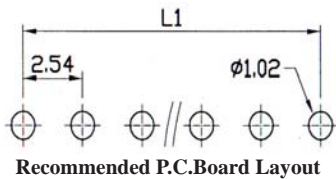
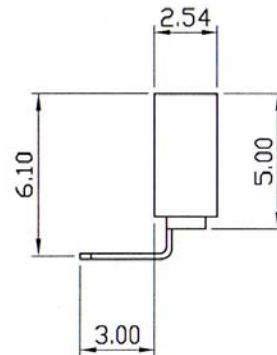
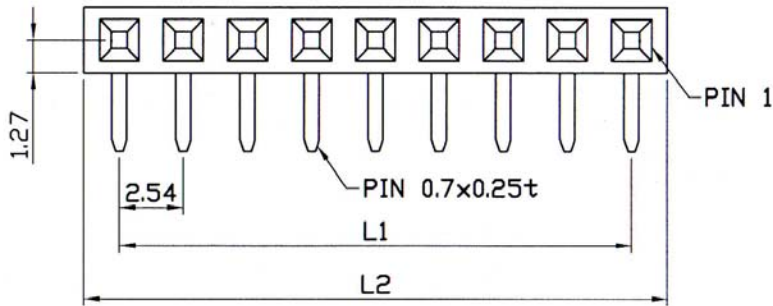


**2.54MM(0.100") FEMALE HEADER DUAL BEAM FOLDED CONTACTS  
SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE=5.00MM**



**DIMENSIONS:**  
 $L1 = 2.54 \times (\text{No. of Contacts}-1)$   
 $L2 = 0.5 + 2.54 \times \text{No. of Positions}$

**SPECIFICATIONS**

**Current Rating:** 3 Amp  
**Insulation Resistance:** 1000M $\Omega$  Min  
**Dielectric Withstanding:** 600V AC/DC  
**Contact Resistance:** 20m $\Omega$  Max.  
**Operating Temperature:** -40 $^{\circ}$ c to +105 $^{\circ}$ c

**MATERIALS**

**Contact Material:** Phosphor Bronze  
**Insulation Material:** Polyester, UL 94V-0  
 Nylon-6T  
**Contact Plating:** Full Gold, Full Tin, Selective Plated  
**Standard:** Gold Flash all Over Nickel  
**All materials must be RoHS compliant.**

**ORDERING INFORMATION:**

**P/N 2 5 4 FR - x x x B / 6 T**  
 1 2 3 4

1. CONNECTOR TYPE:  
"FR" SINGLE ROW RIGHT ANGLE TYPE
2. NO. OF CONTACTS:  
002 ~ 040
3. CONTACT FINISH:  
"G" FULL GOLD PLATED  
"S" SELECTIVE GOLD PLATED  
"T" FULL TIN PLATED
4. INSULATOR MATERIAL:  
"6T" NYLON 6T

## 2.54MM(0.100") FEMALE HEADER RIGHT ANGLE TYPE PROFILE=5.50MM

### SPECIFICATIONS

**Current Rating:** 1 Amp

**Contact Resistance:** 30mΩ Max.

**Insulator Resistance:** 3000 MΩ Min.

**Dielectric Withstand:** 500V AC For 1 Min.

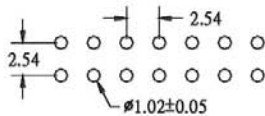
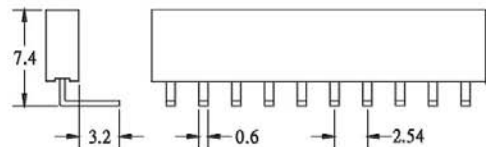
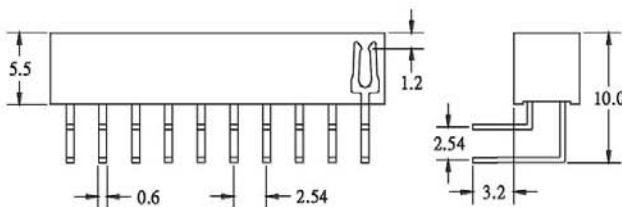
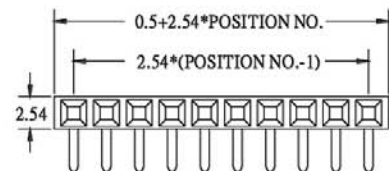
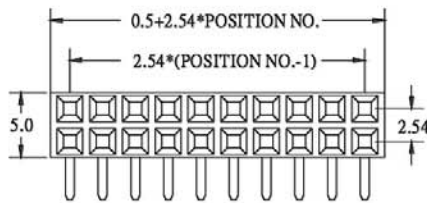
**Operating Temperature:** -40°C to +105°C

### MATERIALS

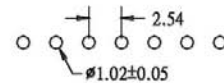
**Insulator:** PBT, Glass Reinforced, UL94V-0

**Contacts:** Phosphor Bronze

**All materials must be RoHS compliant.**



Recommended P.C.Board Layout



Recommended P.C.Board Layout

### ORDERING INFORMATION:

P/N 254  $\frac{XX}{1}$  -  $\frac{XXX}{2}$   $\frac{X}{3}$  B

**1. NO. OF ROWS:**

"EV" SINGLE ROW

"EW" DOUBLE ROW

**2. NO. OF CONTACTS:**

002 ~ 040 FOR SINGLE ROW

004 ~ 080 FOR DOUBLE ROW

**3. CONTACT FINISH:**

"G" FULL GOLD PLATED

"T" FULL TIN PLATED

## 2.54MM (0.100") FEMALE HEADER SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE=5.70MM

### SPECIFICATIONS

**Rating Current:** 3 Amperes

**Insulation Resistance:** 1000MΩ Min.

**Dielectric Withstanding:** 600V AC

**Contact Resistance:** 20mΩ Max.

**Operating Temperature:** -40°C to +105°C

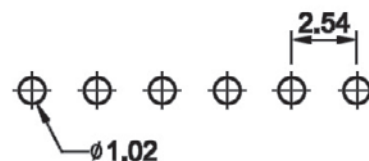
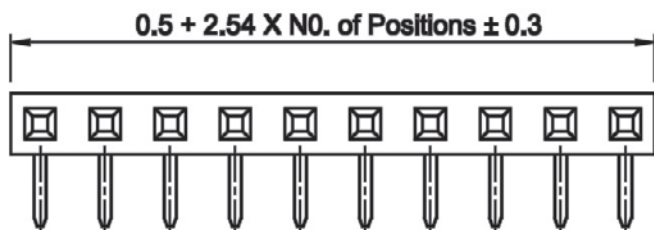
### MATERIALS

**Contact Material:** Phosphor Bronze

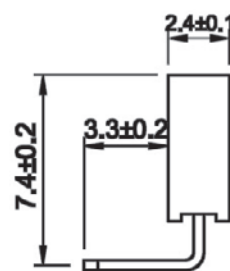
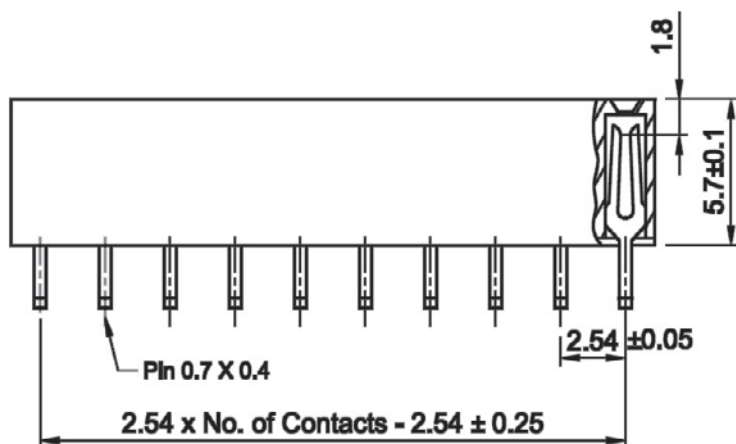
**Contact Plating:** Gold / Tin over Nickel

**Insulator:** Glass Filled Polyester (UL 94V-0)  
P.B.T. & Nylon-6T

\* RoHS & REACH compliant.



