

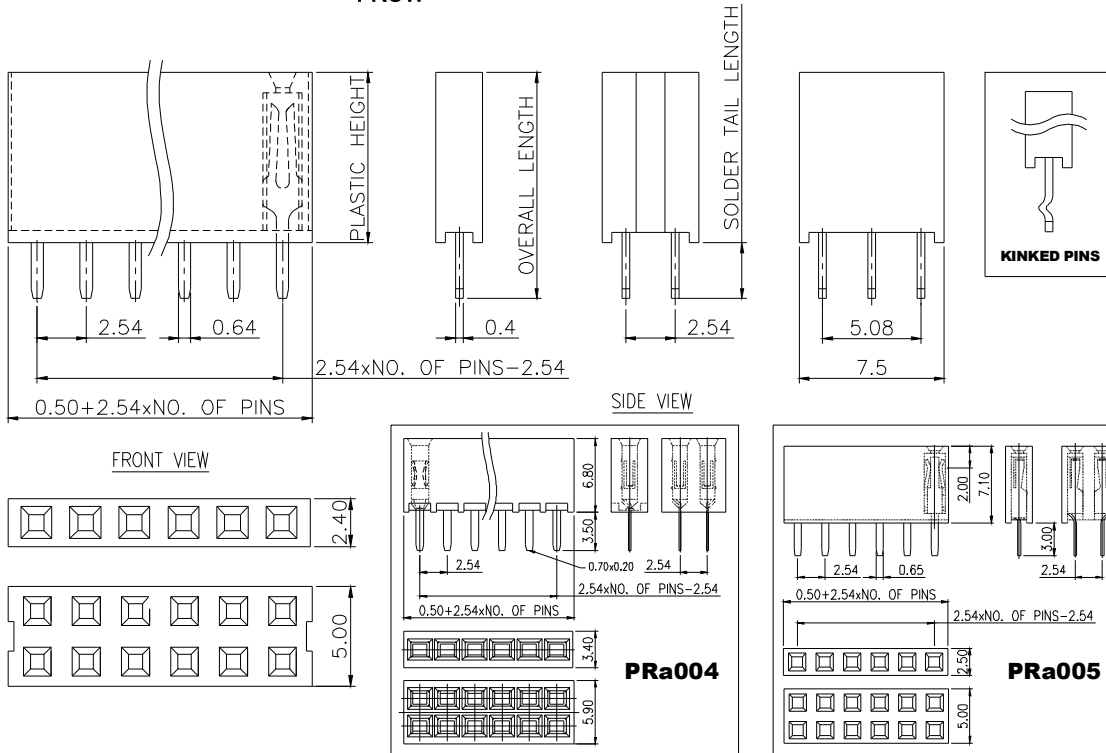
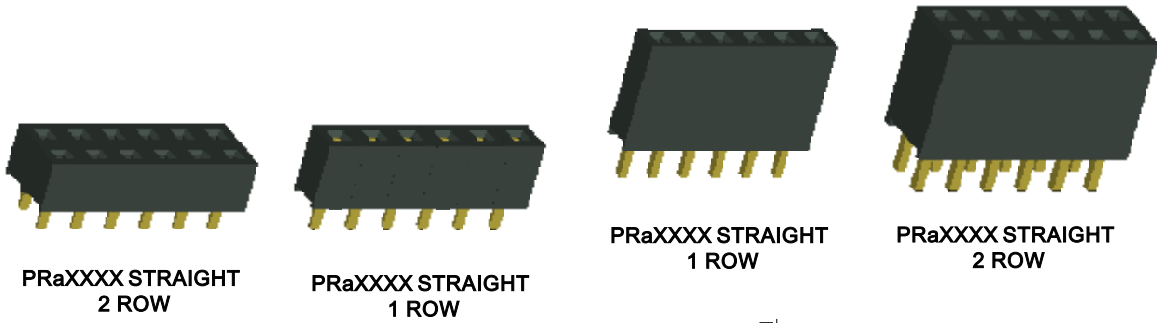
**MMI**

---

**PIN RECEPTACLE**  
**PITCH: 2.54x2.54mm**

---

# 2.54x2.54 mm HEADER RECEPTACLE STRAIGHT TYPE - P



**PR** - HEADER RECEPTACLE  
**a** - PITCH 2.54x2.54 mm  
**XXX** - SERIES NO. PLASTIC HEIGHT = XX.XXmm  
**P** - PCB TYPE P: STRAIGHT TYPE  
**##** - NO. OF PINS PER ROW  
**XX** - NO. OF ROW 01.02  
**GX** - CONTACT PLATING OPTION  
**XXX** - TAIL LENGTH, =XX.XXmm  
**X** - KINKED PINS  
 K: WITH KINKED PINS  
 BLANK: STANDARD PINS

