

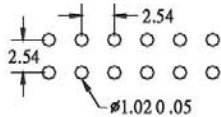
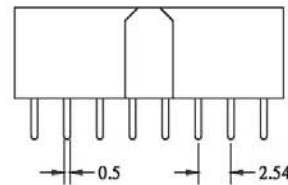
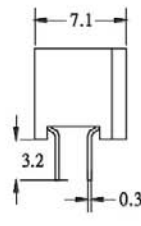
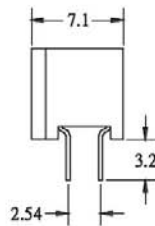
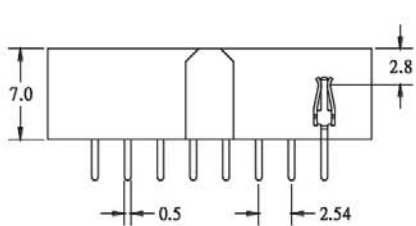
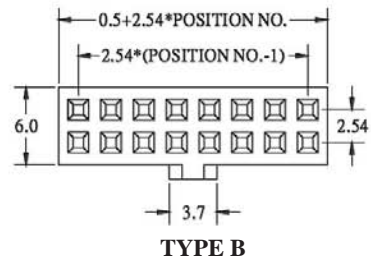
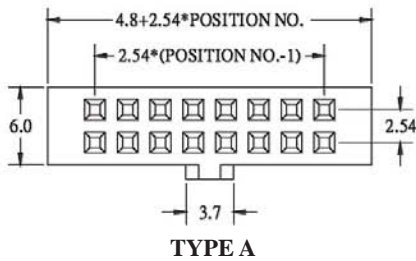
# 2.54MM(0.100") FEMALE HEADER WITH POLARIZATION BUMP PROFILE=7.00MM

## SPECIFICATIONS

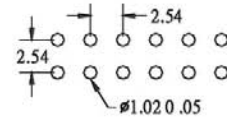
- Current Rating: 1 Amp
- Contact Resistance: 30mΩ Max.
- Insulator Resistance: 3000 MΩ Min.
- Dielectric Withstand: 500V AC For 1 Min.
- Operating Temperature: -40°C to +105°C

## MATERIALS

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



Recommended P.C.Board Layout



Recommended P.C.Board Layout

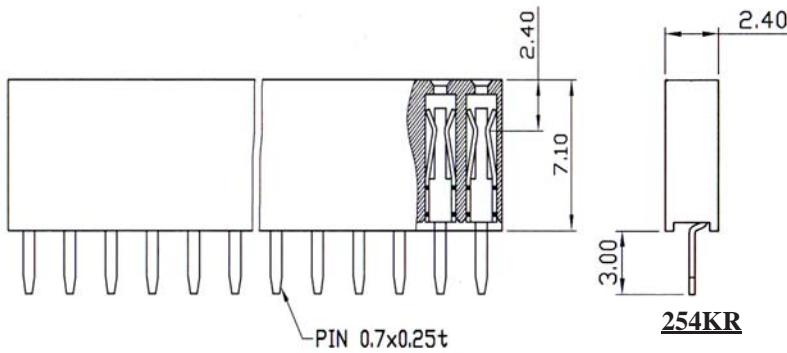
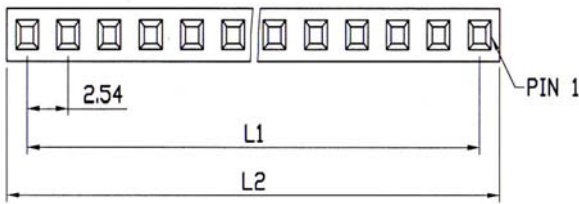
## ORDERING INFORMATION:

P/N 25 E xx - xx xx B / xx

1                    2                    3                    4

- |   |   |
|---|---|
| <p>1. INSULATOR TYPE:<br/>"E81" TYPE A<br/>"E82" TYPE B</p> <p>2. NO. OF CONTACTS:<br/>006, 008, 010, 012, 014, 016, 020, 024<br/>026, 030, 034, 040, 044, 050, 060, 064</p> <p>3. CONTACT FINISH:<br/>"G" FULL 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 DUAL BEAM FOLDED CONTACTS PROFILE=7.10MM

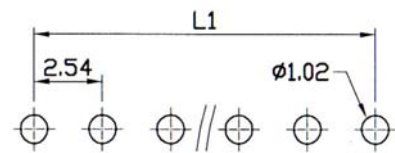


### SPECIFICATIONS

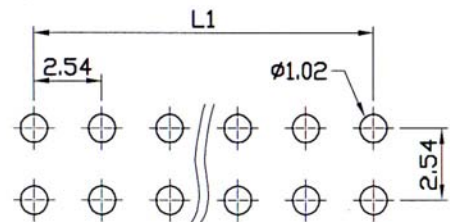
**Current Rating:** 3 Amp  
**Insulation Resistance:** 1000MΩ Min  
**Dielectric Withstanding:** 600V AC/DC  
**Contact Resistance:** 20mΩ Max.  
**Operating Temperature:** -40°C to +105°C