Recommended P.C.Board Layout



### ORDERING INFORMATION:

P/N 2 5 4 FJ - xxx B / xx

1. CONTACT TYPE:  
"FJ" SINGLE ROW R/A TYPE
2. NO. OF CONTACTS:  
002~040
3. CONTACT FINISH:  
"G" FULL GOLD PLATED  
"S" SELECTIVE GOLD PLATED  
"T" FULL TIN PLATED

4. INSULATOR MATERIAL:  
" " PBT  
"6T" NYLON 6T

## 2.54MM (0.100") FEMALE HEADER DOUBLE ROW RIGHT ANGLE DIP TYPE PROFILE=5.70MM

### SPECIFICATIONS

**Rating Current:** 3 Amperes

**Insulation Resistance:** 1000MΩ Min.

**Dielectric Withstanding:** 600V AC

**Contact Resistance:** 20mΩ Max.

**Operating Temperature:** -40°C to +105°C

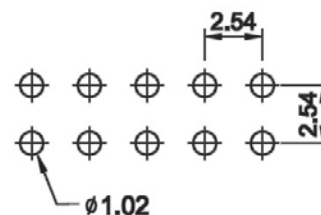
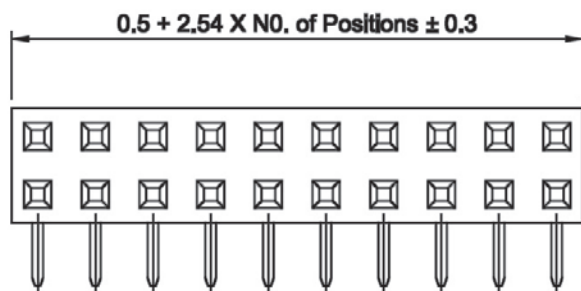
### MATERIALS

**Contact Material:** Phosphor Bronze

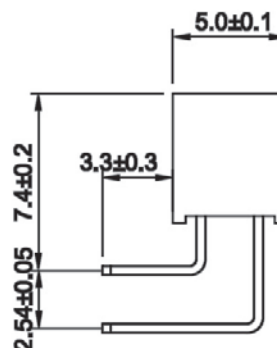
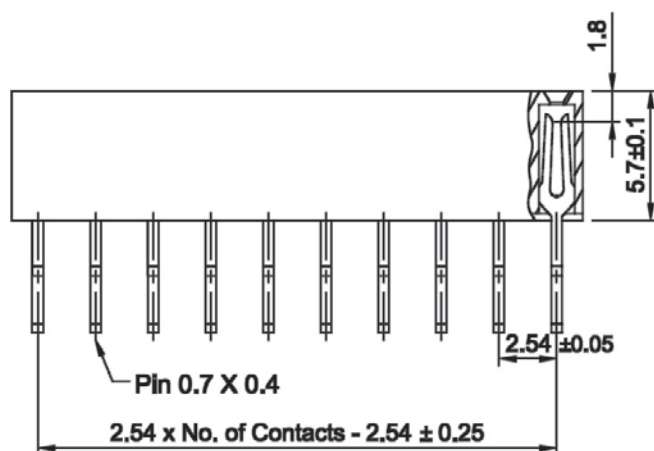
**Contact Plating:** Gold / Tin over Nickel

**Insulator:** Glass Filled Polyester (UL 94V-0)  
P.B.T. & Nylon-6T

\* RoHS & REACH compliant.



Recommended P.C.Board Layout



### ORDERING INFORMATION:

P/N 2 5 4 FK - xxxx B / xx

1                    2                    3                    4

1. CONTACT TYPE:  
"FK" DOUBLE ROW R/A TYPE
2. NO. OF CONTACTS:  
004~080
3. CONTACT FINISH:  
"G" FULL GOLD PLATED  
"S" SELECTIVE GOLD PLATED  
"T" FULL TIN PLATED

4. INSULATOR MATERIAL:  
" " PBT  
"6T" NYLON 6T

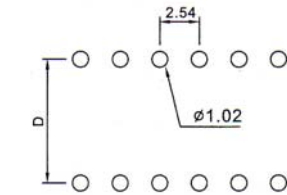
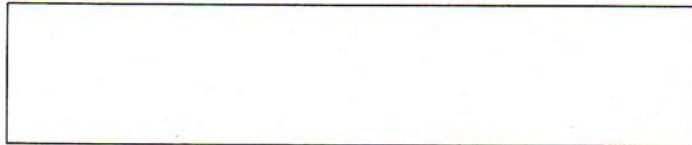
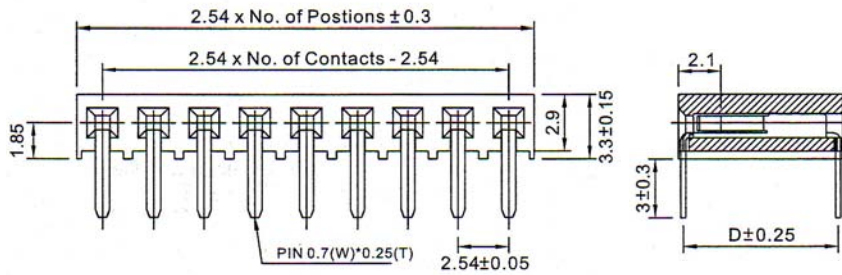
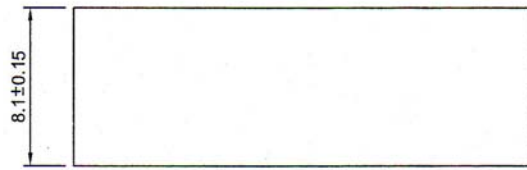
## 2.54MM(0.100") FEMALE HEADER SIDE ENTRY DIP TYPE

### SPECIFICATIONS

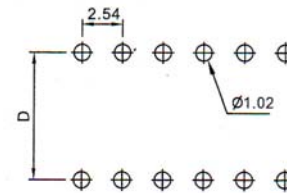
**Current Rating:** 3 Amp  
**Insulation Resistance:** 1000MΩ Min  
**Dielectric Withstanding:** 600V AC/DC  
**Contact Resistance:** 20mΩ Max.  
**Operating Temperature:** -40°C to +105°C

### MATERIALS

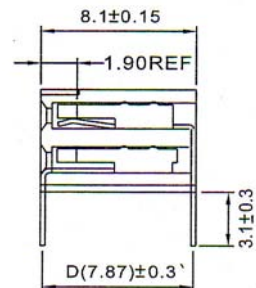
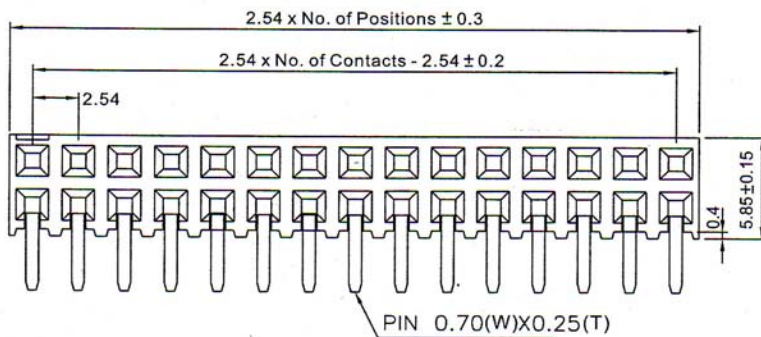
**Contact Material:** Phosphor Bronze  
**Insulation Material:** Polyester, UL 94V-0  
 P.B.T or Nylon 6T  
**Contact Plating:** Full Gold, Full Tin, Selective Plated  
**Standard:** Gold Flash all Over Nickel  
**All materials must be RoHS compliant.**



Recommended P.C.Board Layout



Recommended P.C.Board Layout



### ORDERING INFORMATION:

P/N 2 5 4  $\frac{XX}{1}$  -  $\frac{XXX}{2}$   $\frac{X}{3}$  B /  $\frac{XX}{4}$

- CONNECTOR TYPE:  
 "FS" SINGLE ROW 7.87MM DIP TYPE  
 "ZC" SINGLE ROW 7.62MM DIP TYPE  
 "FT" DOUBLE ROW 7.87MM DIP TYPE  
 "ZD" DOUBLE ROW 7.62MM DIP TYPE
- NO. OF CONTACTS:  
 002 ~ 040 FOR SINGLE ROW  
 004 ~ 080 FOR DOUBLE ROW
- CONTACT FINISH:  
 "G" FULL GOLD PLATED  
 "S" SELECTIVE GOLD PLATED  
 "T" FULL TIN PLATED
- INSULATOR MATERIAL:  
 " " PBT  
 "6T" NYLON 6T

## 2.54MM(0.100") FEMALE HEADER DOUBLE ROW SIDE ENTRY DIP TYPE

### SPECIFICATIONS

**Rating Current:** 3 Amperes Max

**Insulation Resistance:** 1000MΩ Min.

**Dielectric Withstanding:** 1000V AC

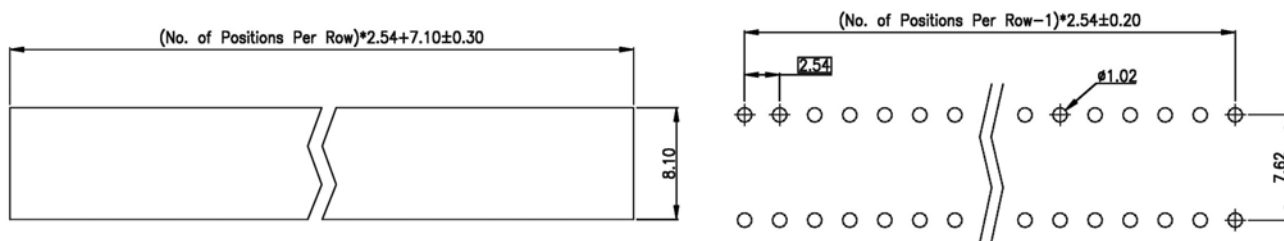
**Operating Temperature:** -55°C to +105°C

### MATERIALS

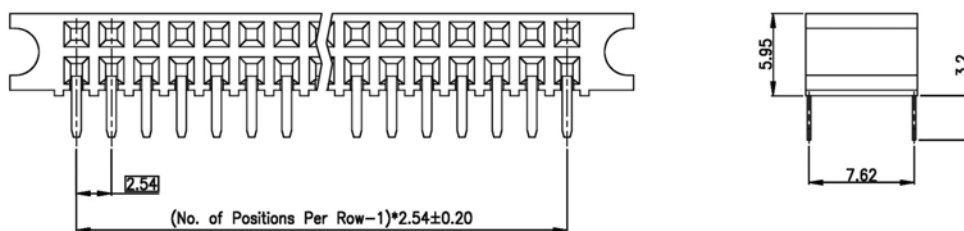
**Housing:** Thermoplastic (UL 94V-0), Black

**Terminal:** Sq. 0.64mm Copper Alloy, Gold Plating

\* RoHS & REACH compliant.