SERIES NO.	OVERALL LENGTH	PLASTIC HEIGHT	TAIL LENGTH
001	11.70	8.50	3.20
002	8.50	5.70	2.80
004	10.30	6.80	3.50
005	10.10	7.10	3.00
007	14.20	11.00	3.20
007	13.30	11.00	2.30
007	18.35	11.00	7.35
007	23.20	11.00	12.20
007	28.40	11.00	17.40
710	10.30	7.10	3.20
850	14.00	8.50	5.50
850	18.40	8.50	9.90

**CONTACT PLATING OPTION**  
 Gf: GOLD FLASH  
 Gt: GOLD FLASH ON CONTACT, TIN PLATED ON SOLDER TAIL  
 G15t: 15u" GOLD ON CONTACT, TIN PLATED ON SOLDER TAIL  
 G30t: 30u" GOLD ON CONTACT, TIN PLATED ON SOLDER TAIL  
 G50t: 50u" GOLD ON CONTACT, TIN PLATED ON SOLDER TAIL

**RECOMMENDED P.C.BOARD HOLE LAYOUT**

## SPECIFICATIONS

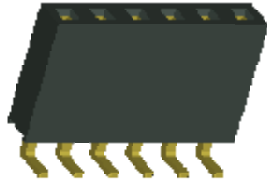
CURRENT RATING : 3 AMPS.  
 INSULATOR RESISTANCE : 5000 OHM MIN.  
 CONTACT RESISTANCE : 20m OHM MAX.  
 DIELECTRIC WITHSTANDING : AC 1000 V.  
 OPERATING TEMPERATURE : - 40°C ~ + 105°C  
 CONTACT MATERIAL : PHOSPHOR BRONZE

## MATERIALS

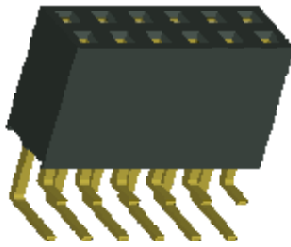
INSULATOR MATERIAL : P.B.T  
 FINISH : GOLD FLASH OR SELECTIVE

**NOTE** : SOME SIZES, STYLES AND OPTION ARE NON-STANDARD, NON-CANCELLABLE, NON-RETURNABLE

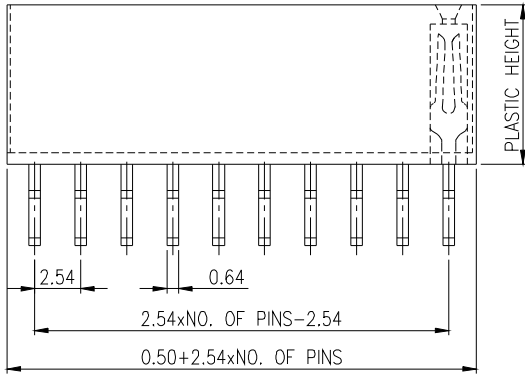
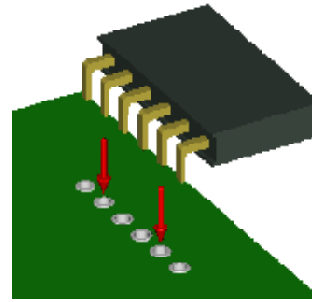
## 2.54x2.54 mm HEADER RECEPTACLE RIGHT ANGLE TYPE - Pa



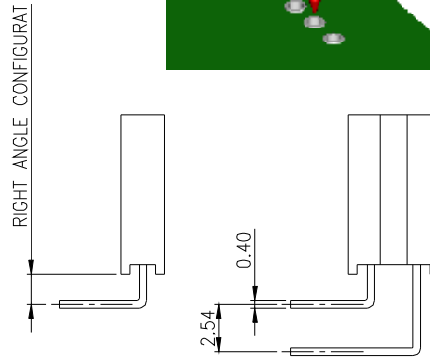
**PRaXXXX RIGHT ANGLE  
1 ROW**



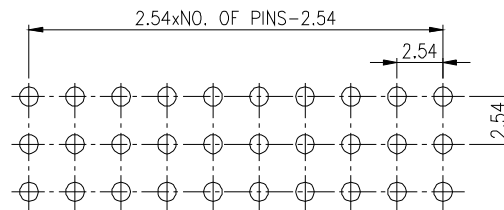
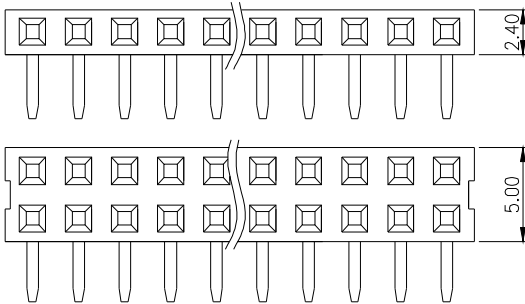
**PRaXXXX RIGHT ANGLE  
2 ROW**



