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P.C.B. CONNECTOR 2.0 mm

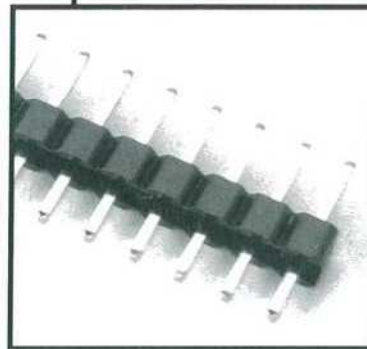
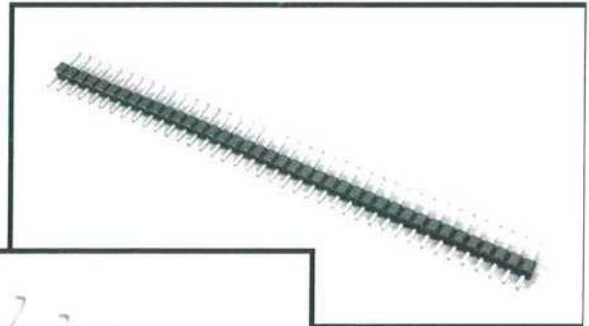
PIN HEADER 2.0 mm STRAIGHT PLASTIC TYPE - Height 1.5/2.0 mm

SPECIFICATION:

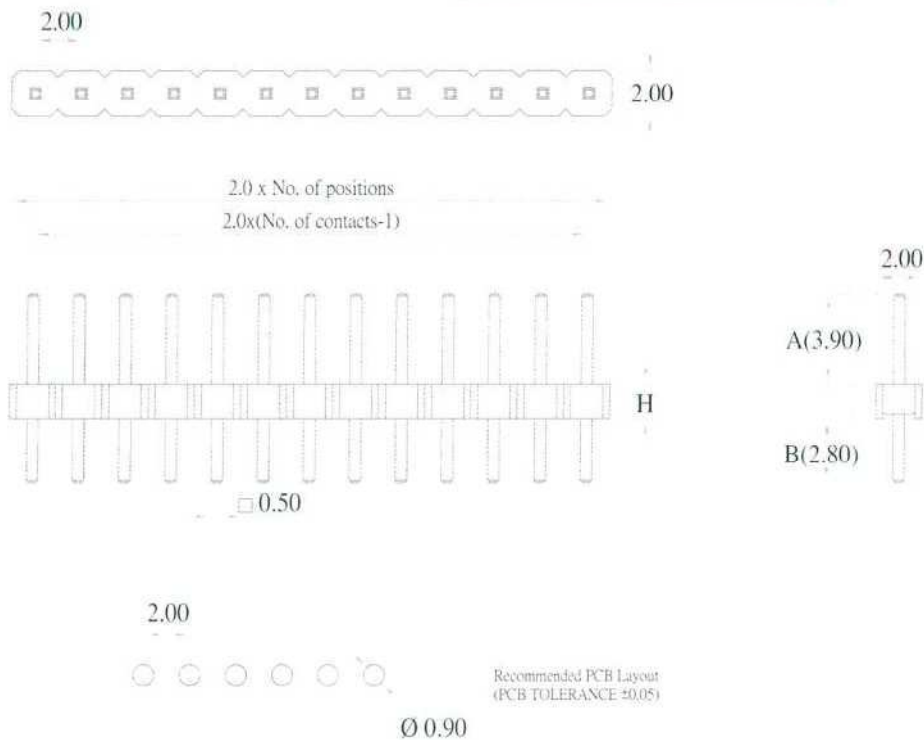
Current Rate: 1 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: Polyester, UL 94V-0
 ©Standard: Nylon-6T
 H = 2.0: P.B.T
 Contact Pin: Brass
 Finish: Tin, Gold plated
 ©Standard: Gold flash all over



RoHS Compliant



ORDERING CODE

PH2S **XX** **-** **1** **XX** **X** **B** **A/B**

15: Plastic Height H= 1.5 mm
 20: Plastic Height H= 2.0 mm

No. of contacts for row
 (02-50)

| ©G: Gold Flash | | S: Selective | |
|----------------|----------|--------------|--|
| GA: 5u" | SA: 5u" | | |
| GB: 10u" | SB: 10u" | | |
| GC: 20u" | SC: 20u" | | |
| GD: 30u" | SD: 30u" | | |
| T: Tin Plated | | | |
| TE: Tin 200u" | | | |

B: Black insulator

Fill in dimension for special design

©:Standard Recommend

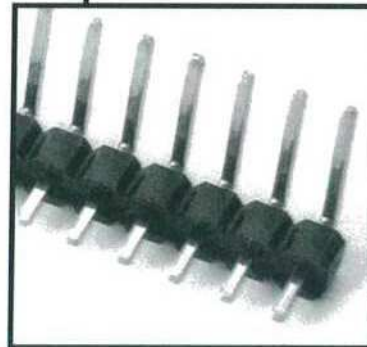
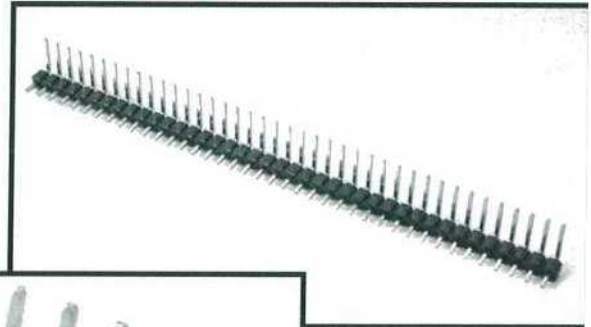
PIN HEADER 2.0 mm RIGHT ANGLE PLASTIC TYPE - Height 1.5/2.0 mm

SPECIFICATION:

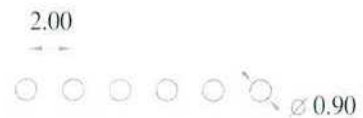
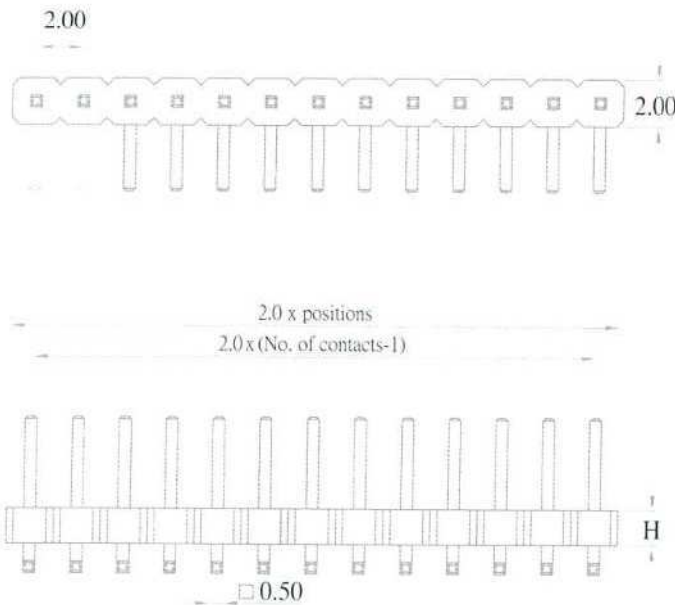
Current Rate: 1 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

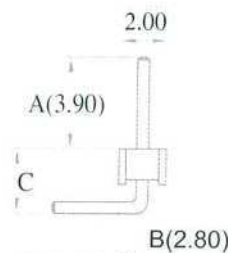
Insulator: Polyester, UL 94V-0
 ©Standard: Nylon-6T
 H = 2.0: P.B.T
 Contact Pin: Brass
 Finish: Tin, Gold plated
 ©Standard: Gold flash all over