Recommended P.C.Board Layout

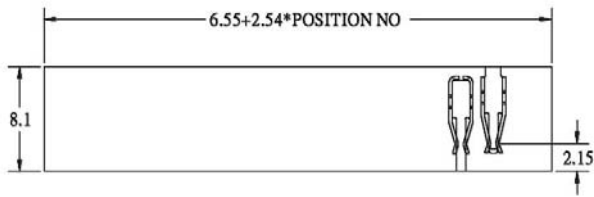


### ORDERING INFORMATION:

P/N 2 5 H 5 8 - x x x G B

1. CONTACT TYPE:  
"H58" SIDE ENTRY TYPE
2. NO. OF CONTACTS:  
004~080
3. CONTACT FINISH:  
"G" FULL GOLD PLATED

**2.54MM(0.100") FEMALE HEADER WITH GUIDE SLOT SIDE ENTRY TYPE  
PROFILE=6.05MM**

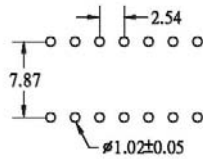
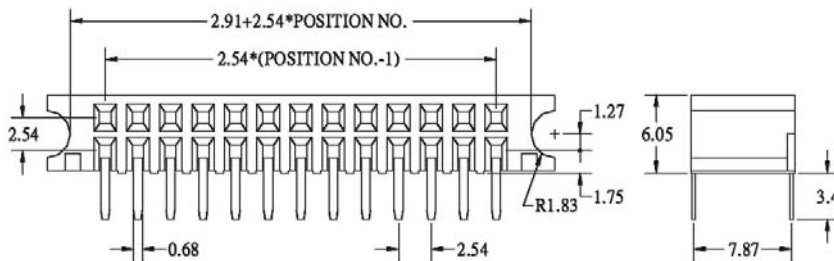


**SPECIFICATIONS**

- Current Rating: 1 Amp
- Contact Resistance: 30mΩ Max.
- Insulator Resistance: 3000 MΩ Min.
- Dielectric Withstand: 500V AC For 1 Min.
- Operating Temperature: -40°C to +105°C

**MATERIALS**

- Insulator: LCP, Glass Reinforced, UL94V-0
- Contacts: Phosphor Bronze
- All materials must be RoHS compliant.



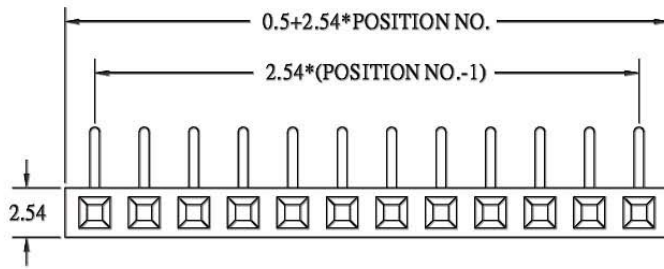
Recommended P.C.Board Layout

**ORDERING INFORMATION:**

**P/N 2 5 K 0 7 - x x x x B**  
                   1          2          3

1. CONTACT TYPE:  
"K07" SIDE ENTRY DIP TYPE
2. NO. OF CONTACTS:  
004 ~ 100
3. CONTACT FINISH:  
"G" FULL GOLD PLATED

**2.54MM(0.100") FEMALE HEADER SINGLE ROW RIGHT ANGLE DIP TYPE  
PROFILE=7.00MM**

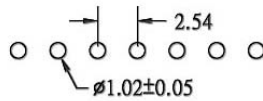
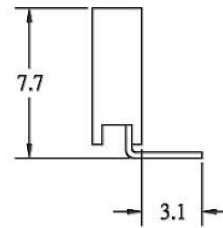
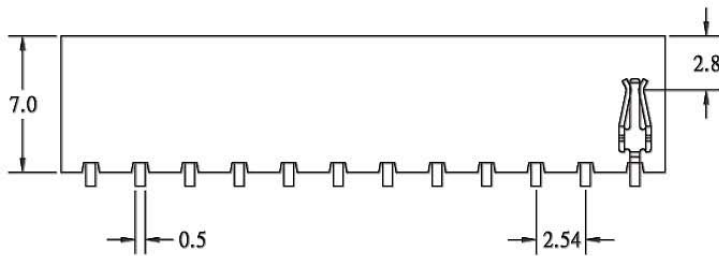


**SPECIFICATIONS**

**Current Rating:** 1 Amp  
**Contact Resistance:** 30mΩ Max.  
**Insulator Resistance:** 3000 MΩ Min.  
**Dielectric Withstand:** 500V AC For 1 Min.  
**Operating Temperature:** -40°C to +105°C

**MATERIALS**

**Insulator:** PBT, Glass Reinforced, UL94V-0  
**Contacts:** Phosphor Bronze  
**All materials must be RoHS compliant.**



**Recommended P.C.Board Layout**

**ORDERING INFORMATION:**

**P/N 2 5 K 1 1 - x x x x B**  
                   1                  2                  3

1. CONTACT TYPE:  
"K11" RIGHT ANGLE DIP TYPE
2. NO. OF CONTACTS:  
002 ~ 040
3. CONTACT FINISH:  
"G" FULL GOLD PLATED



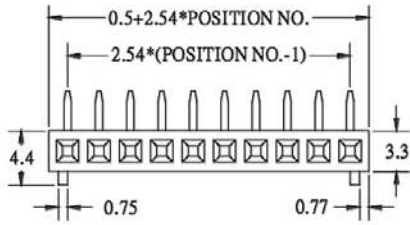
**2.54MM(0.100") FEMALE HEADER SINGLE ROW RIGHT ANGLE DIP TYPE  
PROFILE=8.40MM**

**SPECIFICATIONS**

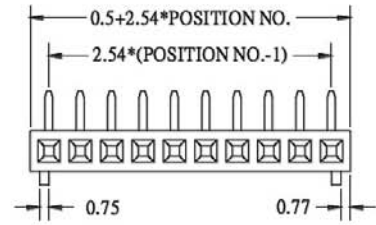
- Current Rating: 1 Amp
- Contact Resistance: 30mΩ Max.
- Insulator Resistance: 3000 MΩ Min.
- Dielectric Withstand: 500V AC For 1 Min.
- Operating Temperature: -40°C to +105°C

**MATERIALS**

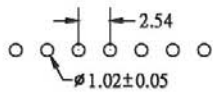
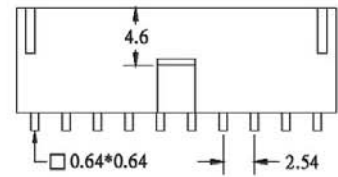
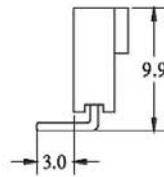
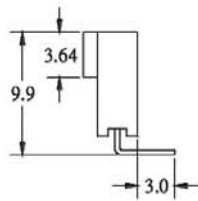
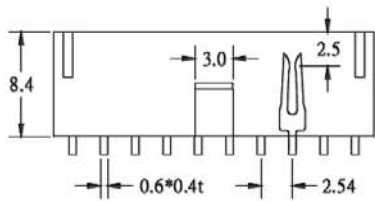
- Insulator: PBT, Glass Reinforced, UL94V-0
- Contacts: Phosphor Bronze
- All materials must be RoHS compliant.



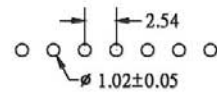
**TYPE A**



**TYPE B**



**Recommended P.C.Board Layout**



**Recommended P.C.Board Layout**

**ORDERING INFORMATION:**

**P/N 25 xxx - xxx x B**  
 1                      2                      3

1. CONTACT TYPE:  
 "K15" TYPE A (0.60 x 0.40MM)  
 "K16" TYPE B (0.64 x 0.64MM)
2. NO. OF CONTACTS:  
 004 ~ 024
3. CONTACT FINISH:  
 "G" FULL GOLD PLATED

# 2.54MM(0.100") FEMALE HEADER WITH POLARIZATION BUMP RIGHT ANGLE TYPE PROFILE=8.40MM

## SPECIFICATIONS

**Current Rating:** 1 Amp

**Contact Resistance:** 30mΩ Max.

**Insulator Resistance:** 3000 MΩ Min.

**Dielectric Withstand:** 500V AC For 1 Min.

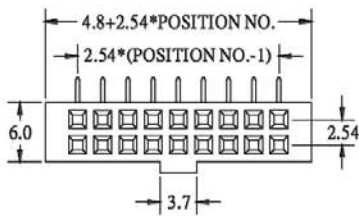
**Operating Temperature:** -40°C to +105°C

## MATERIALS

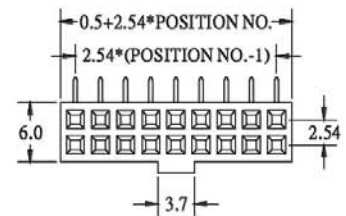
**Insulator:** PBT, Glass Reinforced, UL94V-0

**Contacts:** Brass

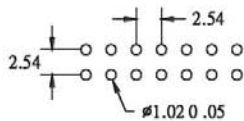
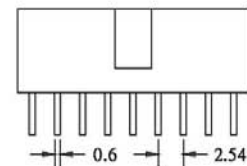
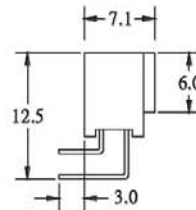
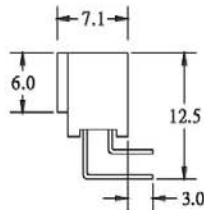
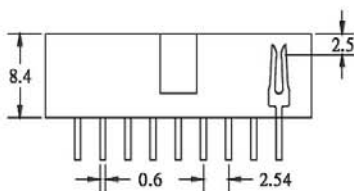
All materials must be RoHS compliant.