FRONT VIEW



SIDE VIEW



RECOMMENDED P.C. BOARD HOLE LAYOUT

<b>PR</b>	<b>a</b>	<b>XXXX</b>	-	<b>Pa</b>	<b>##</b>	<b>XX</b>	<b>GX</b>											
HEADER RECEPTACLE	PITCH 2.54x2.54 mm	SERIES NO. OVERALL LENGTH		PCB TYPE Pa: RIGHT ANGLE TYPE	NO. OF PINS PER ROW	NO. OF ROW 01,02	CONTACT PLATING OPTION											
		<table border="1" style="font-size: small;"> <thead> <tr> <th>SERIES NO.</th> <th>OVERALL LENGTH</th> <th>PLASTIC HEIGHT</th> <th>TAIL LENGTH</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>14.70</td> <td>8.50</td> <td>3.20</td> </tr> <tr> <td>002</td> <td>11.90</td> <td>5.70</td> <td>3.30</td> </tr> </tbody> </table>	SERIES NO.	OVERALL LENGTH	PLASTIC HEIGHT	TAIL LENGTH	001	14.70	8.50	3.20	002	11.90	5.70	3.30				Gr: GOLD FLASH Gt: GOLD FLASH ON CONTACT, TIN PLATED ON SOLDER TAIL G15t: 15u" GOLD ON CONTACT, TIN PLATED ON SOLDER TAIL G30t: 30u" GOLD ON CONTACT, TIN PLATED ON SOLDER TAIL G50t: 50u" GOLD ON CONTACT, TIN PLATED ON SOLDER TAIL
SERIES NO.	OVERALL LENGTH	PLASTIC HEIGHT	TAIL LENGTH															
001	14.70	8.50	3.20															
002	11.90	5.70	3.30															

### SPECIFICATIONS

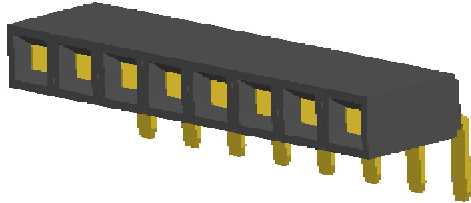
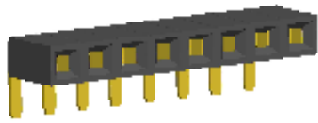
CURRENT RATING : 3 AMPS.  
 INSULATOR RESISTANCE : 5000 OHM MIN.  
 CONTACT RESISTANCE : 20m OHM MAX.  
 DIELECTRIC WITHSTANDING : AC 500 V.  
 OPERATING TEMPERATURE : - 40°C ~ + 105°C  
 CONTACT MATERIAL : PHOSPHOR BRONZE

### MATERIALS

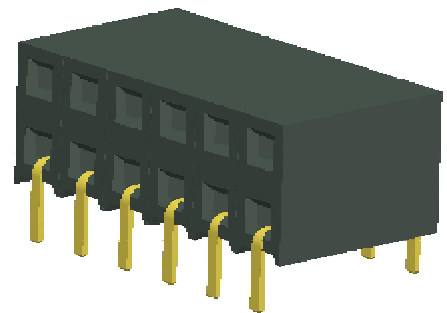
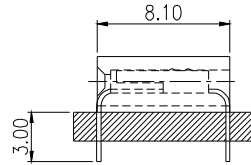
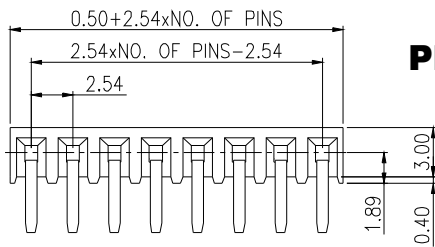
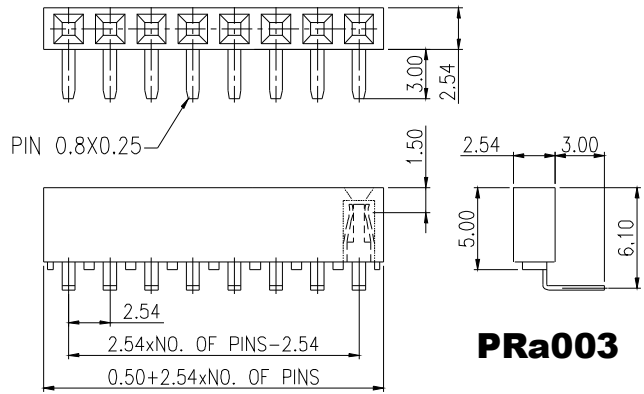
INSULATOR MATERIAL : STANDARD : P.B.T / POLYESTER UL 94V-0  
 FINISH : GOLD FLASH OR DUPLEX PLATED

