTION RELEASE	JNC	TS					
DESIGN REFERENCE NEXT ASSEMBLY			REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD			
~~ASSEMBLY CODES~~			DRFT	CST	GLIGIONE	DATE	FEB 23,2015	MFG	DATE	
			CHKD			APPR.	T. SUNIGA	DATE	FEB 23,2015	
DIVISION			DIVISION CODE		© 3M COPYRIGHT 2017					
DO NOT SCALE DRAWING			SCALE 4 1		TOLERANCES EXCEPT AS NOTED		 3M Center St. Paul, MN 55144			
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THIRD ANGLE PROJECTION			MILLIMETERS		TITLE					
INTERPRET PER ASME Y14.5 - 2009			ANGLES		PIN STRIP HEADER, 2MM X 2MM, STRAIGHT, SMT & RA, SOLDER TAIL					
MAX SURFACE ROUGHNESS ✓  UNFINISHED SURFACES ☐ MARKED ONLY			CAGE NUMBER		SIZE	DRAWING NO.	REV.			
			D		78-5100-63-3	B				
			MODEL		951XXX		DET. LISTS		YES ☒ NO ☐	SHT 4 OF 5

3M™ PIN STRIP HEADER, 951 SERIES
2MM AND 2MM X 2MM STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL

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Austin, TX 78726-9000
1-800-225-5373
www.3M.com/interconnect

		B	76546	NOV 08,2017		JNC	SC
		A	72044	MAR 06,2017		JNC	TS
		REVISE ELECTRICAL NOTES					
		3-2-17 REMOVED 2 CONNECTORS					
		PRODUCTION RELEASE					
DESIGN REFERENCE		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
NEXT ASSEMBLY		DRP	CASTIGLIONE	DATE	FEB 23,2015	MFG	DATE
DIVISION		CHKD		DATE		APPRV	DATE
DIVISION CODE		EMSD		T. SUNIGA		FEB 23,2015	
DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED		3M 3M Center St. Paul, MN 55144			
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	INCHES .00 .000 .000 ± .000 ±		© 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	MARKED SURFACES	MILLIMETERS 0 ± .0 ± .00 ± .000 ±		TITLE PIN STRIP HEADER, 2MM X 2MM, STRAIGHT, SMT & RA, SOLDER TAIL			
MARKED ONLY	ANGLES	CAGE NUMBER	SIZE	DRAWING NO.	REV.		
		D	78-5100-2653-3	B			
		MODEL	951XXX	DET	LISTS	YES	NO
				SHT	5	OF	5



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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.