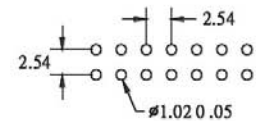
TYPE A



TYPE B



Recommended P.C.Board Layout



Recommended P.C.Board Layout

## ORDERING INFORMATION:

P/N 25 xxx - xxx x B  
1 2 3

### 1. CONTACT TYPE:

"K17" TYPE A

"K18" TYPE B

### 2. NO. OF CONTACTS:

006, 008, 010, 012, 014, 016, 020, 024,

026, 030, 034, 040, 044, 050, 060, 064

### 3. CONTACT FINISH:

"G" FULL GOLD PLATED

## 2.54MM(0.100") FEMALE HEADER SINGLE ROW RIGHT ANGLE DIP TYPE PROFILE=8.50MM

### SPECIFICATIONS

**Rating Current:** 3 Amperes

**Insulation Resistance:** 1000MΩ Min.

**Dielectric Withstanding:** 600V AC

**Contact Resistance:** 20mΩ Max.

**Operating Temperature:** -40°C to +105°C

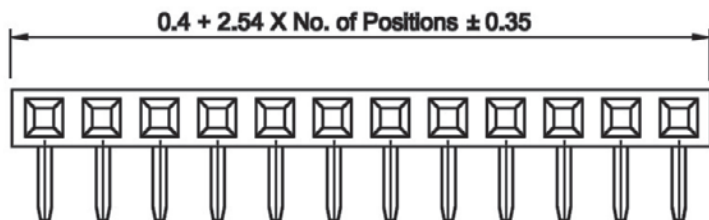
### MATERIALS

**Contact Material:** Brass

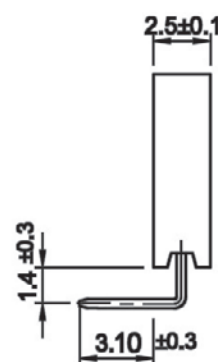
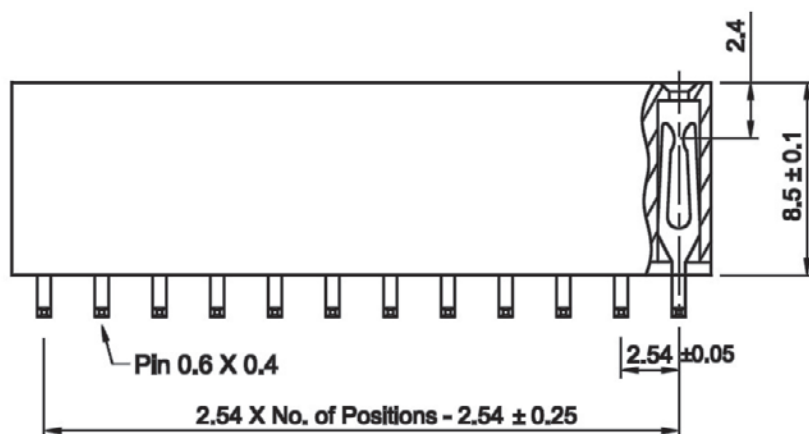
**Contact Plating:** Gold / Tin over Nickel

**Insulator:** Glass Filled Polyester (UL 94V-0)  
P.B.T. & Nylon-6T

\* RoHS & REACH compliant.



Recommended P.C.Board Layout



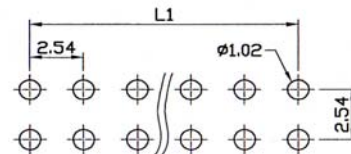
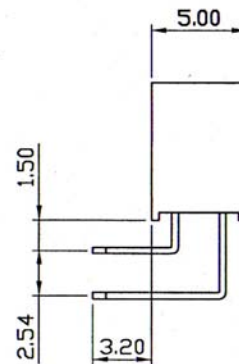
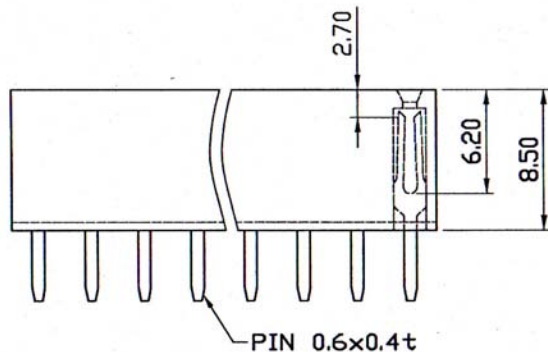
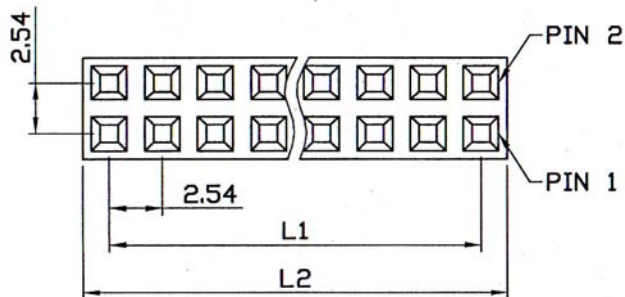
### ORDERING INFORMATION:

P/N 2 5 4 FD - x x x x B / x x

1. CONTACT TYPE OPTION:  
"FD" SINGLE ROW R/A TYPE
2. NO. OF CONTACTS:  
002~040
3. CONTACT FINISH:  
"G" FULL GOLD PLATED  
"S" SELECTIVE GOLD PLATED  
"T" FULL TIN PLATED

4. INSULATOR MATERIAL:  
" " PBT  
"6T" NYLON 6T

## 2.54MM(0.100") FEMALE HEADER DOUBLE ROW DIP TYPE PROFILE=8.50MM



Recommended P.C.Board Layout

### DIMENSIONS:

$L1 = 2.54 \times (\text{No. of Contacts}-1)$

$L2 = 0.5 + 2.54 \times \text{No. of Positions}$

### ORDERING INFORMATION:

P/N 254  $\frac{1}{1}$  -  $\frac{2}{2}$   $\frac{3}{3}$  B /  $\frac{4}{4}$

#### 1. TERMINAL TYPE:

"FE" RIGHT ANGLE TYPE

#### 2. NO. OF CONTACTS:

004 ~ 080

#### 3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

"T" FULL TIN PLATED

#### 4. INSULATOR MATERIAL:

" " PBT

"6T" NYLON 6T

## 2.54MM(0.100") FEMALE HEADER WITH POLARIZATION BUMP R/A DIP TYPE PROFILE=8.50MM

### SPECIFICATIONS

**Rating Current:** 3 Amperes

**Insulation Resistance:** 1000MΩ Min.

**Dielectric Withstanding:** 600V AC

**Contact Resistance:** 20mΩ Max.

**Operating Temperature:** -40°C to +105°C

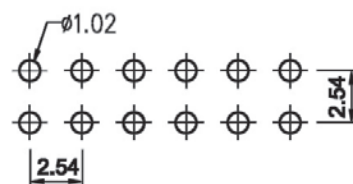
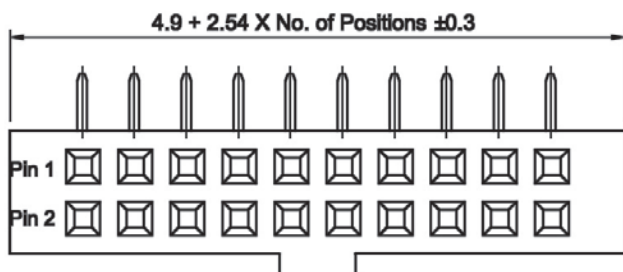
### MATERIALS

**Contact Material:** Brass

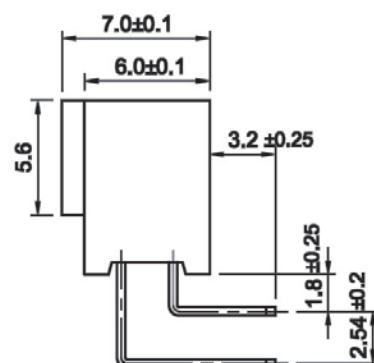
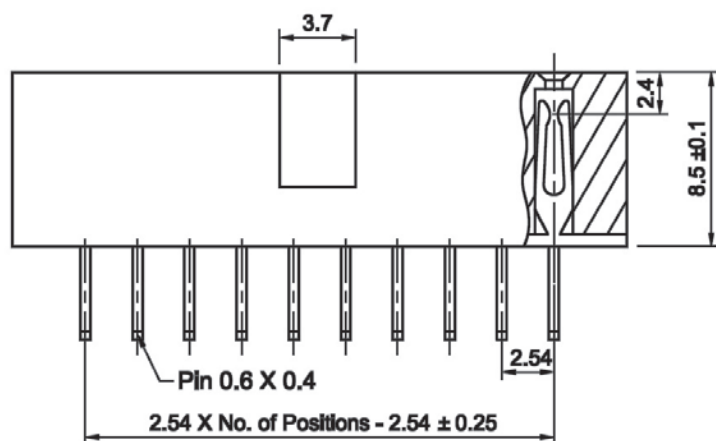
**Contact Plating:** Gold / Tin over Nickel

**Insulator:** Glass Filled Polyester (UL 94V-0)  
P.B.T. & Nylon-6T

\* RoHS & REACH compliant.