**NOTE : SOME SIZES, STYLES AND OPTION ARE NON-STANDARD, NON-CANCELLABLE, NON-RETURNABLE**

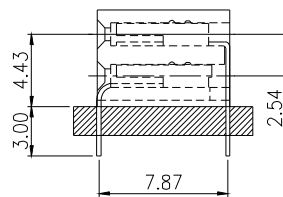
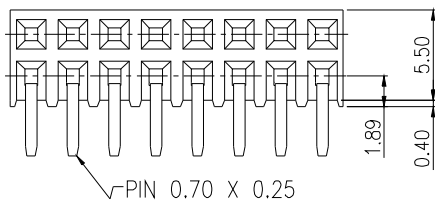
# 2.54x2.54 mm HEADER RECEPTACLE RIGHT ANGLE TYPE - Pa



**PRa003 RIGHT ANGLE  
1 ROW**



**PRa008 RIGHT ANGLE  
2 ROW**



<b>PR</b>	<b>a</b>	<b>XXXX</b>	<b>-</b>	<b>Pa</b>	<b>##</b>	<b>XX</b>	<b>GX</b>
HEADER RECEPTACLE		SERIES NO. 003,008: SIDE ENTRY TYPE		PCB TYPE Pa: RIGHT ANGLE TYPE	NO. OF PINS PER ROW	NO. OF ROW 01,02	CONTACT PLATING OPTION
PITCH 2.54x2.54 mm							Gf: GOLD FLASH Gft: GOLD FLASH ON CONTACT, TIN PLATED ON SOLDER TAIL G15t: 15u" GOLD ON CONTACT, TIN PLATED ON SOLDER TAIL G30t: 30u" GOLD ON CONTACT, TIN PLATED ON SOLDER TAIL G50t: 50u" GOLD ON CONTACT, TIN PLATED ON SOLDER TAIL
<p><b>PRa008</b></p> <p>RECOMMENDED PCB HOLE LAYOUT</p>		<p><b>PRa003</b></p> <p>RECOMMENDED P.C.BOARD HOLE LAYOUT</p>					

## SPECIFICATIONS

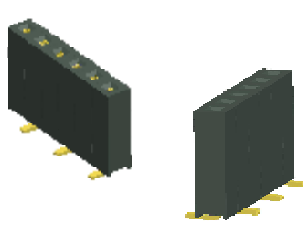
CURRENT RATING : 3 AMPS.  
 INSULATOR RESISTANCE : 5000 OHM MIN.  
 CONTACT RESISTANCE : 20m OHM MAX.  
 DIELECTRIC WITHSTANDING : AC 500 V.  
 OPERATING TEMPERATURE : - 40°C ~ + 105°C  
 CONTACT MATERIAL : PHOSPHOR BRONZE

## MATERIALS

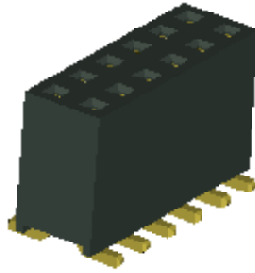
INSULATOR MATERIAL : STANDARD : P.B.T / POLYESTER UL 94V-0  
 FINISH : GOLD FLASH OR DUPLEX PLATED