### MATERIALS

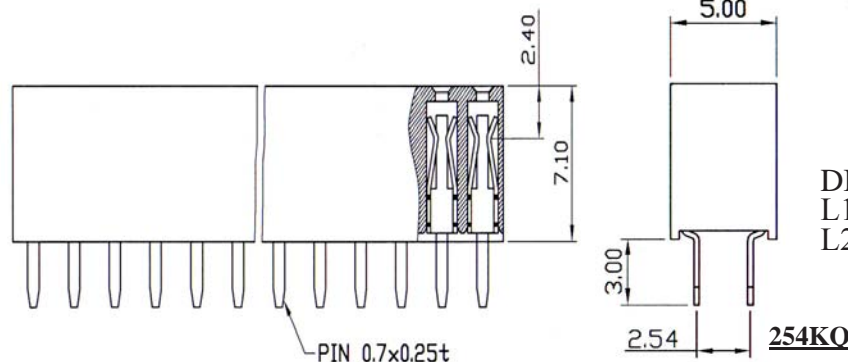
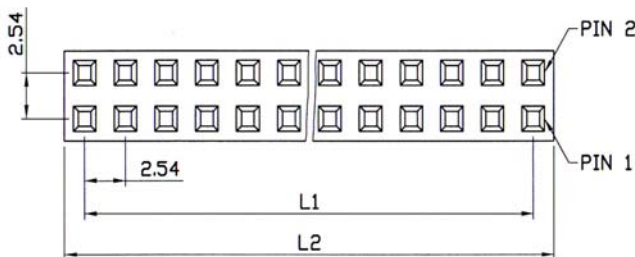
**Contact Material:** Phosphor Bronze  
**Insulation Material:** Polyester, UL 94V-0  
 Nylon-6T  
**Contact Plating:** Full Gold, Full Tin, Selective Plated  
**Standard:** Gold Flash all Over Nickel  
**All materials must be RoHS compliant.**



Recommended P.C.Board Layout



Recommended P.C.Board Layout



### DIMENSIONS:

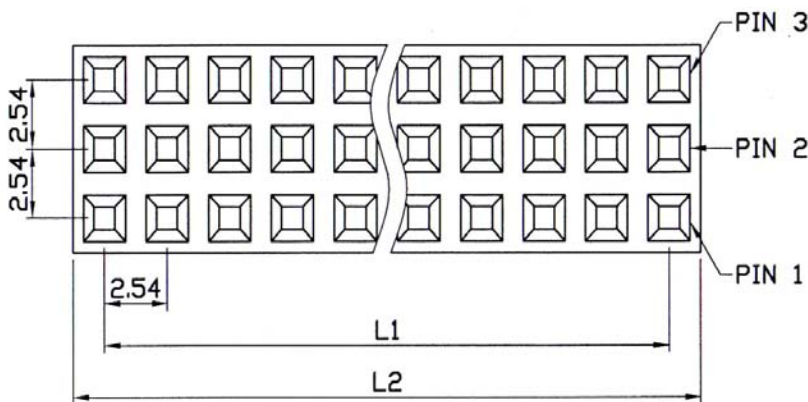
L1 = 2.54 x (No. of Contacts-1)  
 L2 = 0.5 + 2.54 x No. of Positions

### ORDERING INFORMATION:

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

1. NO. OF ROWS:  
 "KR" SINGLE ROW  
 "KQ" DOUBLE ROW DIP=3.00MM  
 "LY" DOUBLE ROW DIP=2.00MM
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 TRIPLE ROW STRAIGHT TYPE PROFILE=7.10MM