Recommended P.C.Board Layout



### ORDERING INFORMATION:

P/N **2 5 4 B B** -  $\frac{x}{1} \frac{x}{2} \frac{x}{3} \frac{x}{4}$  B /  $\frac{x}{x}$

1. PCB LAYOUT TYPE:

"BB" DOUBLE ROW R/A TYPE

2. NO. OF CONTACTS:

004~080

3. CONTACT FINISH:

"G" FULL GOLD PLATED

"S" SELECTIVE GOLD PLATED

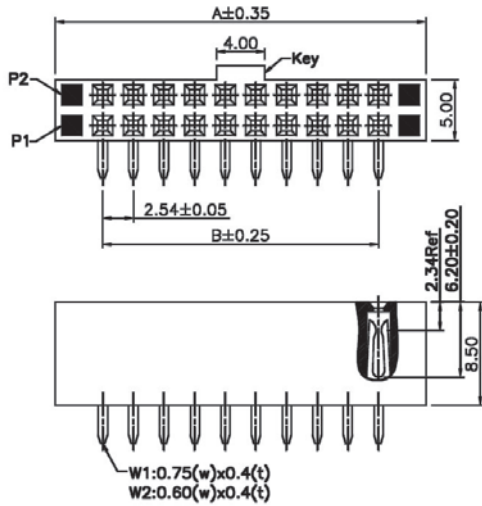
"T" FULL TIN PLATED

4. INSULATOR MATERIAL:

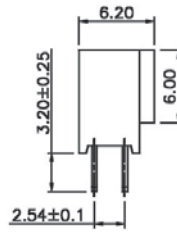
" " PBT

"6T" NYLON 6T

# 2.54MM(0.100") FEMALE HEADER DOUBLE ROW WITH POLARIZATION BUMP PROFILE=8.50MM



**25H51**

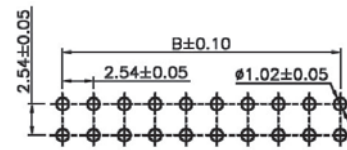


## SPECIFICATIONS

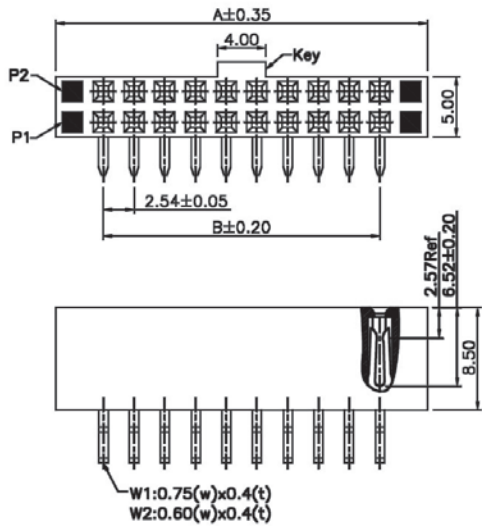
- Current Rating: 3.0 A
- Voltage Rating: 250V AC/DC
- Contact Resistance: 20mΩ Max.
- Insulator Resistance: 5000MΩ Min.
- Withstanding Voltage: 500V AC/Min.
- Operating Temperature: -40°C to +105°C

## MATERIALS

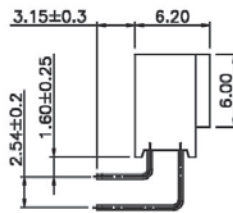
- Insulator: PBT or NY6T UL94V-0, Black
- Contact: Phosphor Bronze
- All materials must be RoHS compliant.



Recommended P.C.Board Layout



**25H52**



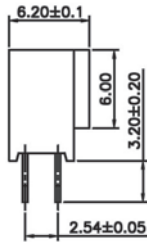
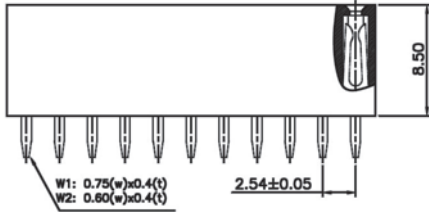
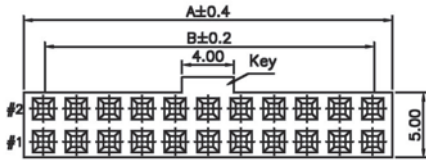
NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
10	18.28	10.16
14	23.36	15.24
16	25.90	17.78
20	30.98	22.86
26	38.60	30.48
30	43.68	35.56
34	48.76	40.64
40	56.38	48.26
50	69.08	60.96
64	86.86	78.74

## ORDERING INFORMATION:

P/N 25  $\frac{1}{x x x}$  -  $\frac{2}{x x x}$   $\frac{3}{x}$  B /  $\frac{4}{x x}$

1. CONTACT TYPE:  
 "H51" STRAIGHT DIP TYPE  
 "H52" RIGHT ANGLE DIP TYPE
2. NO. OF CONTACTS:  
 010, 014, 016, 020, 026,  
 030, 034, 040, 050, 064
3. CONTACT FINISH:  
 "G" FULL GOLD PLATED  
 "S" SELECTIVE GOLD PLATED  
 "T" FULL TIN PLATED
4. INSULATOR MATERIAL:  
 " " PBT  
 "6T" NYLON-6T

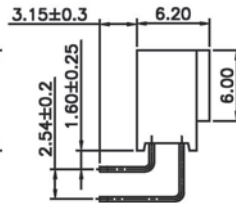
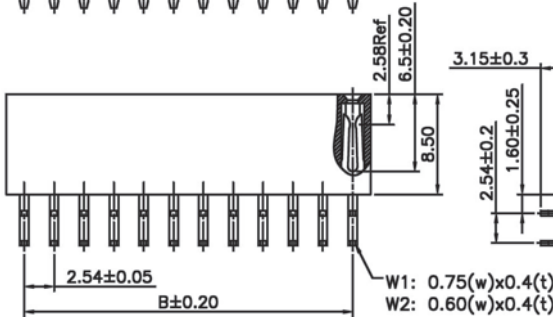
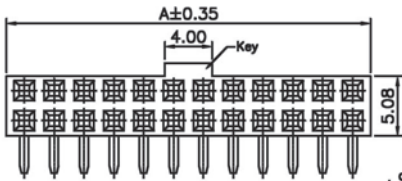
# 2.54MM(0.100") FEMALE HEADER DOUBLE ROW WITH POLARIZATION BUMP PROFILE=8.50MM



**25K79**

$A = B + 2.54$

$B = 2.54 \times (\text{NO. OF CONTACTS / ROW} - 1)$



**25K80**

$A = B + 2.54$

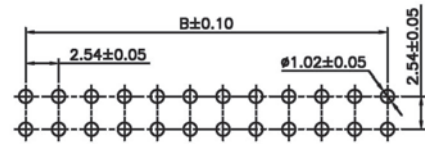
$B = 2.54 \times (\text{NO. OF CONTACTS / ROW} - 1)$

## SPECIFICATIONS

- Current Rating: 3.0 A
- Voltage Rating: 250V AC/DC
- Contact Resistance: 20mΩ Max.
- Insulator Resistance: 1000MΩ Min.
- Withstanding Voltage: 500V AC/Min.
- Operating Temperature: -40°C to +105°C

## MATERIALS

- Insulator: PBT UL94V-0, Black
- Contact: Brass
- All materials must be RoHS compliant.



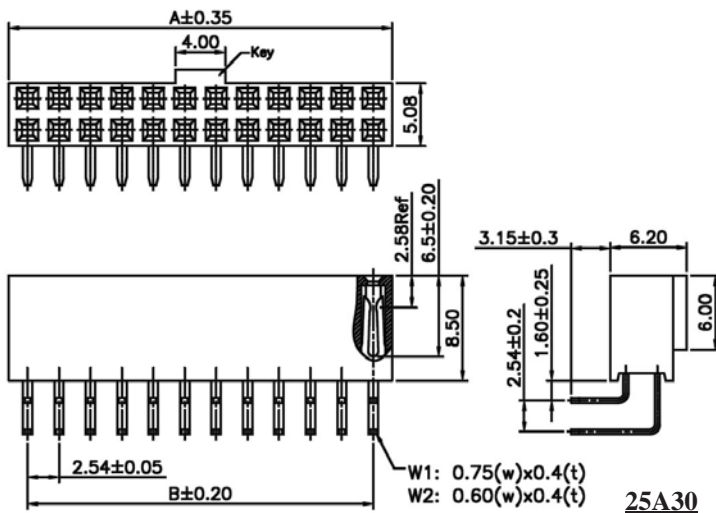
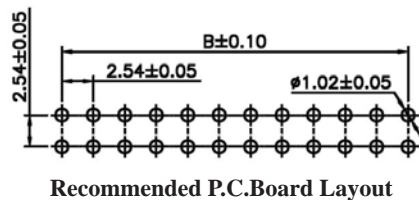
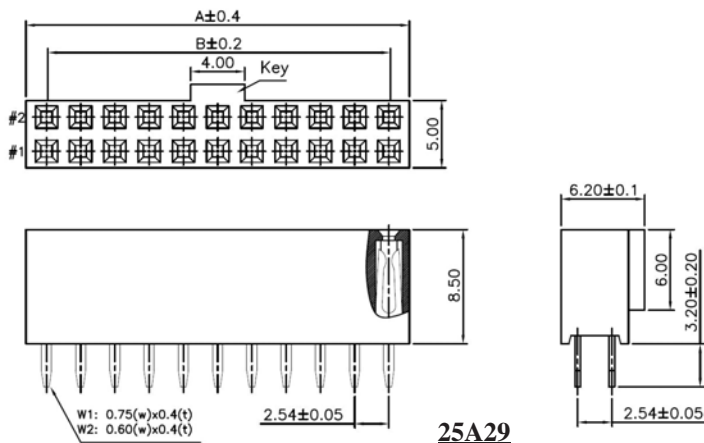
Recommended P.C.Board Layout