**NOTE : SOME SIZES, STYLES AND OPTION ARE NON-STANDARD, NON-CANCELLABLE, NON-RETURNABLE**

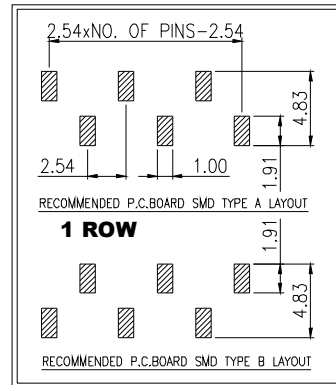
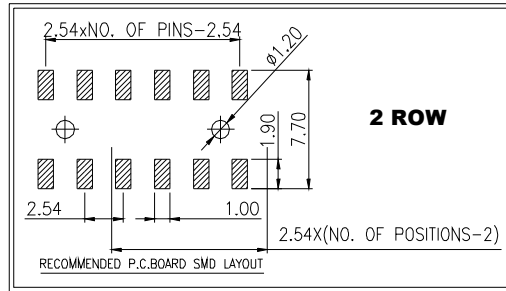
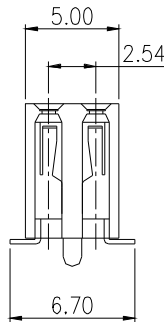
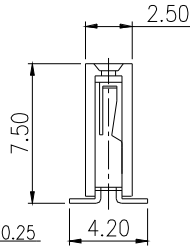
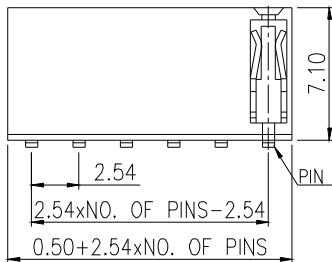
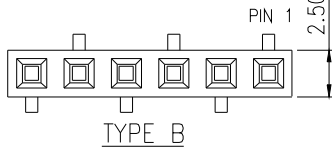
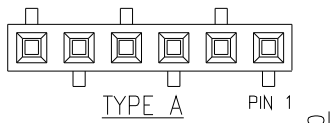
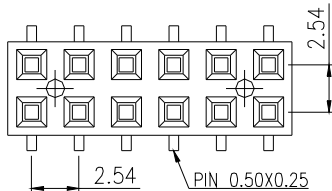
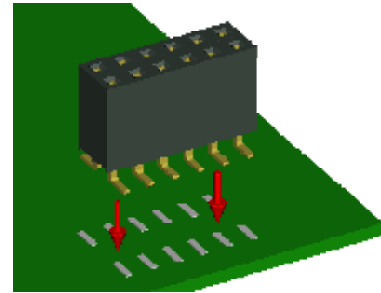
# 2.54x2.54 mm HEADER RECEPTACLE SURFACE MOUNT TYPE - Pt



**PRa005 RIGHT ANGLE  
1 ROW**

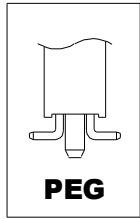


**PRa005 RIGHT ANGLE  
2 ROW**



<b>PR</b>	<b>a</b>	<b>005</b>	<b>-</b>	<b>Pt</b>	<b>X</b>	<b>##</b>	<b>0X</b>	<b>GX</b>	<b>-</b>	<b>X</b>
HEADER RECEPTACLE	SERIES NO. 005: TOP ENTRY TYPE			SMD TYPE (ONLY SINGLE ROW) A: TYPE A B: TYPE B		NO. OF ROW 01, 02		CONTACT PLATING OPTION		PEG OPTION P: WITH PEG BLANK: WITHOUT PEG
	PITCH 2.54X2.54mm			PCB TYPE Pt: SURFACE MOUNT TYPE		NO. OF PINS PER ROW				

**CONTACT PLATING OPTION**  
 Gf: GOLD FLASH  
 Gf: GOLD FLASH ON CONTACT, TIN PLATED ON SOLDERTAIL  
 G15t: 15u" GOLD ON CONTACT, TIN PLATED ON SOLDERTAIL  
 G30t: 30u" GOLD ON CONTACT, TIN PLATED ON SOLDERTAIL  
 G50t: 50u" GOLD ON CONTACT, TIN PLATED ON SOLDERTAIL



## SPECIFICATIONS

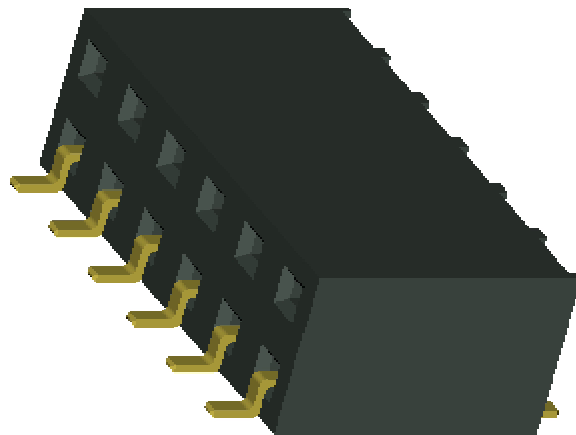
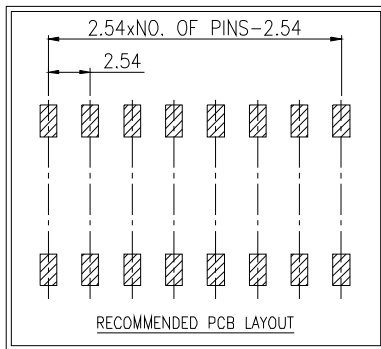
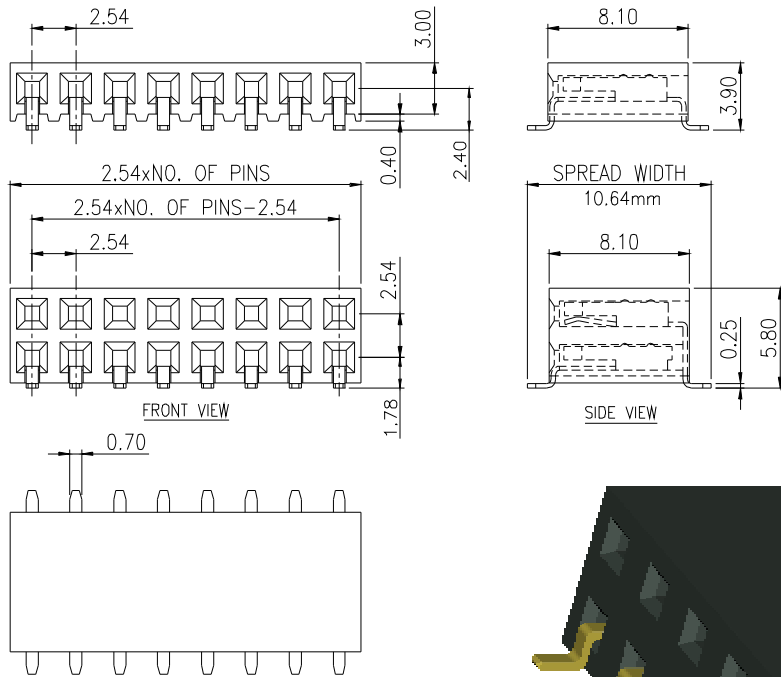
CURRENT RATING : 3 AMPS.  
 INSULATOR RESISTANCE : 5000 OHM MIN.  
 CONTACT RESISTANCE : 20m OHM MAX.  
 DIELECTRIC WITHSTANDING : AC 1000 V.  
 OPERATING TEMPERATURE : - 40°C ~ + 105°C  
 CONTACT MATERIAL : PHOSPHOR BRONZE