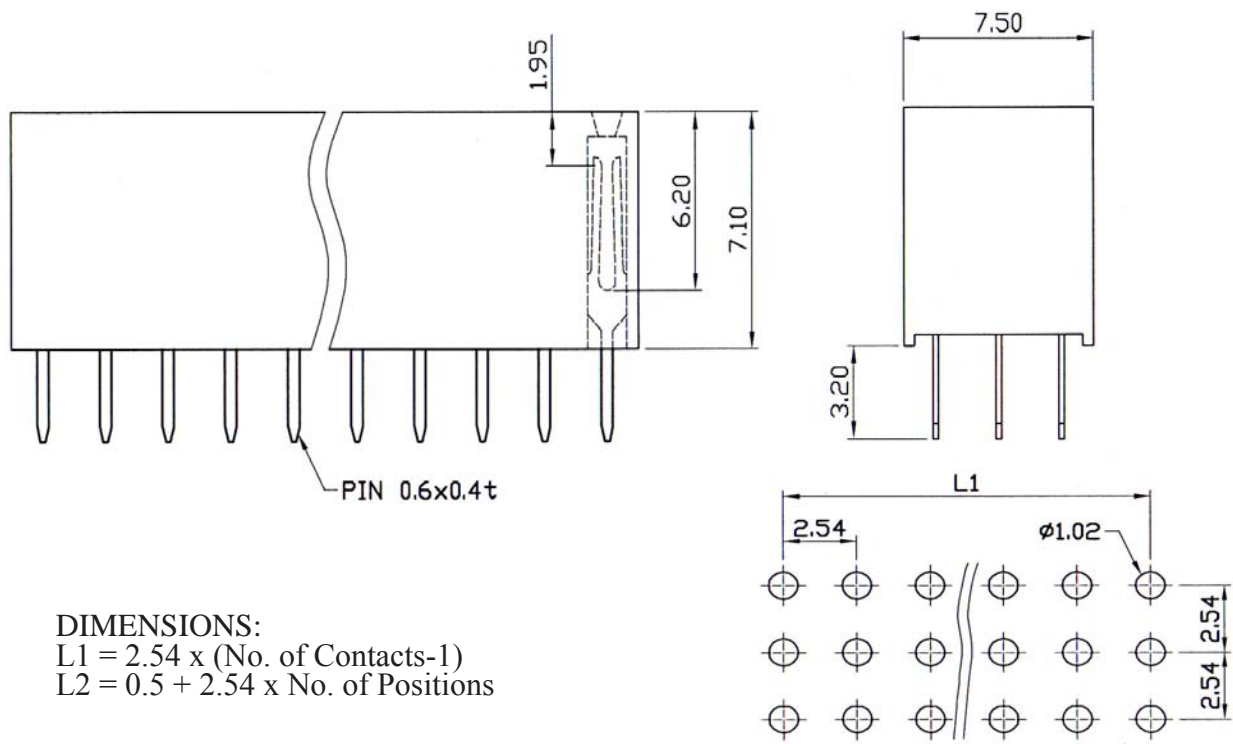


### SPECIFICATIONS

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

Recommended P.C.Board Layout

### ORDERING INFORMATION:

P/N 2 5 F<sub>1</sub> xx - xx<sub>2</sub> xx<sub>3</sub> B / xx<sub>4</sub>

- CONNECTOR TYPE:  
"F27" TRIPLE ROW STRAIGHT TYPE
- NO. OF CONTACTS:  
009 ~ 096
- 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 SINGLE ROW DUAL ENTRY TYPE PROFILE=7.10MM

### SPECIFICATIONS

Rating Current: 3 Amperes

Insulation Resistance: 1000MΩ Min.

Dielectric Withstanding: 600V AC

Contact Resistance: 20mΩ Max.

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

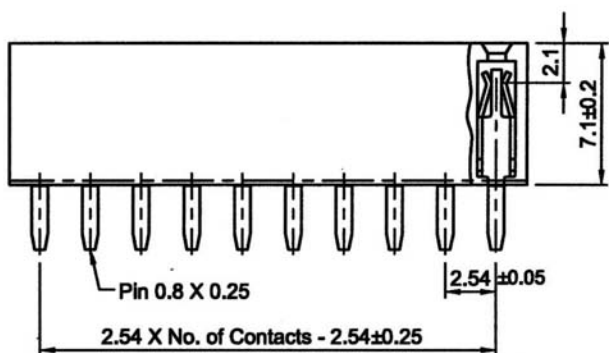
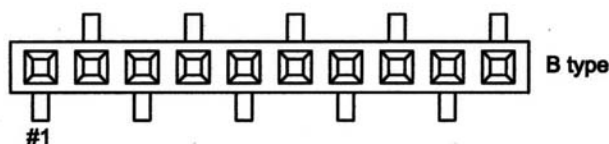
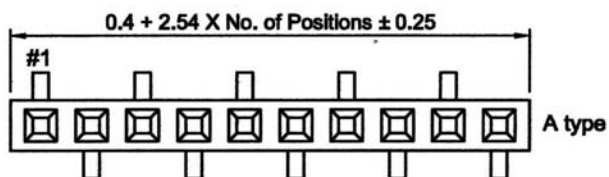
### MATERIALS

Contact Material: Phosphor Bronze

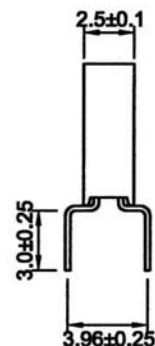
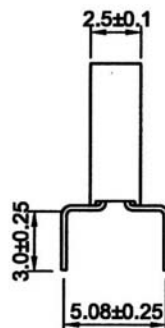
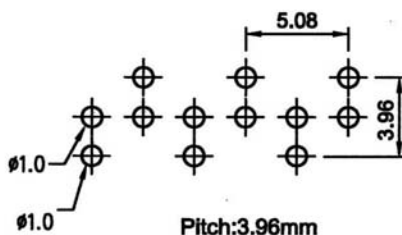
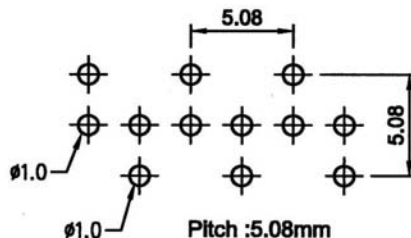
Contact Plating: Gold / Tin over Nickel

Insulator: Glass Filled Polyester (UL 94V-0)  
Nylon-6T

\* RoHS & REACH compliant.



### Recommended P.C.Board Layout



### ORDERING INFORMATION:

P/N 25  $\frac{1}{\text{CONTACT TYPE}}$   $\frac{2}{\text{NO. OF CONTACTS}}$   $\frac{3}{\text{CONTACT FINISH}}$  B -  $\frac{T}{\text{PACKAGE TYPE}}$