RoHS Compliant



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)



| Height | Dim C |
|--------|-------|
| 1.5 | 2.5 |
| 2.0 | 3.0 |

ORDERING CODE

| | | | | | | | |
|-------------|--|---|------------------------------------|---|---|--------------------|--------------------------------------|
| PH2R | XX | - | 1 | XX | X | B | A/B/C |
| | 1.5: Plastic Height H= 1.5 mm 2.0: Plastic Height H= 2.0 mm | | No. of contacts for row (02-50) | @G: Gold Flash GA: 5u" GB: 10u" GC: 20u" GD: 30u" | S: Selective SA: 5u" SB: 10u" SC: 20u" SD: 30u" | B: Black insulator | Fill in dimension for special design |
| | | | | T: Tin Plated TE: Tin 200u" | | | |

©:Standard Recommend

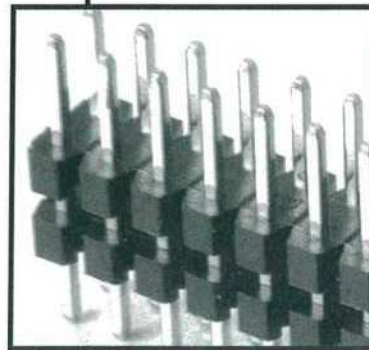
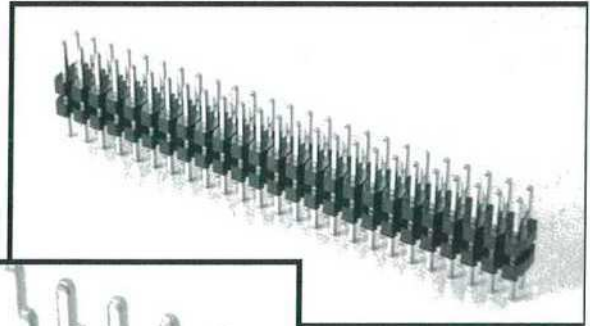
PIN HEADER 2.0 mm STACK DIP PLASTIC TYPE - Height 1.5/2.0 mm

SPECIFICATION:

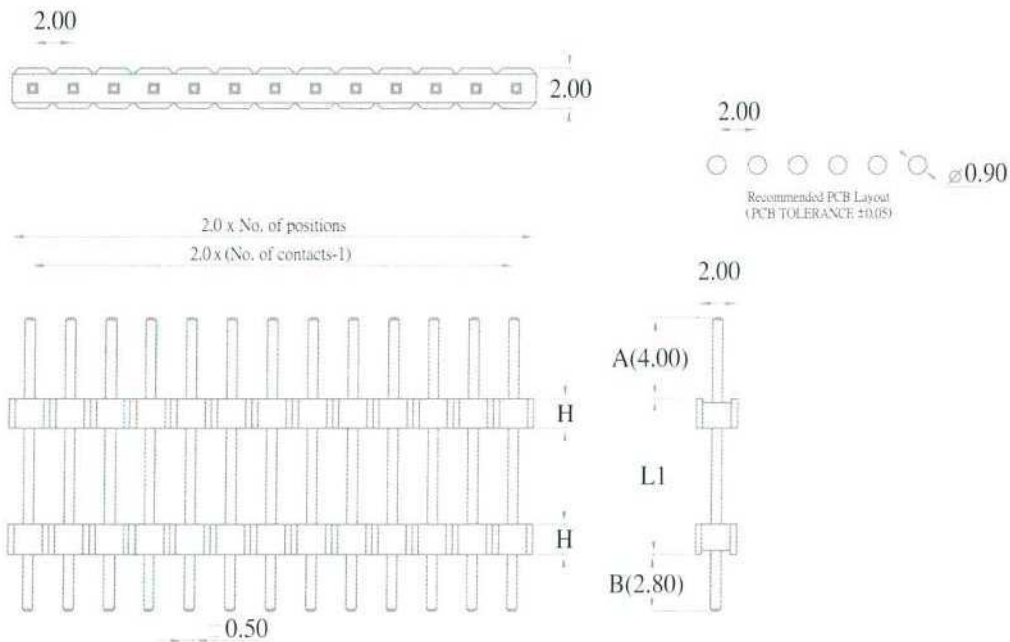
Current Rate: 1 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

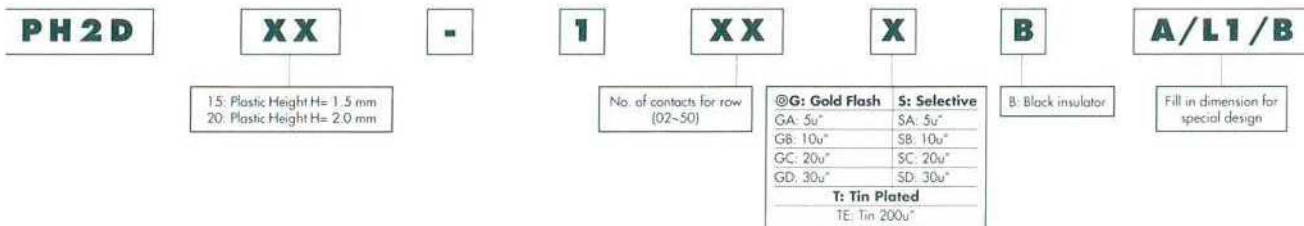
Insulator: Polyester, UL 94V-0
 ©Standard: Nylon-6T
 H = 2.0: P.B.T
 Contact Pin: Brass
 Finish: Tin, Gold plated
 ©Standard: Gold flash all over



RoHS Compliant



ORDERING CODE



©:Standard Recommend

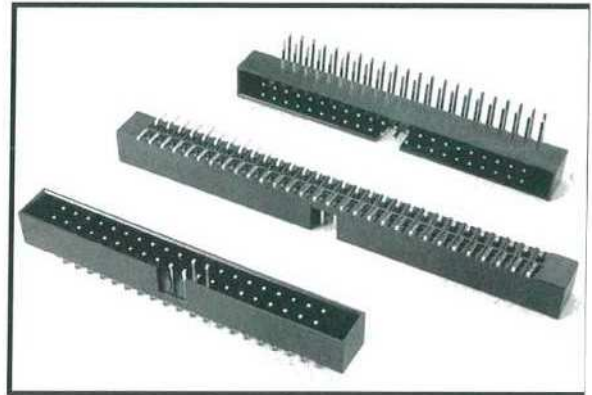
BOX HEADER 2.0 mm STRAIGHT/SMT/RIGHT ANGLE TYPE

SPECIFICATION:

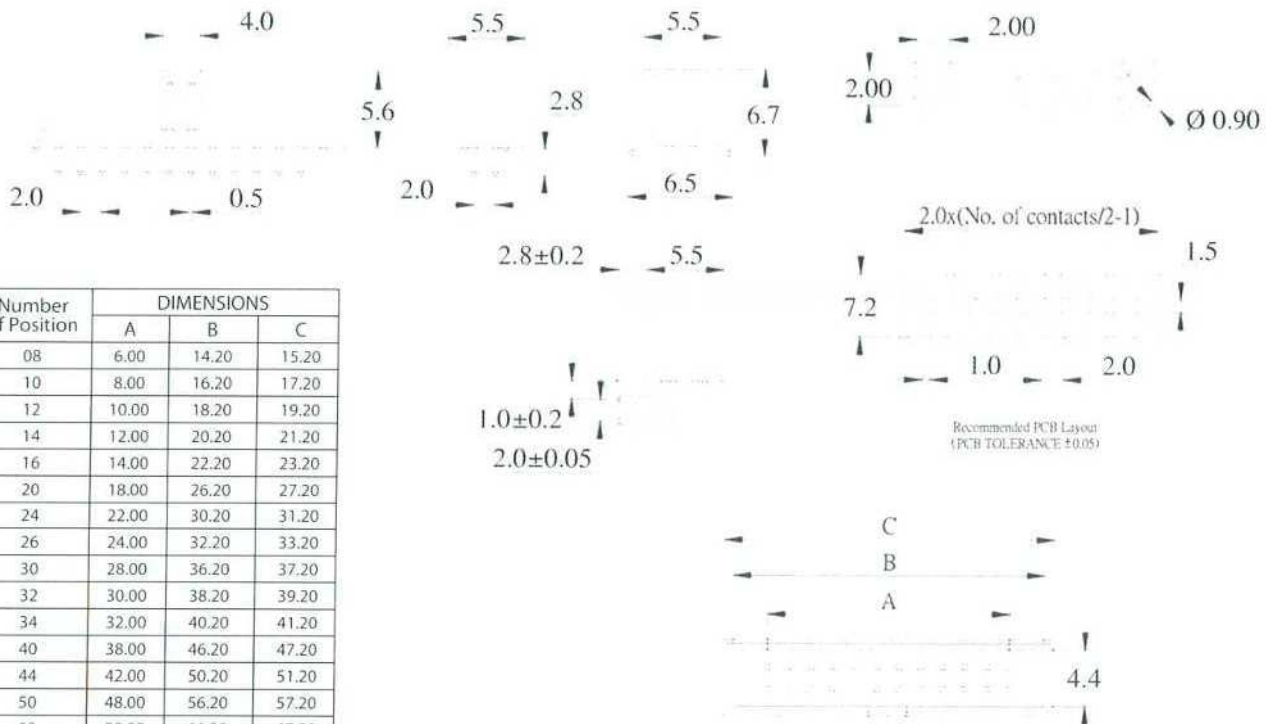
Current Rate: 1 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40 °C to +105 °C

MATERIAL:

Insulator: P.B.T
 SMT: Nylon-6T
 Contact Pin: Brass
 Finish: Tin, Gold plated
 © Standard: Gold flash all over



RoHS Compliant



| Number of Position | DIMENSIONS | | |
|--------------------|------------|-------|-------|
| | A | B | C |
| 08 | 6.00 | 14.20 | 15.20 |
| 10 | 8.00 | 16.20 | 17.20 |
| 12 | 10.00 | 18.20 | 19.20 |
| 14 | 12.00 | 20.20 | 21.20 |
| 16 | 14.00 | 22.20 | 23.20 |
| 20 | 18.00 | 26.20 | 27.20 |
| 24 | 22.00 | 30.20 | 31.20 |
| 26 | 24.00 | 32.20 | 33.20 |
| 30 | 28.00 | 36.20 | 37.20 |
| 32 | 30.00 | 38.20 | 39.20 |
| 34 | 32.00 | 40.20 | 41.20 |
| 40 | 38.00 | 46.20 | 47.20 |
| 44 | 42.00 | 50.20 | 51.20 |
| 50 | 48.00 | 56.20 | 57.20 |
| 60 | 58.00 | 66.20 | 67.20 |
| 64 | 62.00 | 70.20 | 71.20 |
| 68 | 66.00 | 74.20 | 75.20 |

ORDERING CODE

BH2 **X** - **XX** **X** **B**

S: Straight
R: Right angle
M: SMT

No. of contacts for row (06-80)

©G: Gold Flash S: Selective
 GA: 5u" SA: 5u"
 GB: 10u" SB: 10u"
 GC: 20u" SC: 20u"
 GD: 30u" SD: 30u"

T: Tin Plated
TE: Tin 200u"

B: Black insulator

©:Standard Recommend

P.C.B. CONNECTOR 2.0 mm

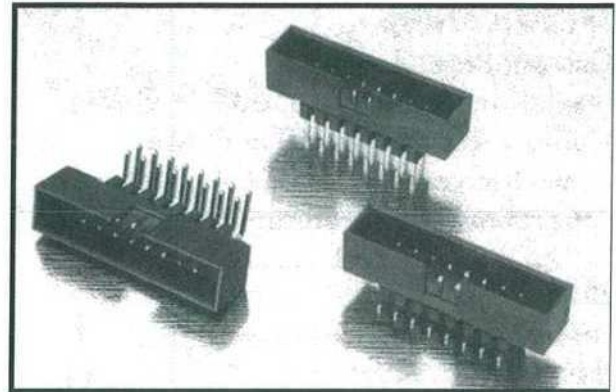
BOX HEADER 2.0 mm ELEVATED STRAIGHT/SMT/RIGHT ANGLE TYPE

SPECIFICATION:

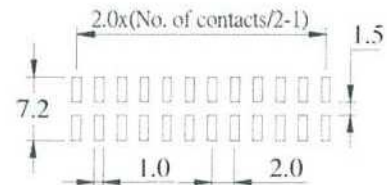
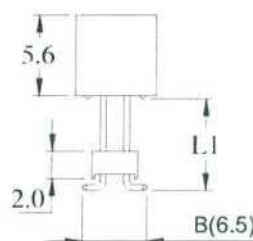
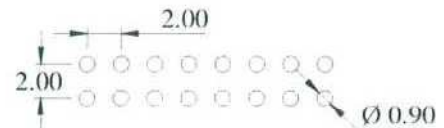
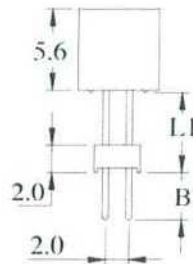
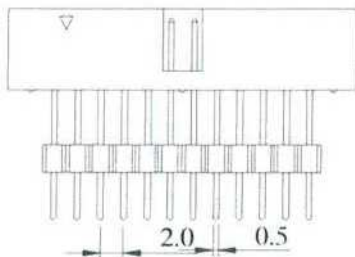
Current Rate: 1 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: Nylon-6T
 Contact Pin: Brass
 Finish: Tin, Gold plated
 © Standard: Gold flash all over

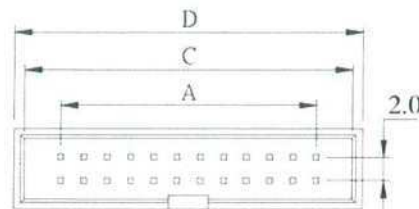


RoHS Compliant



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

| Number of Position | DIMENSIONS | | |
|--------------------|------------|-------|-------|
| | A | B | C |
| 08 | 6.00 | 14.20 | 15.20 |
| 10 | 8.00 | 16.20 | 17.20 |
| 12 | 10.00 | 18.20 | 19.20 |
| 14 | 12.00 | 20.20 | 21.20 |
| 16 | 14.00 | 22.20 | 23.20 |
| 20 | 18.00 | 26.20 | 27.20 |
| 24 | 22.00 | 30.20 | 31.20 |
| 26 | 24.00 | 32.20 | 33.20 |
| 30 | 28.00 | 36.20 | 37.20 |
| 32 | 30.00 | 38.20 | 39.20 |
| 34 | 32.00 | 40.20 | 41.20 |
| 40 | 38.00 | 46.20 | 47.20 |
| 44 | 42.00 | 50.20 | 51.20 |
| 50 | 48.00 | 56.20 | 57.20 |
| 60 | 58.00 | 66.20 | 67.20 |
| 64 | 62.00 | 70.20 | 71.20 |
| 68 | 66.00 | 74.20 | 75.20 |



ORDERING CODE

BH2 **X** **-** **XX** **X** **B** **L1/B**

S: Straight
R: Right angle
M: SMT

No. of contacts for row (06-80)

©G: Gold Flash S: Selective
 GA: 5u" SA: 5u"
 GB: 10u" SB: 10u"
 GC: 20u" SC: 20u"
 GD: 30u" SD: 30u"
 T: Tin Plated
 TE: Tin 200u"

B: Black insulator

Fill in dimension for special design

©:Standard Recommend

EJECTOR HEADER 2.0 mm STRAIGHT/SMT/RIGHT ANGLE TYPE

SPECIFICATION:

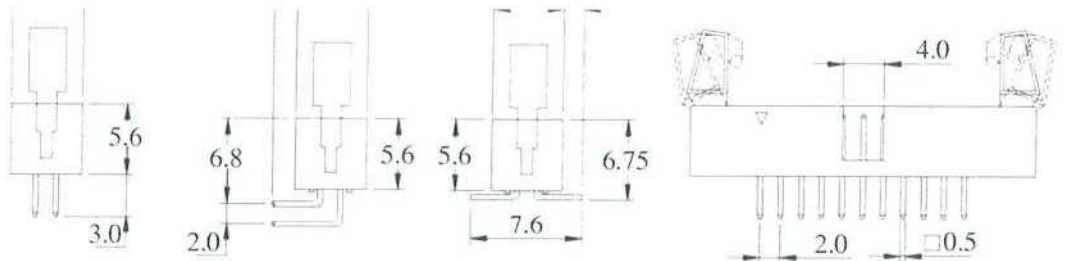
Current Rate: 1 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

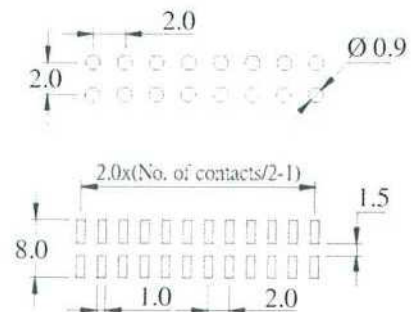
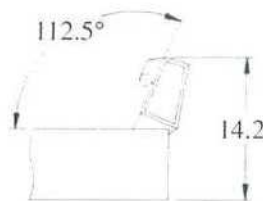
Insulator: Nylon-6T
 Contact Pin: Brass
 Finish: Tin, Gold plated
 © Standard: Gold flash all over



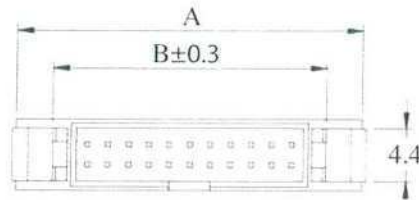
RoHS Compliant



| Number of Position | DIMENSIONS | | |
|--------------------|------------|------|------|
| | A | B | C |
| 20 | 34.00 | 26.3 | 18.0 |
| 26 | 40.00 | 32.3 | 24.0 |
| 40 | 54.00 | 46.3 | 38.0 |
| 44 | 58.00 | 50.3 | 42.0 |
| 50 | 64.00 | 56.3 | 48.0 |
| 60 | 82.00 | 74.3 | 66.0 |



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)



ORDERING CODE

EDH2 **X** - **XX** **X** **B**

S: Straight
R: Right angle
M: SMT

No. of contacts

© G: Gold Flash S: Selective
 GA: 5u" SA: 5u"
 GB: 10u" SB: 10u"
 GC: 20u" SC: 20u"
 GD: 30u" SD: 30u"

T: Tin Plated
TE: Tin 200u"

B: Black insulator

©:Standard Recommend

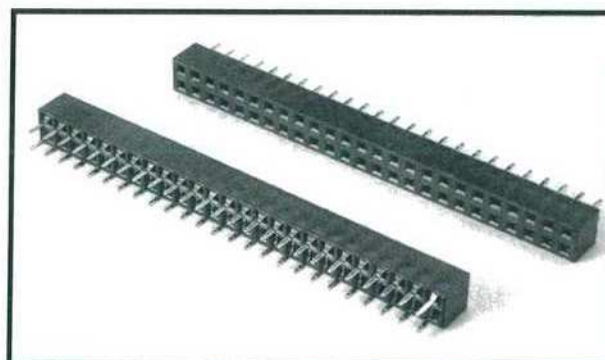
FEMALE HEADER 2.0 mm STRAIGHT PLASTIC TYPE - Height 6.3 mm

SPECIFICATION:

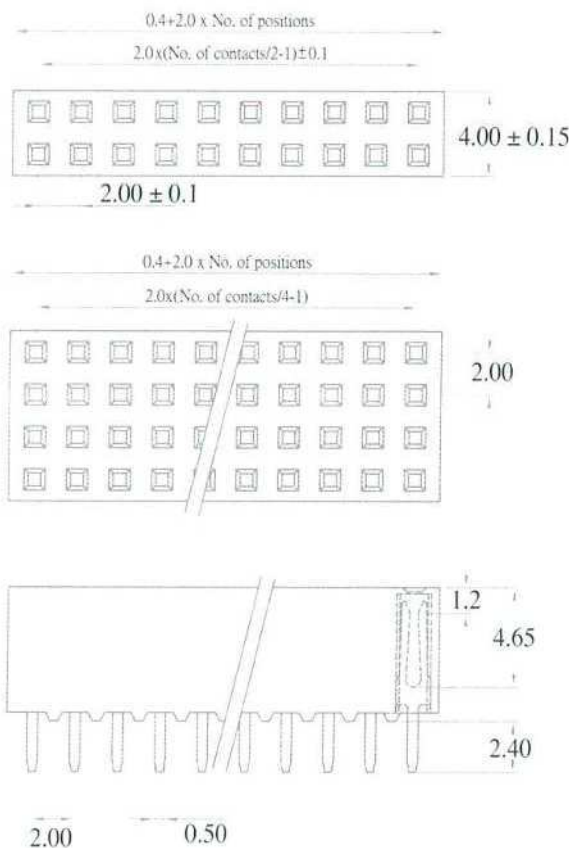
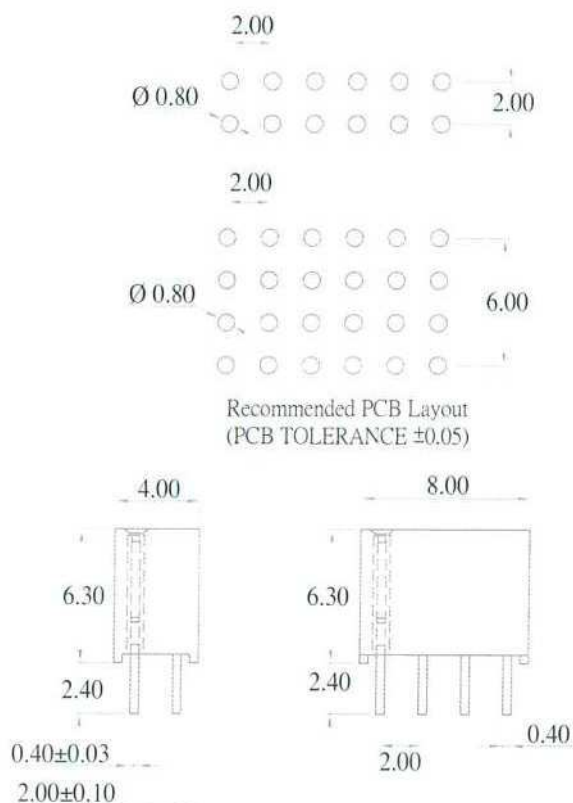
Current Rate: 1 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40 °C to +105 °C
 Max Processing Temp: 230 °C for 30 seconds

MATERIAL:

Insulator: Polyester, UL 94V-0
 ◎Standard: Nylon-6T
 Contact Pin: Phosphor Bronze
 Finish: Tin, Gold plated
 ◎Standard: Gold flash all over



RoHS Compliant



ORDERING CODE

PS2S63 - **X** **XX** **X** **B**

| | | | | |
|---------------------------------|------------------------------------|---|--|--------------------|
| 2: Dual row 4: Quadruple row | No. of contacts for row (06-30) | ◎G: Gold Flash GA: 5u" GB: 10u" GC: 20u" GD: 30u" T: Tin Plated TE: Tin 200u" | S: Selective SA: 5u" SB: 10u" SC: 20u" SD: 30u" | B: Black insulator |
|---------------------------------|------------------------------------|---|--|--------------------|