## MATERIALS

INSULATOR MATERIAL : STANDARD : NYLON 6T UL 94V-0  
 FINISH : GOLD FLASH OR TIN PLATED OR DUPLEX PLATED

**NOTE : SOME SIZES, STYLES AND OPTION ARE NON-STANDARD, NON-CANCELLABLE, NON-RETURNABLE**

# 2.54x2.54 mm HEADER RECEPTACLE R / A SURFACE MOUNT TYPE - Rt



**PRa008 SURFACE MOUNT  
2 ROW**

<b>PR</b>	<b>a</b>	<b>008</b>	-	<b>Rt</b>	<b>##</b>	<b>XX</b>	<b>GX</b>	-	<b>X</b>
HEADER RECEPTACLE		SERIES NO. 008: SIDE ENTRY TYPE		PCB TYPE Rt: RIGHT ANGLE SURFACE MOUNT TYPE	NO. OF PINS PER ROW	NO. OF ROW 01,02	CONTACT PLATING OPTION		SPREAD WIDTH, =XX.XXmm
PITCH 2.54x2.54 mm							Gf: GOLD FLASH Gft: GOLD FLASH ON CONTACT, TIN PLATED ON SOLDER TAIL G15t: 15u" GOLD ON CONTACT, TIN PLATED ON SOLDER TAIL G30t: 30u" GOLD ON CONTACT, TIN PLATED ON SOLDER TAIL G50t: 50u" GOLD ON CONTACT, TIN PLATED ON SOLDER TAIL		

## SPECIFICATIONS

CURRENT RATING : 3 AMPS.  
INSULATOR RESISTANCE : 5000 OHM MIN.  
CONTACT RESISTANCE : 20m OHM MAX.  
DIELECTRIC WITHSTANDING : AC 500 V.  
OPERATING TEMPERATURE : - 40°C ~ + 105°C  
CONTACT MATERIAL : PHOSPHOR BRONZE