#### 1. CONTACT TYPE:

"H45" D=3.96MM A TYPE

"H46" D=3.96MM B TYPE

"H47" D=5.08MM A TYPE

"H48" D=5.08MM B TYPE

#### 2. NO. OF CONTACTS:

002~040

#### 3. CONTACT FINISH:

"G" FULL GOLD PLATED

"T" FULL TIN PLATED

#### 4. PACKAGE TYPE:

"T" W/O PAD IN TUBE

## 2.54MM (0.100") FEMALE HEADER DOUBLE ROW DUAL ENTRY TYPE PROFILE=7.10MM

### 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

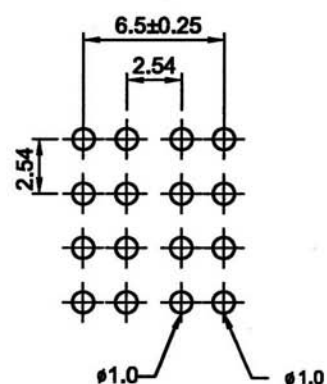
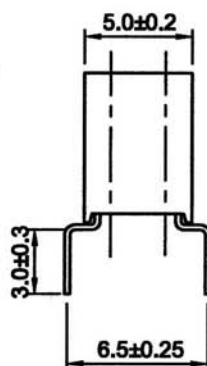
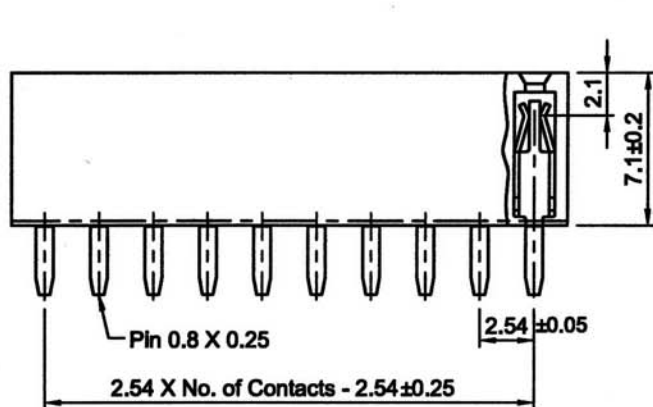
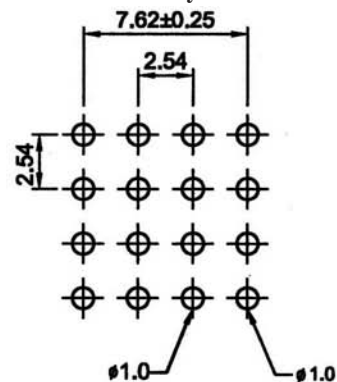
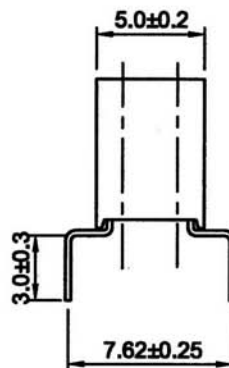
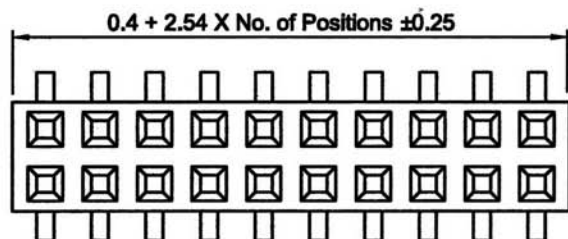
Contact Material: Phosphor Bronze

Contact Plating: Gold / Tin over Nickel

Insulator: Glass Filled Polyester (UL 94V-0)  
Nylon-6T

\* RoHS & REACH compliant.

### Recommended P.C.Board Layout



### ORDERING INFORMATION:

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

1. CONTACT TYPE:

"H49" D=6.50MM

"H50" D=7.62MM

2. NO. OF CONTACTS:

006~080

3. CONTACT FINISH:

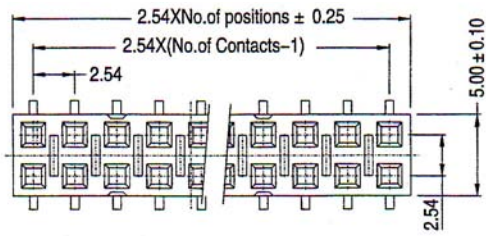
"G" FULL GOLD PLATED

"T" FULL TIN PLATED

4. PACKAGE TYPE:

"T" W/O PAD IN TUBE

## 2.54MM(0.100") FEMALE HEADER DOUBLE ROW STRAIGHT TYPE PROFILE=7.30MM

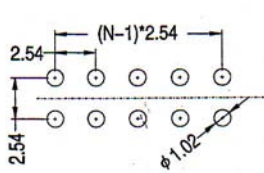
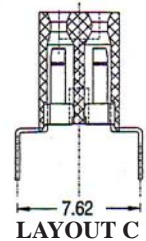
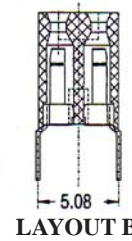
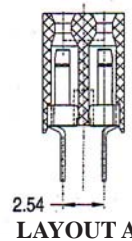
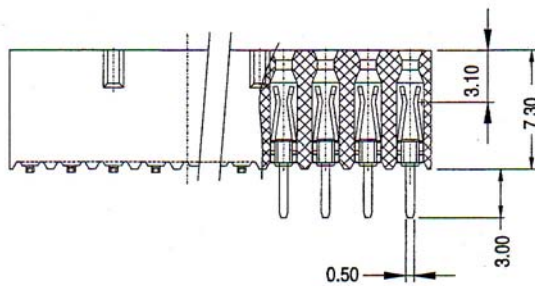


### SPECIFICATIONS

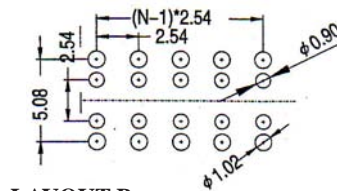
Current Rating: 3.0 Amp  
 Dielectric Withstanding: 500V AC  
 Insulation Resistance: 1000MΩ Min  
 Contact Resistance: 20mΩ Max.  
 Operating Temperature: -40°C to + 105°C

### MATERIALS

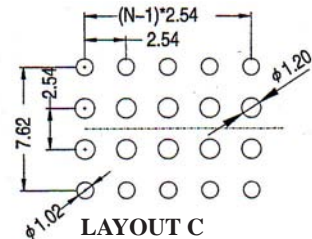
Insulation Material: LCP, UL94V-0  
 Contact Material: Phosphor Bronze  
 All materials must be RoHS compliant.