## ORDERING INFORMATION:

P/N  $25 \frac{1}{x} \frac{2}{x} \frac{3}{x} B - \frac{4}{x}$

- CONTACT TYPE:  
"K79" STRAIGHT DIP TYPE  
"K80" RIGHT ANGLE DIP TYPE
- NO. OF CONTACTS:  
006 ~ 064 FOR STRAIGHT DIP TYPE  
010 ~ 050 FOR RIGHT ANGLE DIP TYPE
- CONTACT FINISH:  
"G" FULL GOLD PLATED  
"S" SELECTIVE GOLD PLATED  
"T" FULL TIN PLATED
- PACKAGE OPTION:  
"T" W/O PAD IN TUBE  
"O" IN TRAY

## 2.54MM(0.100") FEMALE HEADER WITH POLARIZATION BUMP PROFILE=8.50MM



### SPECIFICATIONS

Current Rating: 3 Amp  
 Insulation Resistance: 1000MΩ Min  
 Dielectric Withstanding: 500V AC/DC  
 Contact Resistance: 20mΩ Max.  
 Operating Temperature: -40°C to +105°C

### MATERIALS

Contact Material: Brass  
 Insulation Material: Polyester, UL 94V-0  
 P.B.T or Nylon-6T  
 All materials must be RoHS compliant.

NO. OF CONTACTS	DIMENSIONS(MM)	
	A	B
6	8.12	5.08
8	10.66	7.62
10	13.20	10.16
12	15.74	12.70
14	18.28	15.24
16	20.82	17.78
18	23.36	20.32
20	25.90	22.86
22	28.44	25.40
24	30.98	27.94
26	33.52	30.48
28	36.06	33.02
30	38.60	35.56
32	41.14	38.10
34	43.68	40.64
36	46.22	43.18
38	48.76	45.72
40	51.30	48.26
42	53.84	50.80
44	56.38	53.34
46	58.92	55.88
48	61.46	58.42
50	64.00	60.96
52	66.54	63.50
54	69.08	66.04
56	71.62	68.58
58	74.16	71.12
60	76.70	73.66
62	79.24	76.20
64	81.78	78.74

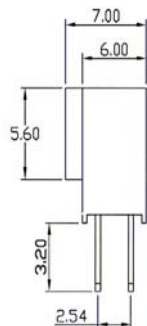
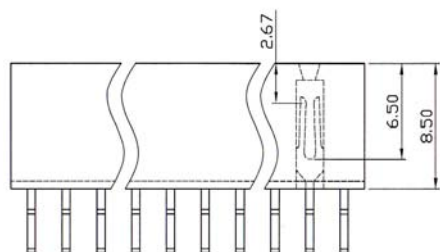
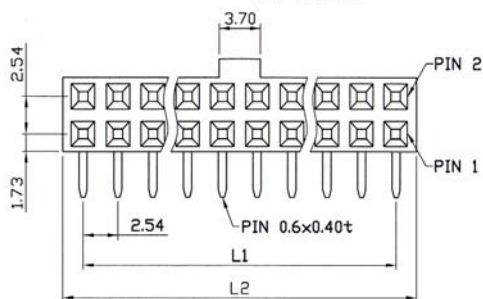
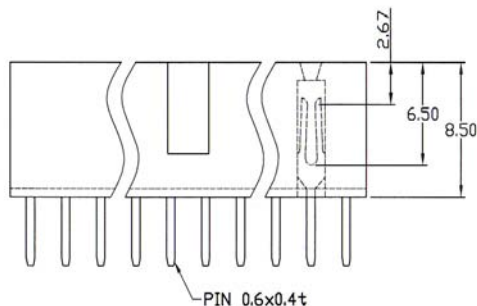
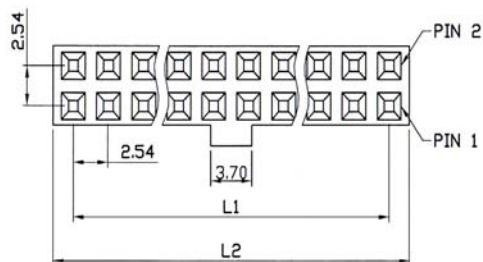
### ORDERING INFORMATION:

P/N 25  $\frac{A}{1} \frac{xx}{2} \frac{xx}{3} \frac{B}{4} / \frac{xx}{4}$

- TERMINAL TYPE:  
 "A29" STRAIGHT TYPE  
 "A30" RIGHT ANGLE TYPE
- NO. OF CONTACTS:  
 004 ~ 080
- CONTACT FINISH:  
 "G" FULL GOLD PLATED  
 "S" SELECTIVE GOLD PLATED  
 "T" FULL TIN PLATED
- INSULATOR MATERIAL:  
 " " PBT  
 "6T" NYLON 6T



## 2.54MM(0.100") FEMALE HEADER WITH POLARIZATION BUMP PROFILE=8.50MM



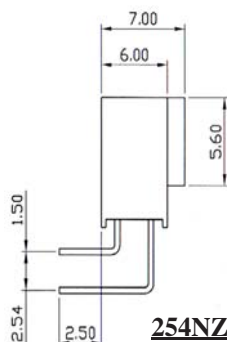
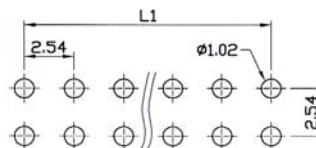
**254NY**

### SPECIFICATIONS

**Current Rating:** 3 Amp  
**Insulation Resistance:** 1000MΩ Min  
**Dielectric Withstanding:** 600V AC/DC  
**Contact Resistance:** 20mΩ Max.  
**Operating Temperature:** -40°C to +105°C

### MATERIALS

**Contact Material:** Phosphor Bronze  
**Insulation Material:** Polyester, UL 94V-0  
 P.B.T or Nylon-6T  
**Contact Plating:** Full Gold, Full Tin, Selective Plated  
**Standard:** Gold Flash all Over Nickel  
**All materials must be RoHS compliant.**



**254NZ**

### DIMENSIONS:

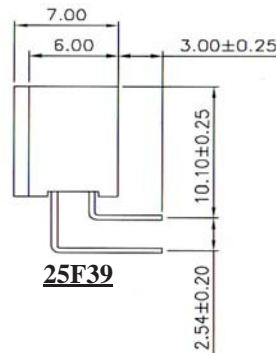
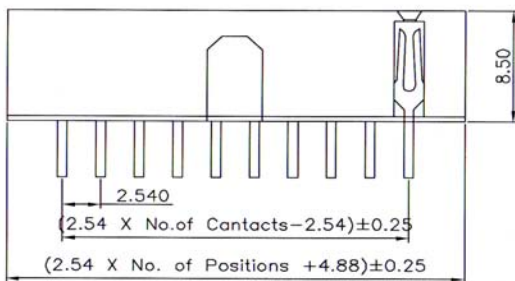
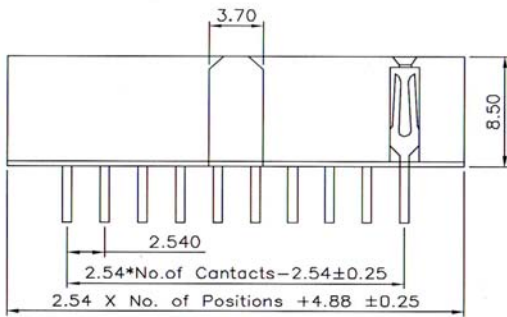
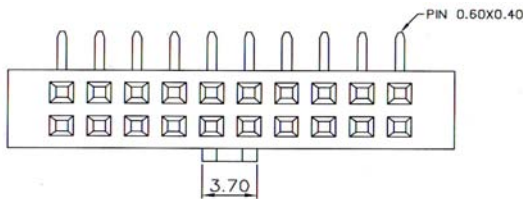
$L1 = 2.54 \times (\text{No. of Contacts}-1)$   
 $L2 = 0.5 + 2.54 \times \text{No. of Positions}$

### ORDERING INFORMATION:

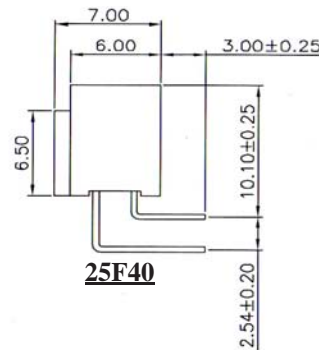
**P/N 2 5 4  $\frac{XX}{1}$  -  $\frac{XXX}{2}$   $\frac{X}{3}$  B /  $\frac{XX}{4}$**