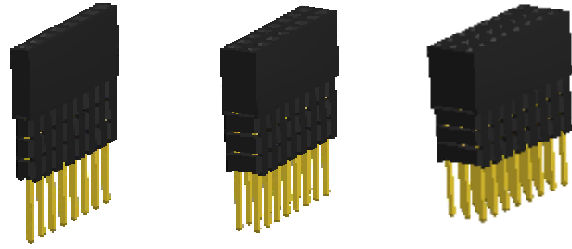
## MATERIALS

INSULATOR MATERIAL : STANDARD : NYLON 6T /  
POLYESTER UL 94V-0  
FINISH : GOLD FLASH OR TIN PLATED OR DUPLEX PLATING

**NOTE : SOME SIZES, STYLES AND OPTION ARE NON-STANDARD, NON-CANCELLABLE, NON-RETURNABLE**

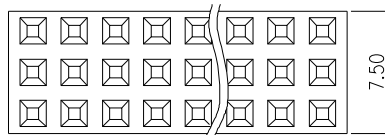
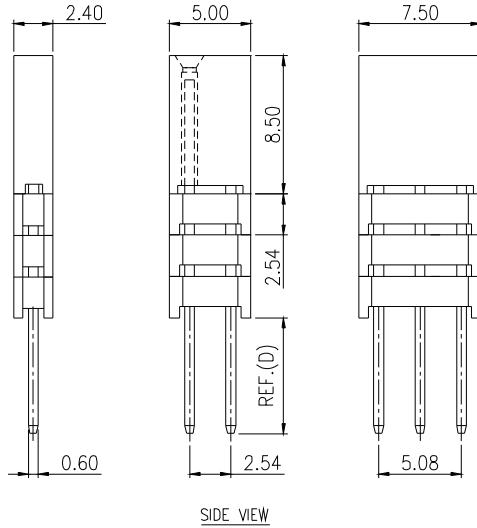
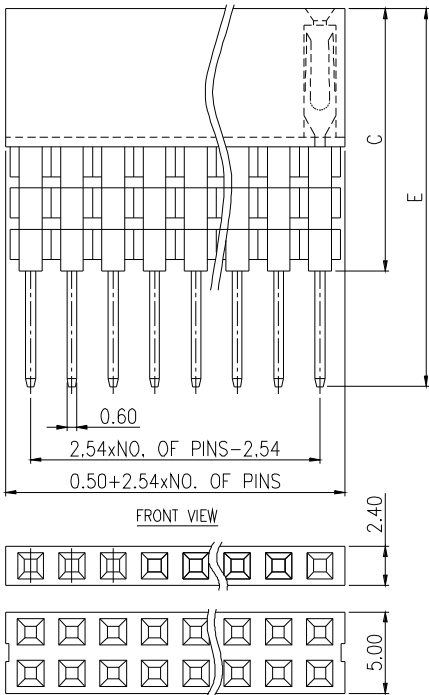
# 2.54x2.54 mm ELEVATED HEADER RECEPTACLE STRAIGHT TYPE - P

PART NO.	BASE	C	D	E
EPRa1-PXXOXGX-L	1 LAYER	11.05	12.2	23.25
EPRa2-PXXOXGX-L	2 LAYERS	13.59	9.65	23.24
EPRa3-PXXOXGX-L	3 LAYERS	16.13	7.10	23.23
EPRa4-PXXOXGX-L	4 LAYERS	18.67	4.60	23.27
PART NO.	BASE	C	D	E
EPRa1-PXXOXGX-L1	1 LAYER	11.05	7.35	18.40
EPRa2-PXXOXGX-L1	2 LAYERS	13.59	4.85	18.44
EPRa3-PXXOXGX-L1	3 LAYERS	16.13	2.30	18.43
PART NO.	BASE	C	D	E
EPRa1-PXXOXGX-S	1 LAYER	11.05	2.5	13.55
PART NO.	BASE	C	D	E
EPRa1-PXXOXGX-S1	1 LAYER	11.05	3.2	14.25



EPRaX STRAIGHT 1 ROW    EPRaX STRAIGHT 2 ROW    EPRaX STRAIGHT 3 ROW

## PC 104 CONNECTOR



**EPR** - ELEVATED HEADER RECEPTACLE  
**a** - PITCH 2.54\*2.54 mm  
**X** - NO. OF PLASTIC STANDOFF  
 1: ONE LAYER OF STANDOFF  
 2: TWO LAYER OF STANDOFF  
 3: THREE LAYER OF STANDOFF  
 4: FORE LAYER OF STANDOFF

**P** - PCB TYPE  
 P: STRAIGHT TYPE

**##** - NO. OF PINS PER ROW

**OX** - NO. OF ROW  
 01,02,03

**GX** - CONTACT PLATING OPTION  
 Gf: GOLD FLASH  
 Gft: GOLD FLASH ON CONTACT, TIN PLATED ON SOLDER TAIL  
 G10: 10u" GOLD FLASH  
 G30: 30u" GOLD FLASH  
 Gt: TIN PLATING

**X** - OVERALL LENGTH  
 L: 23.24mm  
 L1: 18.40mm  
 S: 13.55mm  
 S1: 14.25mm

**RECOMMENED P.C.BOARD HOLE LAYOUT**

### SPECIFICATIONS

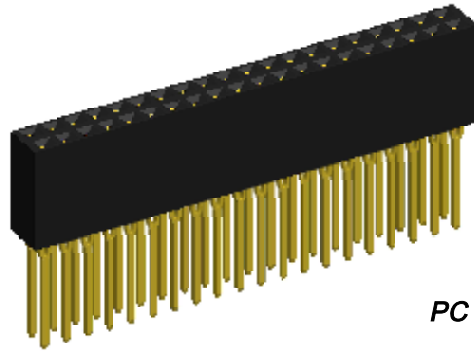
CURRENT RATING : 3 AMPS.  
 INSULATOR RESISTANCE : 5000 OHM MIN.  
 CONTACT RESISTANCE : 20m OHM MAX.  
 DIELECTRIC WITHSTANDING : AC 1000 V.  
 OPERATING TEMPERATURE : - 40°C ~ + 105°C  
 CONTACT MATERIAL : PHOSPHOR BRONZE