LAYOUT A  
Recommended P.C.Board Layout



LAYOUT B  
Recommended P.C.Board Layout



LAYOUT C  
Recommended P.C.Board Layout

### ORDERING INFORMATION:

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

1. LAYOUT TYPE:  
 "ZE" LAYOUT A  
 "ZF" LAYOUT B  
 "ZG" LAYOUT C
2. NO. OF CONTACTS:  
 004 ~ 080
3. CONTACT FINISH:  
 "G" FULL GOLD PLATED  
 "S" SELECTIVE GOLD PLATED  
 "T" FULL TIN PLATED

# 2.54MM(0.100") FEMALE HEADER STRAIGHT DIP TYPE WITH SQUARE TAIL PROFILE=8.40MM

PIN LENGTH	DOUBLE ROW	SINGLE ROW
3.30	25E30	25E27
5.65	25E31	25E28
10.70	25E32	25E29

## SPECIFICATIONS

**Current Rating:** 1 Amp

**Contact Resistance:** 30mΩ Max.

**Insulator Resistance:** 3000 MΩ Min.

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

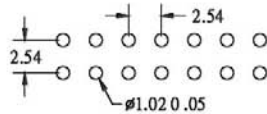
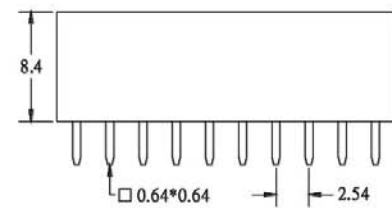
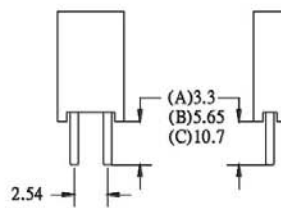
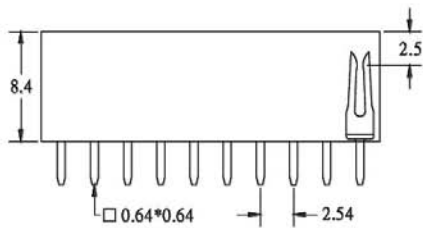
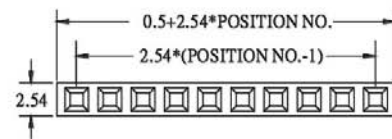
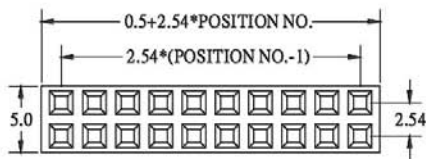
**Operating Temperature:** -40°C to +105°C

## MATERIALS

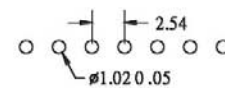
**Insulator:** PBT, Glass Reinforced, UL94V-0

**Contacts:** Brass

**All materials must be RoHS compliant.**



Recommended P.C.Board Layout



Recommended P.C.Board Layout

## ORDERING INFORMATION:

P/N 25 xxx - xxxx B  
1 2 3

1. CONTACT TYPE:

E27, E28, E29, E30, E31, E32

2. NO. OF CONTACTS:

002 ~ 040 FOR SINGLE ROW

004 ~ 080 FOR DOUBLE ROW

3. CONTACT FINISH:

"G" FULL GOLD PLATED

## 2.54MM(0.100") FEMALE HEADER SINGLE ROW STRAIGHT 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.

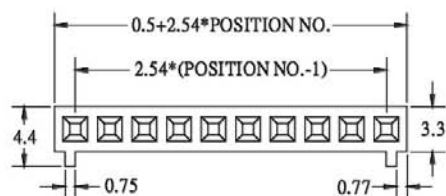
Operating Temperature: -40°C to +105°C

### MATERIALS

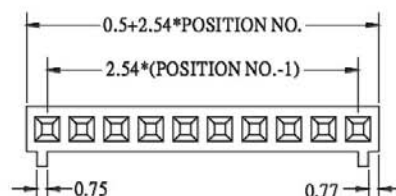
Insulator: PBT, Glass Reinforced, UL94V-0

Contacts: Phosphor Bronze

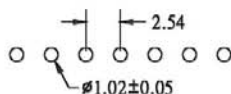
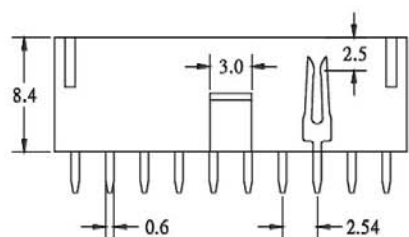
All materials must be RoHS compliant.



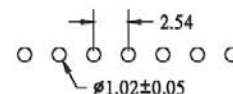
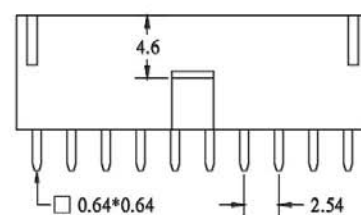
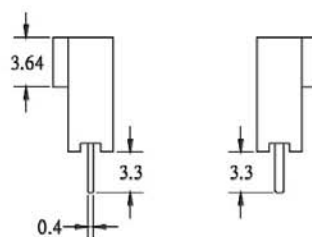
TYPE A



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:

"K13" TYPE A (0.60 x 0.40MM)

"K14" 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 STRAIGHT DIP TYPE PROFILE=8.40MM

PIN LENGTH	TYPE A	TYPE B
3.30	K23	K26
5.65	K24	K27
10.70	K25	K28

## SPECIFICATIONS

**Current Rating:** 1 Amp

**Contact Resistance:** 30mΩ Max.

**Insulator Resistance:** 3000 MΩ Min.

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

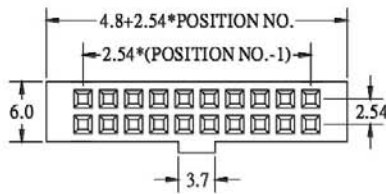
**Operating Temperature:** -40°C to +105°C