- |   |   |
|---|---|
| <p>1. TERMINAL TYPE:<br/>             "NY" STRAIGHT TYPE<br/>             "NZ" RIGHT ANGLE TYPE</p> <p>2. NO. OF CONTACTS:<br/>             004 ~ 080</p> <p>3. CONTACT FINISH:<br/>             "G" FULL GOLD PLATED<br/>             "S" SELECTIVE GOLD PLATED<br/>             "T" FULL TIN PLATED</p> | <p>4. INSULATOR MATERIAL:<br/>             " " PBT<br/>             "6T" NYLON 6T</p> |
|---|---|

## 2.54MM(0.100") FEMALE HEADER WITH POLARIZATION BUMP PROFILE=8.50MM



**25F39**



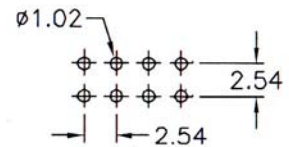
**25F40**

### SPECIFICATIONS

**Current Rating:** 3.0 Amp  
**Dielectric Withstanding:** 600V AC  
**Insulation Resistance:** 1000MΩ Min  
**Contact Resistance:** 20mΩ Max.  
**Operating Temperature:** -40°C to + 105°C

### MATERIALS

**Insulation Material:** UL 94V-0  
 P.B.T or Nylon-6T  
**Contact Material:** Phosphor Bronze  
**All materials must be RoHS compliant.**



**Recommended P.C.Board Layout**

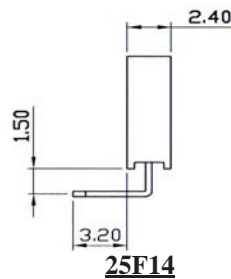
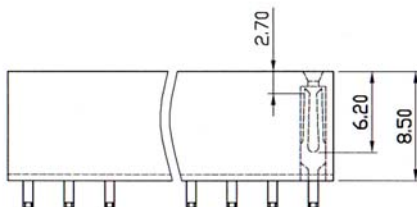
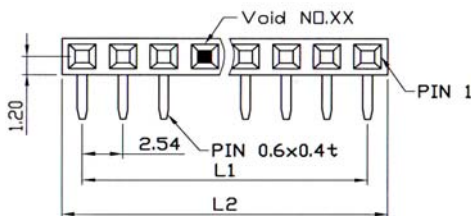
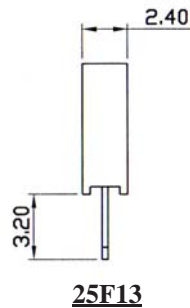
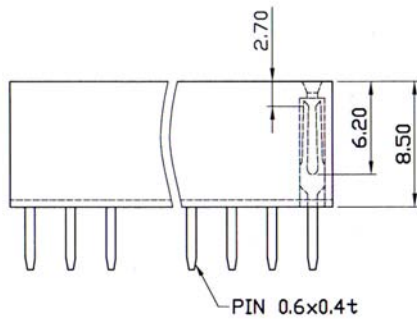
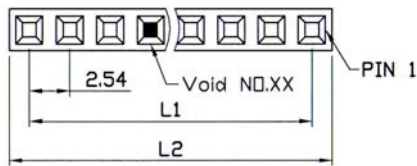
### ORDERING INFORMATION:

P/N 25 Fxx - xxxx B / xx

1. POLARIZATION BUMP DIMENSION:  
 "F39" 3.70/8.50MM  
 "F40" 3.70/6.50MM
2. NO. OF CONTACTS:  
 006 ~ 072
3. CONTACT FINISH:  
 "G" FULL GOLD PLATED  
 "S" SELECTIVE GOLD PLATED  
 "T" FULL TIN PLATED

4. INSULATOR MATERIAL:  
 " " PBT  
 "6T" Nylon 6T

## 2.54MM(0.100") FEMALE HEADER WITH VOID POSITION PROFILE=8.50MM

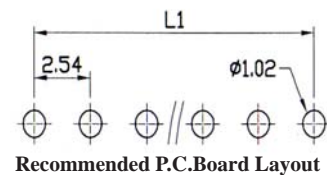


### SPECIFICATIONS

**Current Rating:** 3 Amp  
**Insulation Resistance:** 1000MΩ Min  
**Dielectric Withstanding:** 600V AC/DC  
**Contact Resistance:** 20mΩ Max.  
**Operating Temperature:** -40°C to +105°C

### MATERIALS

**Contact Material:** Phosphor Bronze  
**Insulation Material:** Polyester, UL 94V-0  
 P.B.T or Nylon-6T  
**Contact Plating:** Full Gold, Full Tin, Selective Plated  
**Standard:** Gold Flash all Over Nickel  
**All materials must be RoHS compliant.**



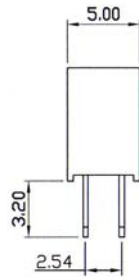
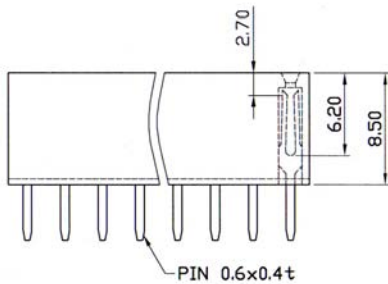
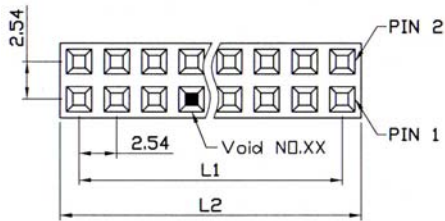
**DIMENSIONS:**  
 $L1 = 2.54 \times (\text{No. of Contacts} - 1)$   
 $L2 = 0.5 + 2.54 \times \text{No. of Positions}$

### ORDERING INFORMATION:

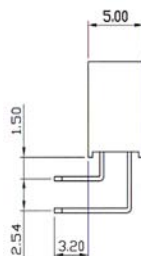
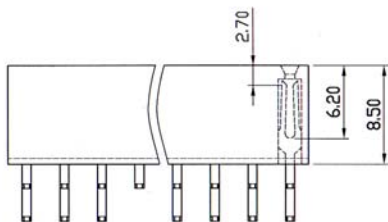
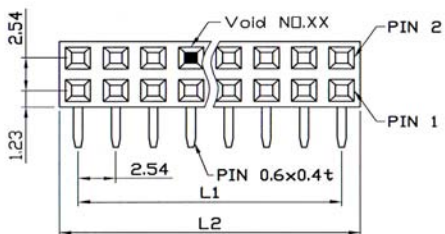
P/N 25  $\frac{F_{xx}}{1} - \frac{xxx}{2} \frac{x}{3} B / \frac{xx}{4} - \frac{xx}{5}$

1. TERMINAL TYPE:  
 "F13" STRAIGHT TYPE  
 "F14" RIGHT ANGLE TYPE
2. NO. OF CONTACTS:  
 002 ~ 040
3. CONTACT FINISH:  
 "G" FULL GOLD PLATED  
 "S" SELECTIVE GOLD PLATED  
 "T" FULL TIN PLATED
4. VOID PIN POSITION:  
 02 ~ 40
5. INSULATOR MATERIAL:  
 " " PBT  
 "6T" NYLON 6T

## 2.54MM(0.100") FEMALE HEADER WITH VOID POSITION PROFILE=8.50MM



**25F15**



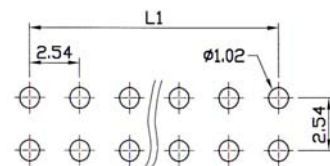
**25F16**

### SPECIFICATIONS

**Current Rating:** 3 Amp  
**Insulation Resistance:** 1000MΩ Min  
**Dielectric Withstanding:** 600V AC/DC  
**Contact Resistance:** 20mΩ Max.  
**Operating Temperature:** -40°C to +105°C

### MATERIALS

**Contact Material:** Phosphor Bronze  
**Insulation Material:** Polyester, UL 94V-0  
 P.B.T or Nylon-6T  
**Contact Plating:** Full Gold, Full Tin, Selective Plated  
**Standard:** Gold Flash all Over Nickel  
**All materials must be RoHS compliant.**



**Recommended P.C.Board Layout**

### DIMENSIONS:

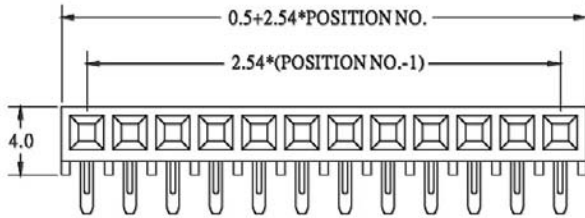
$L1 = 2.54 \times (\text{No. of Contacts}-1)$   
 $L2 = 0.5 + 2.54 \times \text{No. of Positions}$

### ORDERING INFORMATION:

**P/N 25  $\frac{F_{xx}}{1} - \frac{xxx}{2} \frac{x}{3} B / \frac{xx}{4} - \frac{xx}{5}$**

- |   |   |
|---|---|
| <p>1. TERMINAL TYPE:<br/>             "F15" STRAIGHT TYPE<br/>             "F16" RIGHT ANGLE TYPE</p> <p>2. NO. OF CONTACTS:<br/>             004 ~ 080</p> <p>3. CONTACT FINISH:<br/>             "G" FULL GOLD PLATED<br/>             "S" SELECTIVE GOLD PLATED<br/>             "T" FULL TIN PLATED</p> | <p>4. INSULATOR MATERIAL:<br/>             " " PBT<br/>             "6T" NYLON 6T</p> <p>5. VOID PIN POSITION:<br/>             04 ~ 80</p> |
|---|---|

**2.54MM(0.100") FEMALE HEADER MULTI-MATING RIGHT ANGLE TYPE  
PROFILE=8.60MM**

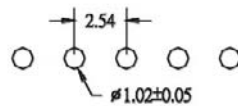
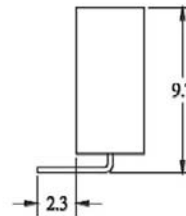
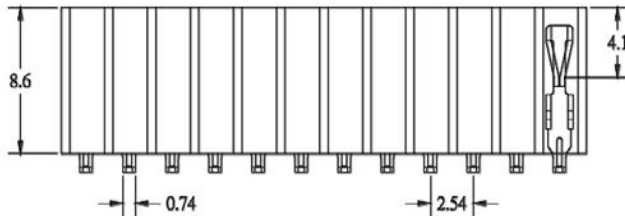


**SPECIFICATIONS**

- Current Rating: 1 Amp
- Contact Resistance: 30mΩ Max.
- Insulator Resistance: 3000 MΩ Min.
- Dielectric Withstand: 500V AC For 1 Min.
- Operating Temperature: -40°c to +105°c

**MATERIALS**

- Insulator: PBT, Glass Reinforced, UL94V-0
- Contacts: Brass
- All materials must be RoHS compliant.