### MATERIALS

INSULATOR MATERIAL : STANDARD : P.B.T UL94V-0  
 FINISH : GOLD FLASH

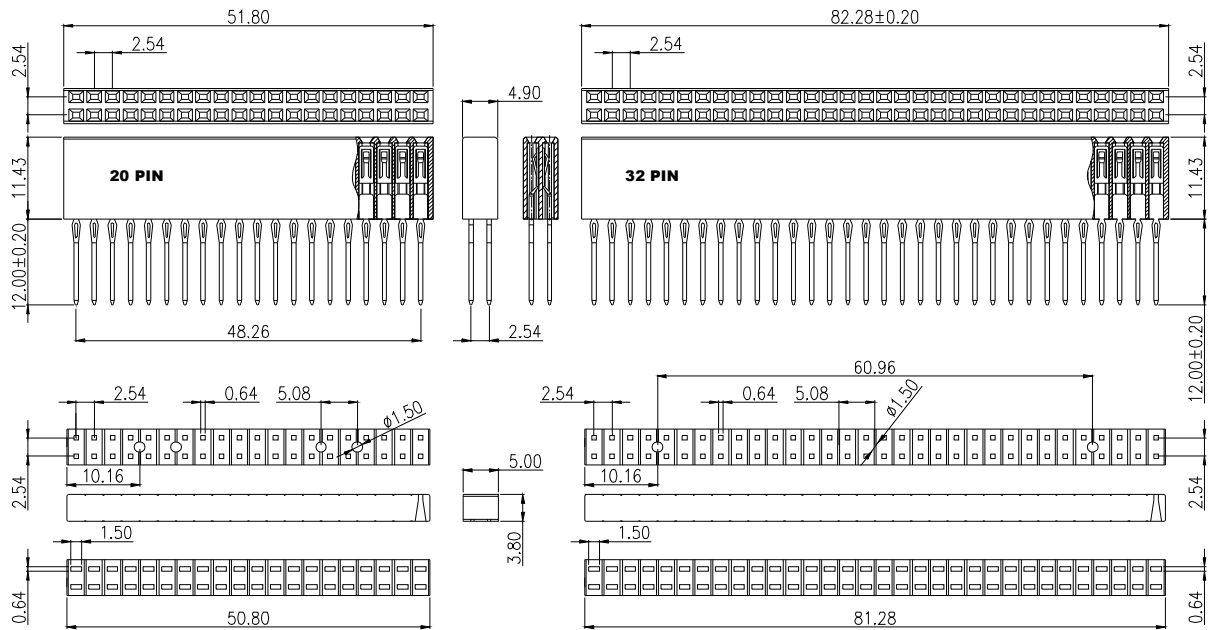
NOTE : SOME SIZES, STYLES AND OPTION ARE NON-STANDARD, NON-CANCELLABLE, NON-RETURNABLE

# 2.54x2.54 mm ELEVATED HEADER RECEPTACLE PRESS FIT TYPE - Pf



**PC 104 CONNECTOR**

**EPRa0 PRESS FIT  
2 ROW**



<b>EPR</b>	<b>a</b>	<b>0</b>	<b>-</b>	<b>Pf</b>	<b>##</b>	<b>02</b>	<b>GX</b>	<b>-</b>	<b>AD</b>
ELEVATED HEADER RECEPTACLE				PCB TYPE Pf: PRESS FIT TYPE		NO. OF ROW 02	CONTACT PLATING OPTION		AD: ADAPTER (STANDARD)
PITCH 2.54*2.54 mm		0: PC/104		NO. OF PINS PER ROW ONLY 20, 32 PINS		Gf: GOLD FLASH Gf1: GOLD FLASH ON CONTACT, TIN PLATED ON SOLDER TAIL G10: 10u" GOLD FLASH G30: 30u" GOLD FLASH Gt: TIN PLATING			
<p style="text-align: center;">PCB LAYOUT</p>									

**SPECIFICATIONS**

CURRENT RATING : 3 AMPS.  
 INSULATOR RESISTANCE : 1000 OHM MIN.  
 CONTACT RESISTANCE : 20m OHM MAX.  
 DIELECTRIC WITHSTANDING : AC 1500 V.  
 OPERATING TEMPERATURE : - 40°C ~ + 105°C  
 CONTACT MATERIAL : COPPER ALLOY

**MATERIALS**

INSULATOR MATERIAL : STANDARD : P.B.T + 30% GLASS FIBER UL 94V-0  
 FINISH : GOLD FLASH

**NOTE : SOME SIZES, STYLES AND OPTION ARE NON-STANDARD, NON-CANCELLABLE, NON-RETURNABLE**