## MATERIALS

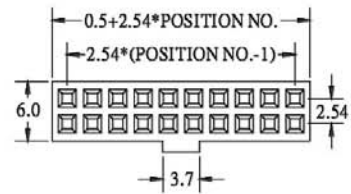
**Insulator:** PBT, Glass Reinforced, UL94V-0

**Contacts:** Phosphor Bronze

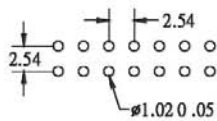
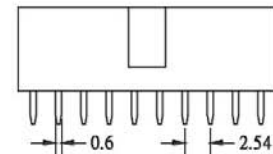
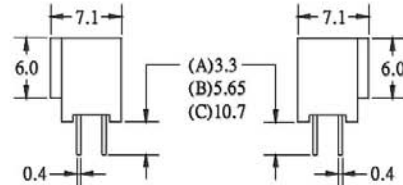
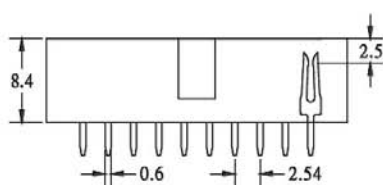
**All materials must be RoHS compliant.**



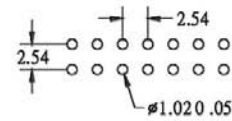
TYPE A



TYPE B



Recommended P.C.Board Layout



Recommended P.C.Board Layout

## ORDERING INFORMATION:

P/N 25 XXX - XXXX B  
1 2 3

- CONTACT TYPE:  
K23, K24, K25, K26, K27, K28
- NO. OF CONTACTS:  
006, 008, 010, 012, 014, 016, 020, 024,  
026, 030, 034, 040, 044, 050, 060, 064
- CONTACT FINISH:  
"G" FULL GOLD PLATED

# 2.54MM(0.100") FEMALE HEADER WITH POLARIZATION BUMP & SQUARE TAIL STRAIGHT DIP TYPE PROFILE=8.40MM

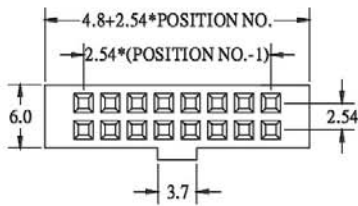
PIN LENGTH	TYPE A	TYPE B
3.30	K29	K32
5.65	K30	K33
10.70	K31	K34

## SPECIFICATIONS

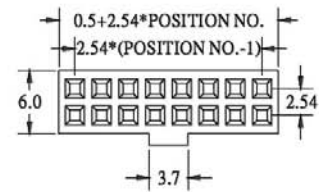
**Current Rating:** 1 Amp  
**Contact Resistance:** 30mΩ Max.  
**Insulator Resistance:** 3000 MΩ Min.  
**Dielectric Withstand:** 500V AC For 1 Min.  
**Operating Temperature:** -40°C to +105°C

## MATERIALS

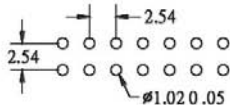
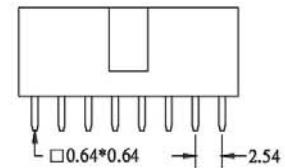
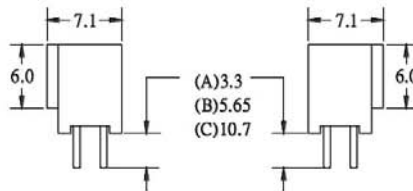
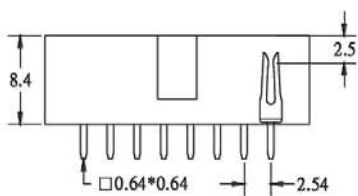
**Insulator:** PBT, Glass Reinforced, UL94V-0  
**Contacts:** Phosphor Bronze  
**All materials must be RoHS compliant.**



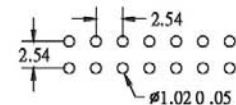
TYPE A



TYPE B



Recommended P.C.Board Layout



Recommended P.C.Board Layout

## ORDERING INFORMATION:

P/N 25 xxx - xxxx B

1                      2                      3

1. CONTACT TYPE:  
K29, K30, K31, K32, K33, K34
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 TRIPLE ROW STRAIGHT DIP TYPE PROFILE=8.40MM

PIN LENGTH	TYPE A	TYPE B
3.30	K41	K44
5.65	K42	K45
10.70	K43	K46

## SPECIFICATIONS

Current Rating: 1 Amp

Contact Resistance: 30mΩ Max.

Insulator Resistance: 3000 MΩ Min.

Dielectric Withstand: 500V AC For 1 Min.

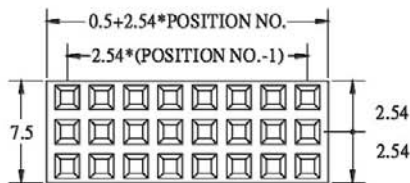
Operating Temperature: -40°C to +105°C

## MATERIALS

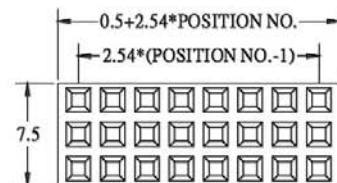
Insulator: PBT, Glass Reinforced, UL94V-0