Recommended P.C.Board Layout

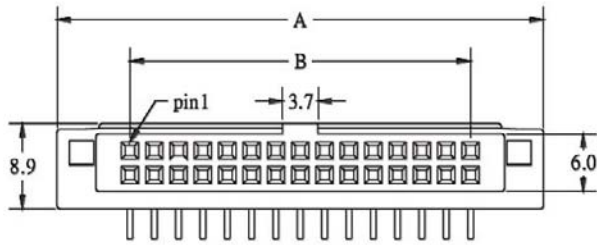
**ORDERING INFORMATION:**

**P/N 2 5 4 H Z - x x x x B**  
                                   1                  2                  3

1. CONTACT TYPE:  
"HZ" SINGLE ROW RIGHT ANGLE TYPE
2. NO. OF CONTACTS:  
002 ~ 040
3. CONTACT FINISH:  
"G" FULL GOLD PLATED

NOTE: MATING WITH 25K66, 25K67 & 25K68

**2.54MM(0.100") FEMALE HEADER WITH POLARIZATION CENTER BUMP  
RIGHT ANGLE DIP TYPE PROFILE=14.60MM**

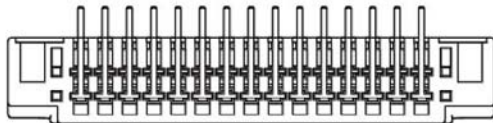
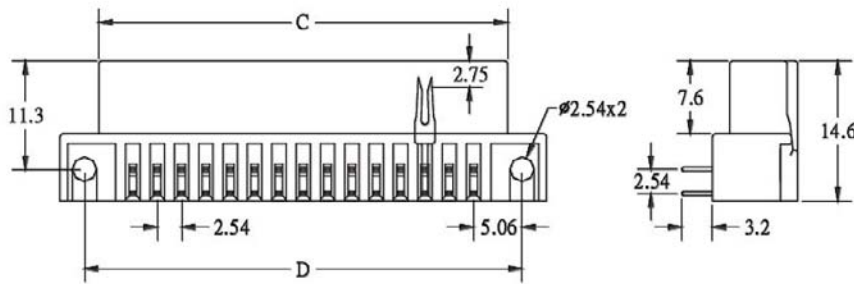


**SPECIFICATIONS**

**Current Rating:** 1 Amp  
**Contact Resistance:** 30mΩ Max.  
**Insulator Resistance:** 3000 MΩ Min.  
**Dielectric Withstand:** 500V AC For 1 Min.  
**Operating Temperature:** -40°C to +105°C

**MATERIALS**

**Insulator:** PBT, Glass Reinforced, UL94V-0  
**Contacts:** Brass  
**All materials must be RoHS compliant.**



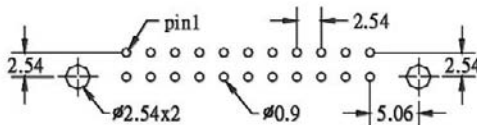
$$A = B + 15.22$$

$$B = 2.54 \times (\text{POSITIONS}/2 - 1)$$

$$C = B + 4.58 \text{ (FOR 6P ~ 20P)}$$

$$C = B + 7.12 \text{ (FOR 24P ~ 64P)}$$

$$D = B + 10.12$$



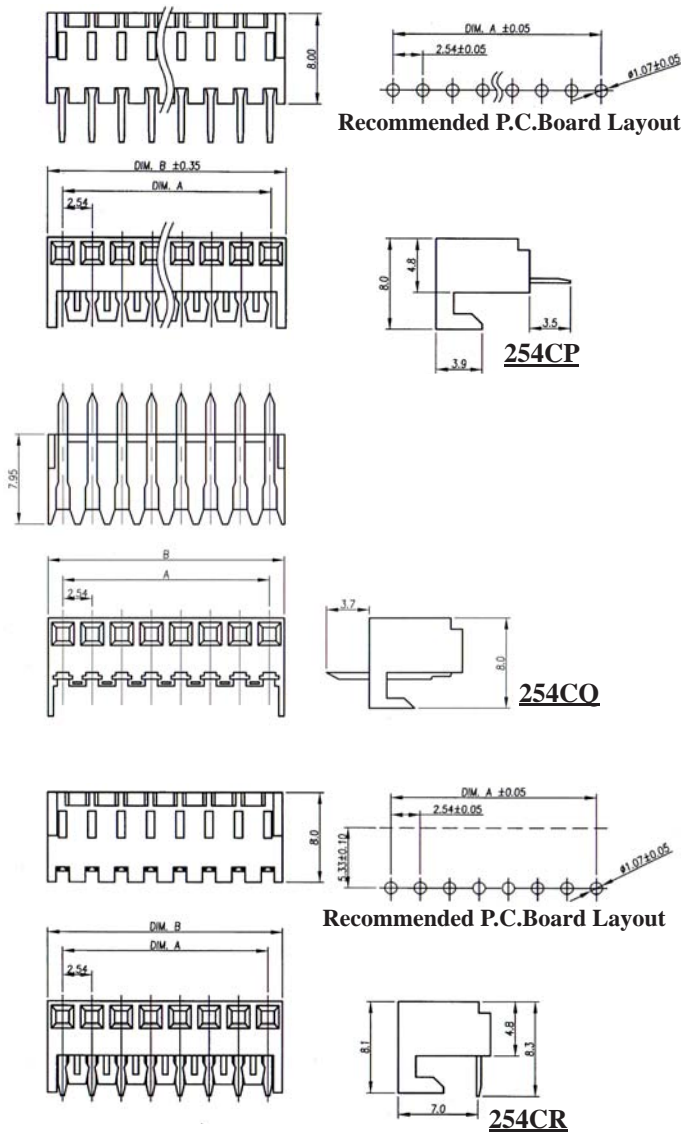
**Recommended P.C.Board Layout**

**ORDERING INFORMATION:**

**P/N 25 K 65 -  $\frac{x}{1} \frac{x}{2} \frac{x}{3} B$**

1. CONTACT TYPE:  
"K65" RIGHT ANGLE WITH POLARIZED CENTER BUMP
2. NO. OF CONTACTS:  
006, 008, 010, 012, 014, 016, 020, 024,  
026, 030, 034, 040, 044, 050, 060, 064
3. CONTACT FINISH:  
"G" FULL GOLD PLATED

## 2.54MM(0.100") P.C.B. SOCKET



### SPECIFICATIONS

**Current Rating:** 2.5 Amp

**Insulation Resistance:** 500MΩ Min

**Dielectric Withstanding:** 1500V AC

**Contact Resistance:** 20mΩ Max.

**Operating Temperature:** 0°C to +75°C

### MATERIALS

**Insulation Material:** UL 94V-2

Nylon 66

**Contact Material:** Brass

**All materials must be RoHS compliant.**

No. of Contacts	Dimensions(mm)		No. of Contacts	Dimensions(mm)	
	A	B		A	B
02	2.54	5.10	16	38.10	40.66
03	5.08	7.64	17	40.64	43.20
04	7.62	10.18	18	43.18	45.74
05	10.16	12.72	19	45.72	48.28
06	12.70	15.26	20	48.26	50.82
07	15.24	17.80	21	50.80	53.36
08	17.78	20.34	22	53.34	55.90
09	20.32	22.88	23	55.88	58.44
10	22.86	25.42	24	58.42	60.95
11	25.40	27.96	25	60.96	63.52
12	27.94	30.50	26	63.50	66.06
13	30.48	33.04	27	66.04	68.60
14	33.02	35.58	28	68.58	71.14
15	35.56	38.12	29	71.12	73.68

### ORDERING INFORMATION:

P/N 254  $\frac{xx}{1}$  -  $\frac{xxxx}{2}$   $\frac{xx}{3}$   $\frac{xx}{4}$

- CONNECTOR TYPE:  
"CP" TOP ENTRY STRAIGHT TYPE  
"CQ" BOTTOM ENTRY STRAIGHT TYPE  
"CR" RIGHT ANGLE TYPE
- NO. OF CONTACTS:  
002 ~ 029
- CONTACT FINISH:  
"G" FULL GOLD PLATED  
"T" FULL TIN PLATED
- INSULATOR COLOR:  
"W" WHITE (STANDARD)  
"B" BLACK