◎:Standard Recommend

P.C.B. CONNECTOR 2.54 mm

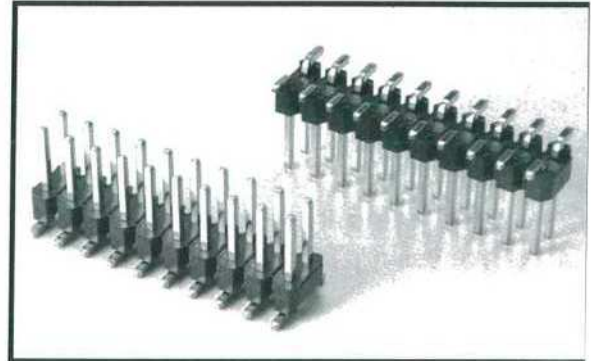
PIN HEADER 2.54 mm SMT PLASTIC TYPE - Height 1.5/1.7/2.5 mm

SPECIFICATION:

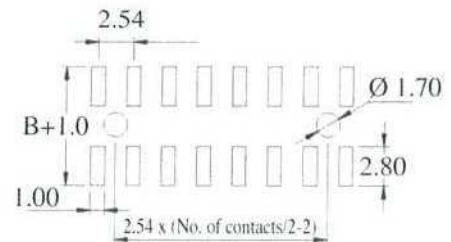
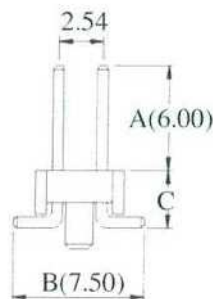
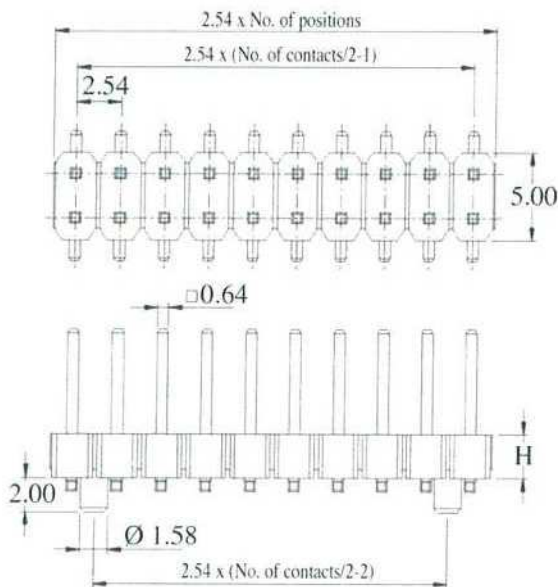
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 10 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: Polyester, UL 94V-0
 ©Standard: Nylon-6T
 Contact Pin: Brass
 Finish: Tin, Gold plated
 ©Standard: Gold flash all over



RoHS Compliant



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

| | Code | Dim A | Dim B | DIMENSION C | | |
|------------|------|-------|-------|-------------|-------|-------|
| | | | | H=1.5 | H=1.7 | H=2.5 |
| Single row | 600 | 6.00 | 5.00 | 2.3 | 2.5 | 3.3 |
| | 800 | 8.00 | 5.00 | | | |
| Dual row | 600 | 6.00 | 7.50 | | | |
| | 800 | 8.00 | 7.50 | | | |

ORDERING CODE

PH1M **XX** - **2** **XX** **X** **X** **X** **X** **X** **A/B/C**

- 1.5: Plastic Height H= 1.5 mm
1.7: Plastic Height H= 1.7 mm
2.5: Plastic Height H= 2.5 mm
- No. of contacts for row (02-50)
- ©G: Gold Flash S: Selective
 - GA: 5u" SA: 5u"
 - GB: 10u" SB: 10u"
 - GC: 20u" SC: 20u"
 - GD: 30u" SD: 30u"
 - T: Tin Plated
 - TE: Tin 200u"
- ©O: W/O Cap
C: With Cap
- ©B: Black insulator
W: White insulator
G: Nylon natural
- ©O: W/O Peg
P: With Peg
(for H=2.5 only)
- ©B: Bag Package
T: Tube
R: Taping & Reel
- Fill in dimension for special design

©:Standard Recommend

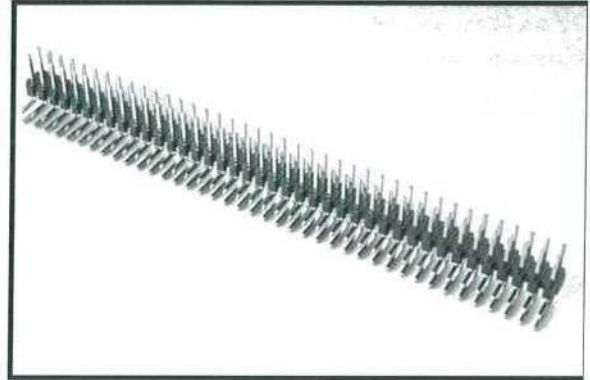
PIN HEADER 2.54 mm RIGHT ANGLE PLASTIC TYPE - Height 1.5/1.7/2.5 mm

SPECIFICATION:

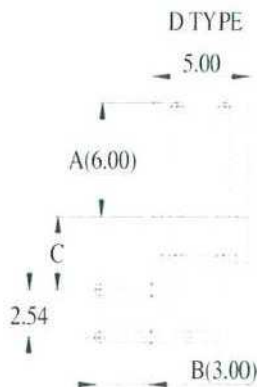
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 10 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 Contact Pin: Brass
 Finish: Tin, Gold plated
 ©Standard: Gold flash all over

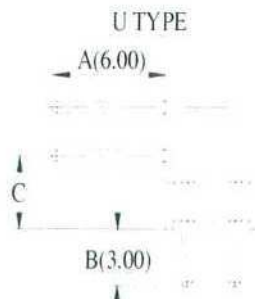


RoHS Compliant



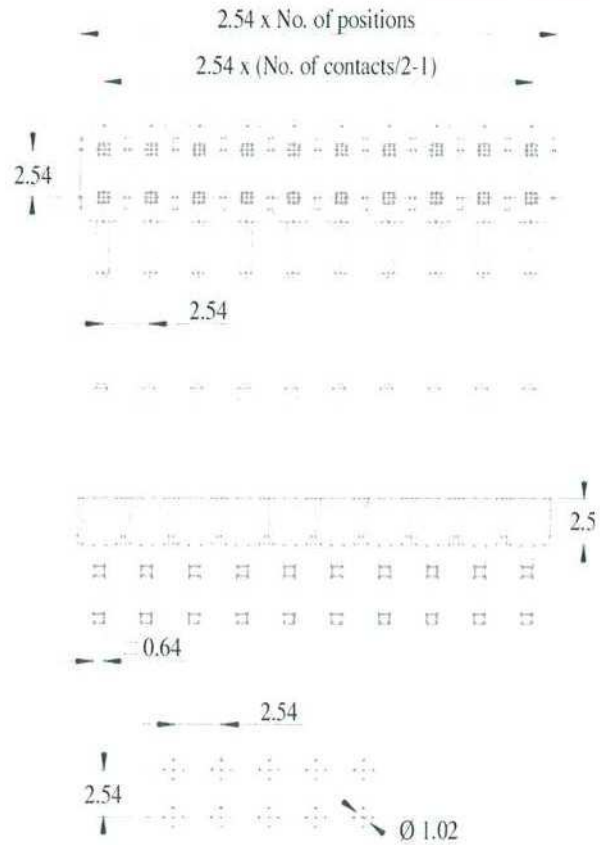
| Height | Dim C |
|--------|-------|
| 1.5 | 2.9 |
| 1.7 | 3.1 |
| 2.5 | 3.9 |