Contacts: Phosphor Bronze

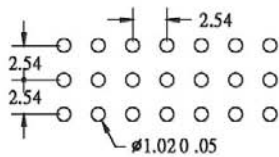
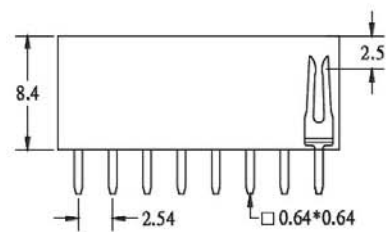
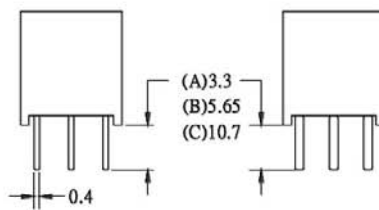
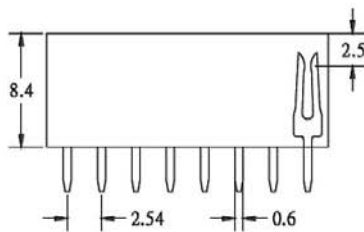
All materials must be RoHS compliant.



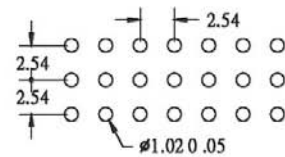
TYPE A



TYPE B



Recommended P.C.Board Layout



Recommended P.C.Board Layout

## ORDERING INFORMATION:

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

- CONTACT TYPE:  
TYPE A (0.60 x 0.40MM): K41, K42, K43  
TYPE B (0.64 x 0.64MM): K44, K45, K46
- NO. OF CONTACTS:  
009 ~ 120
- CONTACT FINISH:  
"G" FULL GOLD PLATED

**2.54MM(0.100") ELEVATED FEMALE HEADER WITH SQUARE TAIL  
STRAIGHT DIP TYPE PROFILE=8.40MM**

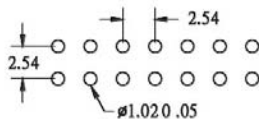
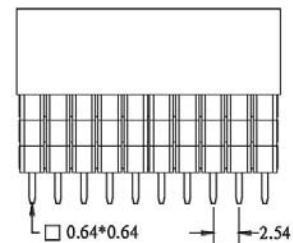
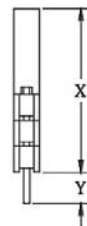
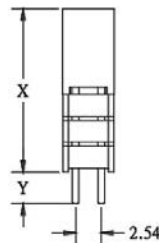
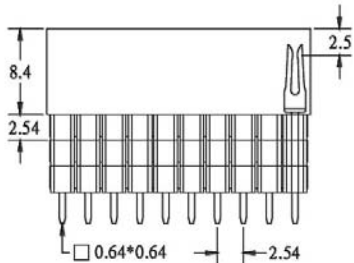
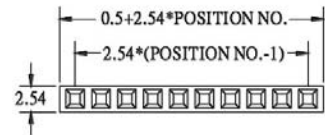
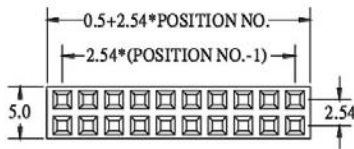
X	Y	DOUBLE ROW	SINGLE ROW
10.94	3.10	K38	K35
13.48	5.65	K39	K36
16.02	3.10	K40	K37

**SPECIFICATIONS**

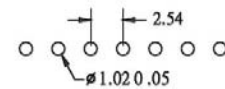
Current Rating: 1 Amp  
 Contact Resistance: 30mΩ Max.  
 Insulator Resistance: 3000 MΩ Min.  
 Dielectric Withstand: 500V AC For 1 Min.  
 Operating Temperature: -40°C to +105°C

**MATERIALS**

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



Recommended P.C.Board Layout



Recommended P.C.Board Layout

**ORDERING INFORMATION:**

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

- CONTACT TYPE:  
K35, K36, K37, K38, K39, K40
- NO. OF CONTACTS:  
002 ~ 040 FOR SINGLE ROW  
004 ~ 080 FOR DOUBLE ROW
- CONTACT FINISH:  
"G" FULL GOLD PLATED

# 2.54MM(0.100") ELEVATED FEMALE HEADER TRIPLE ROW STRAIGHT DIP TYPE PROFILE=8.40MM

X	Y	TYPE A	TYPE B
10.94	3.10	K47	K50
13.48	5.65	K48	K51
16.02	3.10	K49	K52

## SPECIFICATIONS

**Current Rating:** 1 Amp

**Contact Resistance:** 30mΩ Max.

**Insulator Resistance:** 3000 MΩ Min.

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

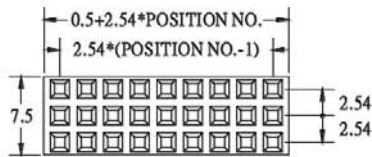
**Operating Temperature:** -40°C to +105°C

## MATERIALS

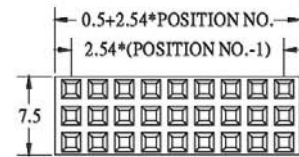
**Insulator:** PBT, Glass Reinforced, UL94V-0

**Contacts:** Brass

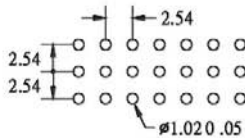
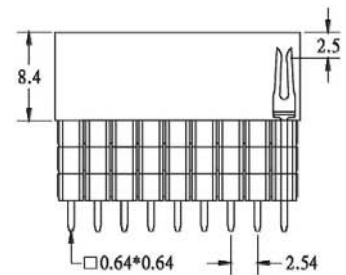
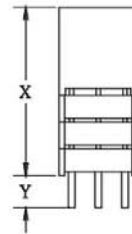
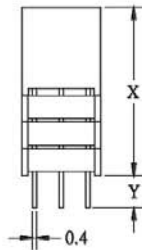
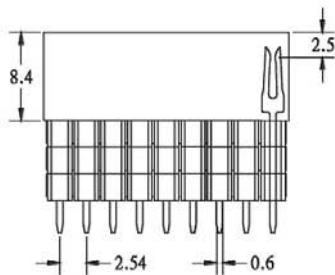
**All materials must be RoHS compliant.**



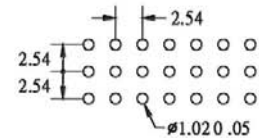
TYPE A



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:  
 TYPE A (0.60 x 0.40MM): K47, K48, K49  
 TYPE B (0.64 x 0.64MM): K50, K51, K52
2. NO. OF CONTACTS:  
 009 ~ 120
3. CONTACT FINISH:  
 "G" FULL GOLD PLATED

# 2.54MM(0.100") ELEVATED FEMALE HEADER DOUBLE ROW STRAIGHT DIP TYPE WITH POLARIZATION BUMP & SQUARE TAIL PROFILE=8.40MM

X	Y	TYPE A	TYPE B
10.94	3.10	25E39	25E42
13.48	5.65	25E40	25E43
16.02	3.10	25E41	25E44

## SPECIFICATIONS

**Current Rating:** 1 Amp

**Contact Resistance:** 30mΩ Max.

**Insulator Resistance:** 3000 MΩ Min.

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

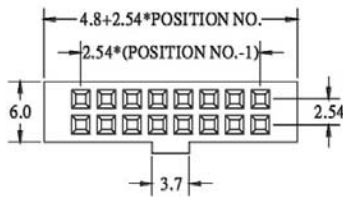
**Operating Temperature:** -40°C to +105°C

## MATERIALS

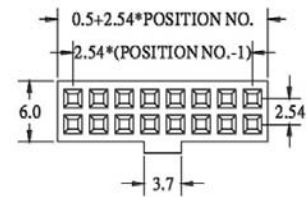
**Insulator:** PBT, Glass Reinforced, UL94V-0

**Contacts:** Brass

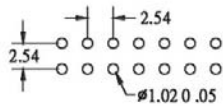
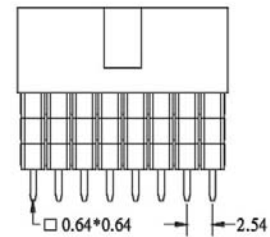
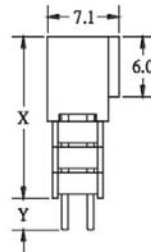
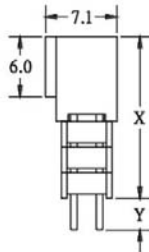
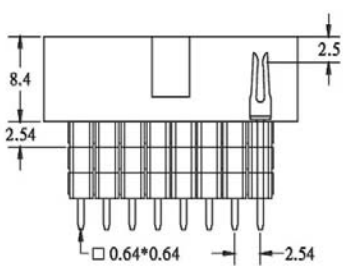
**All materials must be RoHS compliant.**



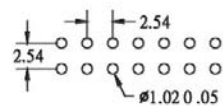
TYPE A



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:  
E39, E40, E41, E42, E43, E44
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") ELEVATED FEMALE HEADER DOUBLE ROW STRAIGHT DIP TYPE WITH POLARIZATION BUMP PROFILE=8.40MM

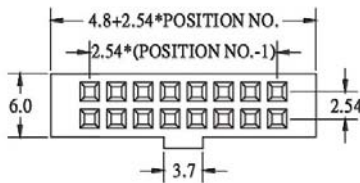
X	Y	TYPE A	TYPE B
10.94	3.10	25E33	25E36
13.48	5.65	25E34	25E37
16.02	3.10	25E35	25E38

## SPECIFICATIONS

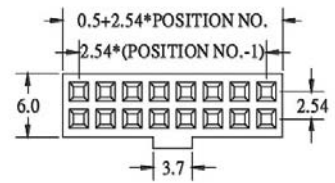
**Current Rating:** 1 Amp  
**Contact Resistance:** 30mΩ Max.  
**Insulator Resistance:** 3000 MΩ Min.  
**Dielectric Withstand:** 500V AC For 1 Min.  
**Operating Temperature:** -40°C to +105°C

## MATERIALS

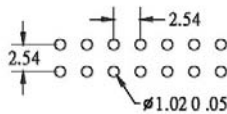
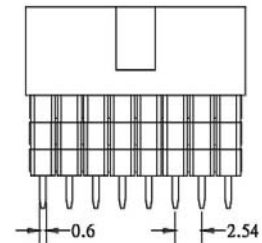
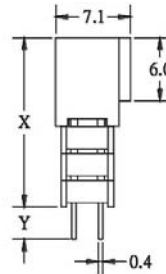
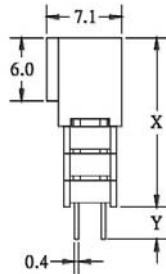
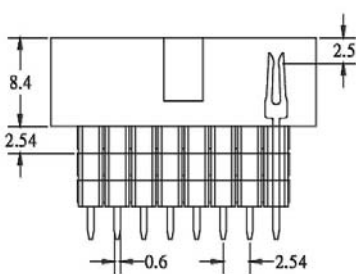
**Insulator:** PBT, Glass Reinforced, UL94V-0  
**Contacts:** Phosphor Bronze  
**All materials must be RoHS compliant.**



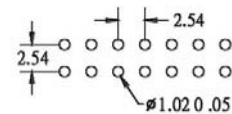
TYPE A



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:  
E33, E34, E35, E36, E37, E38
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