D TYPE



| Height | Dim C |
|--------|-------|
| 1.5 | 5.0 |
| 1.7 | 5.2 |
| 2.5 | 6.0 |

U TYPE



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

ORDERING CODE

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---------------------------------|---|-----------------------|---------------------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------------|--|---------------|--|--|----------------------------|------------------------|--------------------|--|------------------|--|--------------------------------------|
| PH1R | X | XX | - | 2 | XX | X | X | X | A/B/C | | | | | | | | | | | | | | | | |
| D: D Type U: U Type | 1.5: Plastic Height H= 1.5 mm 1.7: Plastic Height H= 1.7 mm 2.5: Plastic Height H= 2.5 mm | No. of contacts for row (02-50) | <table border="1"> <tr> <td>@G: Gold Flash</td> <td>S: Selective</td> </tr> <tr> <td>GA: 5u"</td> <td>SA: 5u"</td> </tr> <tr> <td>GB: 10u"</td> <td>SB: 10u"</td> </tr> <tr> <td>GC: 20u"</td> <td>SC: 20u"</td> </tr> <tr> <td>GD: 30u"</td> <td>SD: 30u"</td> </tr> <tr> <td colspan="2">T: Tin Plated</td> </tr> <tr> <td colspan="2">TE: Tin 200u"</td> </tr> </table> | @G: Gold Flash | S: Selective | GA: 5u" | SA: 5u" | GB: 10u" | SB: 10u" | GC: 20u" | SC: 20u" | GD: 30u" | SD: 30u" | T: Tin Plated | | TE: Tin 200u" | | <table border="1"> <tr> <td>@B: Block insulator</td> <td>@B: Bag Package</td> </tr> <tr> <td>W: White insulator</td> <td></td> </tr> <tr> <td>G: Nylon natural</td> <td></td> </tr> </table> | @B: Block insulator | @B: Bag Package | W: White insulator | | G: Nylon natural | | Fill in dimension for special design |
| @G: Gold Flash | S: Selective | | | | | | | | | | | | | | | | | | | | | | | | |
| GA: 5u" | SA: 5u" | | | | | | | | | | | | | | | | | | | | | | | | |
| GB: 10u" | SB: 10u" | | | | | | | | | | | | | | | | | | | | | | | | |
| GC: 20u" | SC: 20u" | | | | | | | | | | | | | | | | | | | | | | | | |
| GD: 30u" | SD: 30u" | | | | | | | | | | | | | | | | | | | | | | | | |
| T: Tin Plated | | | | | | | | | | | | | | | | | | | | | | | | | |
| TE: Tin 200u" | | | | | | | | | | | | | | | | | | | | | | | | | |
| @B: Block insulator | @B: Bag Package | | | | | | | | | | | | | | | | | | | | | | | | |
| W: White insulator | | | | | | | | | | | | | | | | | | | | | | | | | |
| G: Nylon natural | | | | | | | | | | | | | | | | | | | | | | | | | |

©:Standard Recommend

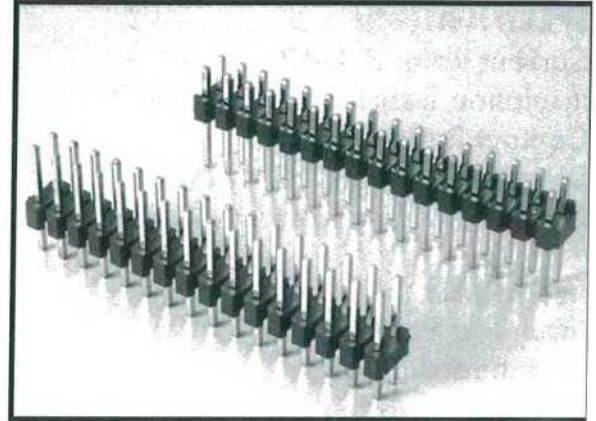
PIN HEADER 2.54 mm STRAIGHT PLASTIC TYPE - Height 1.5/1.7/2.5 mm

SPECIFICATION:

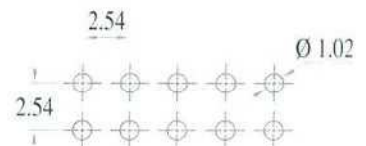
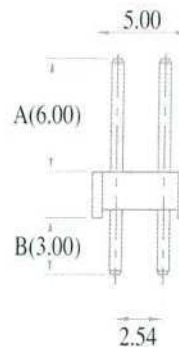
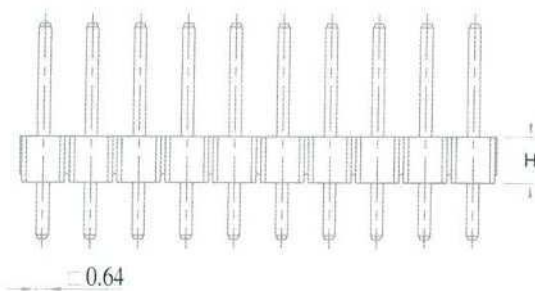
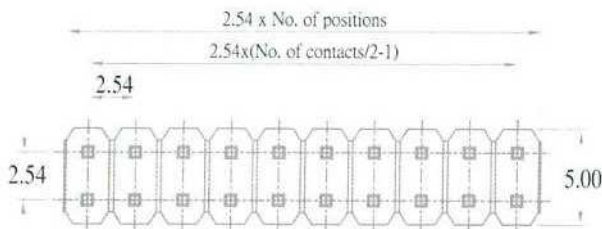
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 10 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 Contact Pin: Brass
 Finish: Tin, Gold plated
 ©Standard: Gold flash all over



RoHS Compliant



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

ORDERING CODE

| | | | | | | | |
|---|-----------|---------------------------------|----------|--|----------|---|------------|
| PH1S | XX | - | 2 | XX | X | X | A/B |
| 1.5: Plastic Height H= 1.5 mm 1.7: Plastic Height H= 1.7 mm 2.5: Plastic Height H= 2.5 mm | | No. of contacts for row (02-50) | | ©G: Gold Flash S: Selective GA: 5u" SA: 5u" GB: 10u" SB: 10u" GC: 20u" SC: 20u" GD: 30u" SD: 30u" T: Tin Plated TE: Tin 200u" | | ©B: Black insulator W: White insulator G: Nylon natural Fill in dimension for special design | |

©:Standard Recommend

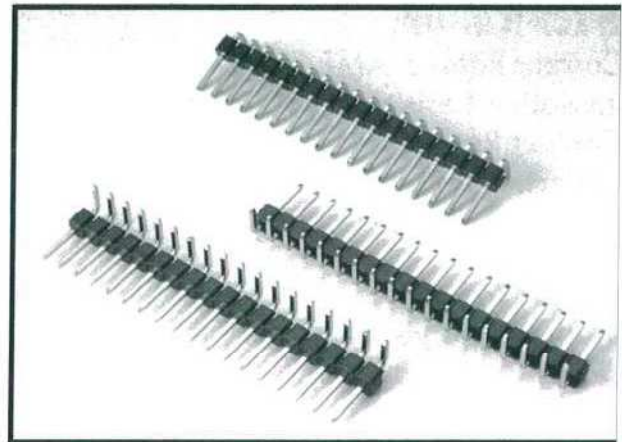
PIN HEADER 2.54 mm RIGHT ANGLE PLASTIC TYPE - Height 1.5/1.7/2.5 mm

SPECIFICATION:

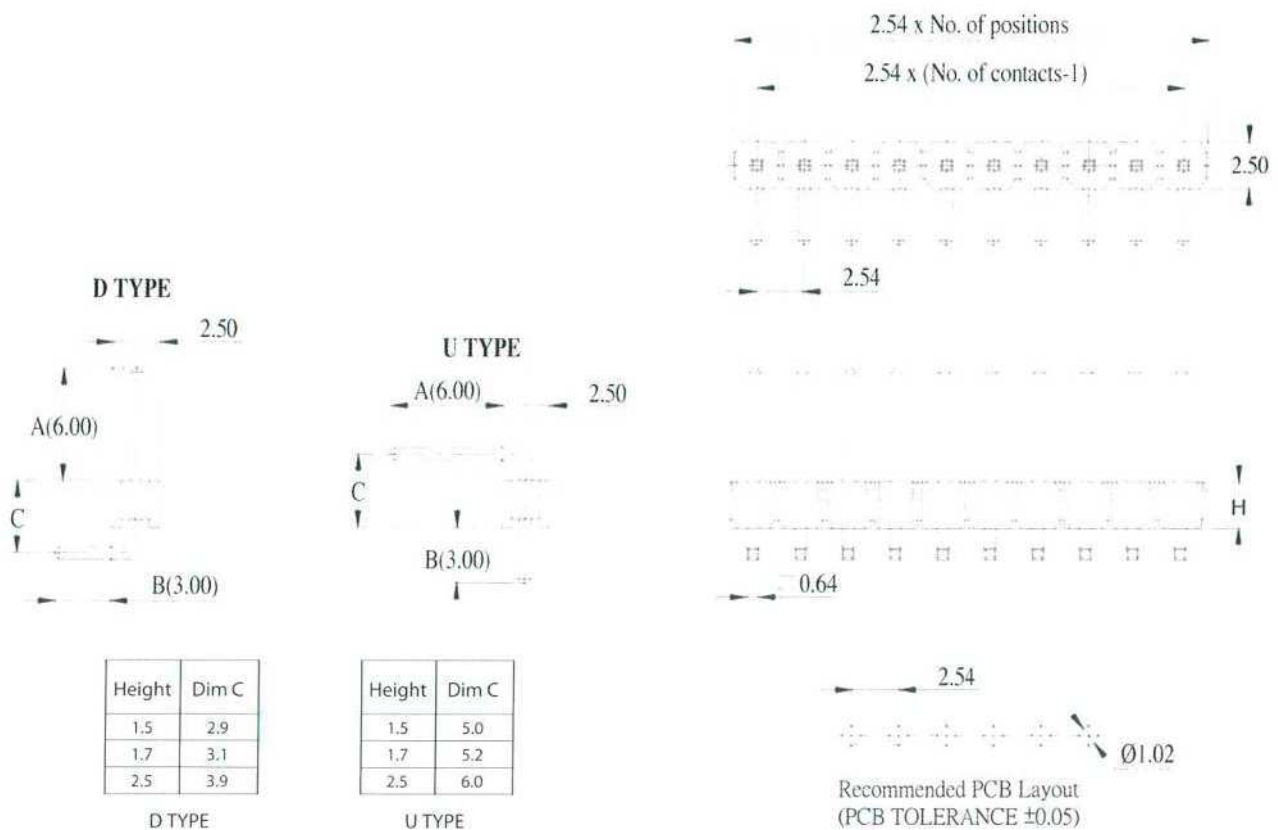
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 10 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40 °C to +105 °C

MATERIAL:

Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 Contact Pin: Brass
 Finish: Tin, Gold plated
 ©Standard: Gold flash all over



RoHS Compliant



ORDERING CODE

| | | | | | | | | | |
|------------------------|---|------------------------------------|--|---|-----------------|--------------------------------------|----------|----------|--------------|
| PH1R | X | XX | - | 1 | XX | X | X | X | A/B/C |
| D: D Type U: U Type | 1.5: Plastic Height H= 1.5 mm 1.7: Plastic Height H= 1.7 mm 2.5: Plastic Height H= 2.5 mm | No. of contacts for row (02-50) | ©G: Gold Flash GA: 5u" GB: 10u" GC: 20u" GD: 30u" S: Selective SA: 5u" SB: 10u" SC: 20u" SD: 30u" T: Tin Plated TE: Tin 200u" | ©B: Black insulator W: White insulator G: Nylon natural | ©B: Bag Package | Fill in dimension for special design | | | |

©:Standard Recommend

P.C.B. CONNECTOR 2.54 mm

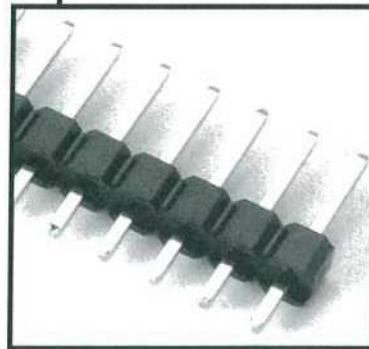
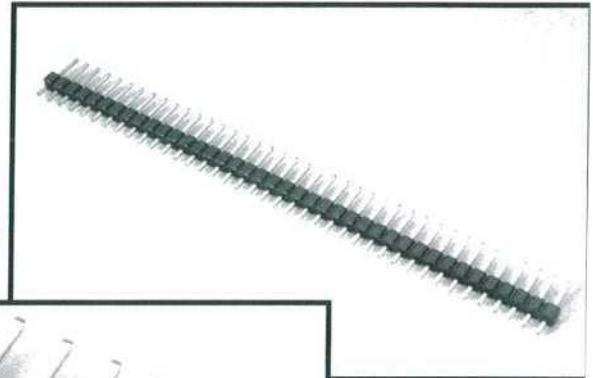
PIN HEADER 2.54 mm STRAIGHT PLASTIC TYPE - Height 1.5/1.7/2.5 mm

SPECIFICATION:

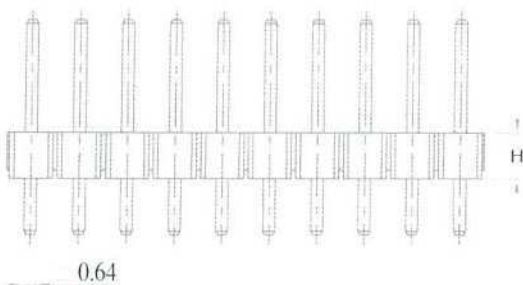
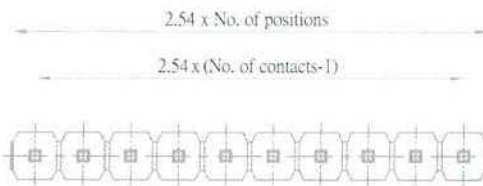
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 10 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 Contact Pin: Brass
 Finish: Tin, Gold plated
 ©Standard: Gold flash all over



RoHS Compliant



ORDERING CODE

| | | | | | | | |
|---|-----------|----------|----------|---------------------------------|---|---|--------------------------------------|
| PH1S | XX | - | 1 | XX | X | X | A/B |
| 1.5: Plastic Height H= 1.5 mm 1.7: Plastic Height H= 1.7 mm 2.5: Plastic Height H= 2.5 mm | | | | No. of contacts for row (02-50) | ©G: Gold Flash S: Selective GA: 5u" SA: 5u" GB: 10u" SB: 10u" GC: 20u" SC: 20u" GD: 30u" SD: 30u" T: Tin Plated TE: Tin 200u" | ©B: Black insulator W: White insulator G: Nylon natural | Fill in dimension for special design |

©:Standard Recommend

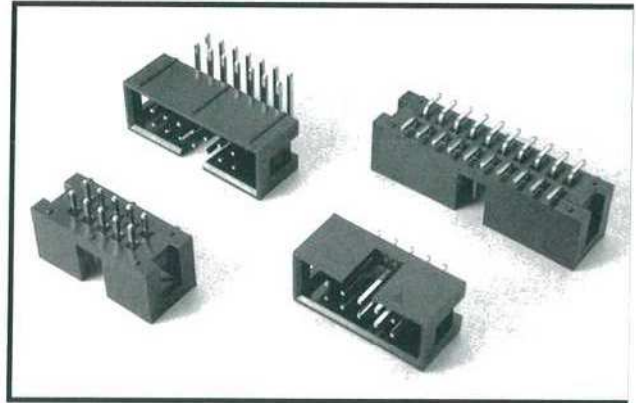
BOX HEADER 2.54 mm STRAIGHT/SMT/RIGHT ANGLE TYPE

SPECIFICATION:

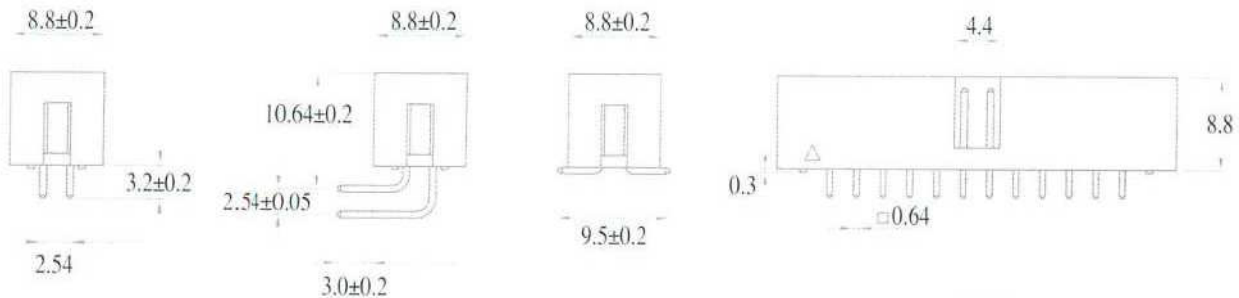
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 10 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40 °C to +105 °C

MATERIAL:

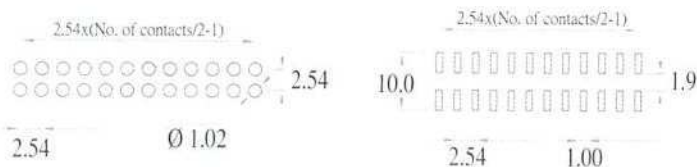
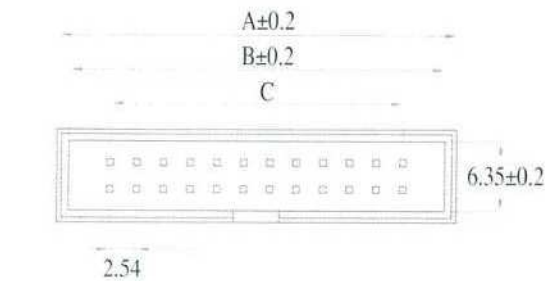
Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 SMT: Nylon-6T
 Contact Pin: Brass



RoHS Compliant



| No. of contacts | Dim A | Dim B | Dim C |
|-----------------|-------|-------|-------|
| 6 | 12.66 | 10.26 | 5.08 |
| 8 | 15.20 | 12.80 | 7.62 |
| 10 | 20.30 | 18.10 | 10.16 |
| 12 | 22.84 | 20.64 | 12.70 |
| 14 | 25.38 | 23.18 | 15.24 |
| 16 | 27.92 | 25.72 | 17.78 |
| 20 | 33.00 | 30.80 | 22.85 |
| 24 | 38.08 | 35.88 | 27.94 |
| 26 | 40.62 | 38.42 | 30.48 |
| 30 | 45.70 | 43.50 | 35.56 |
| 34 | 50.80 | 48.58 | 40.64 |
| 40 | 58.40 | 56.20 | 48.26 |
| 44 | 63.48 | 67.28 | 53.34 |
| 50 | 71.10 | 68.90 | 60.96 |
| 56 | 78.72 | 76.52 | 68.58 |
| 60 | 83.80 | 81.60 | 73.66 |
| 64 | 88.88 | 86.68 | 78.74 |



Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

ORDERING CODE

BH1 **X** **-** **XX** **X** **X** **X** **X**

S: Straight
 R: Right angle
 M: SMT

No. of contacts

ⓄG: Gold Flash **S: Selective**
 GA: 5u" SA: 5u"
 GB: 10u" SB: 10u"
 GC: 20u" SC: 20u"
 GD: 30u" SD: 30u"
T: Tin Plated
 TE: Tin 200u"

ⓄB: Black insulator
 W: White insulator
 G: Gray insulator
 U: Blue insulator

ⓄO: W/O Cap
 C: With Cap

ⓄT: Tube
 R: Taping & Reel
 B: Bag Package
 (Option for SMT only)

©:Standard Recommend

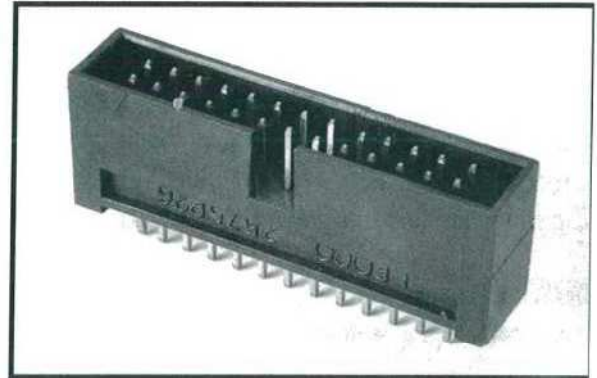
BOX HEADER 2.54 mm ELEVATED STRAIGHT/SMT TYPE

SPECIFICATION:

Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 10 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40°C to +105°C

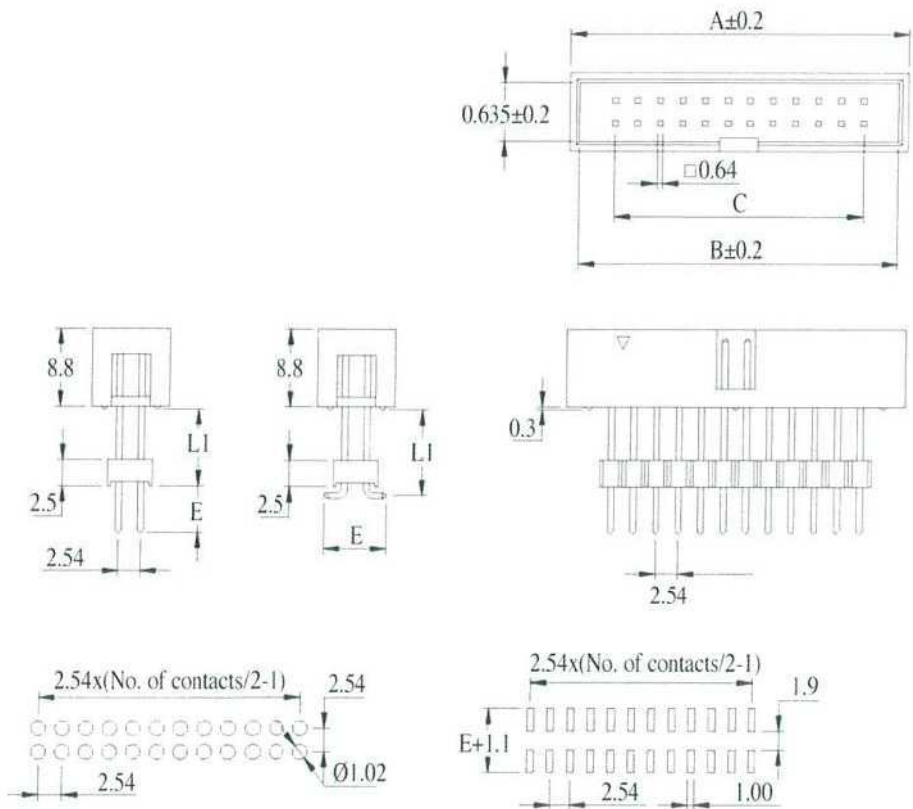
MATERIAL:

Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 Contact Pin: Brass



RoHS Compliant

| No. of contacts | Dim A | Dim B | Dim C |
|-----------------|-------|-------|-------|
| 6 | 12.66 | 10.26 | 5.08 |
| 8 | 15.20 | 12.80 | 7.62 |
| 10 | 20.30 | 18.10 | 10.16 |
| 12 | 22.84 | 20.64 | 12.70 |
| 14 | 25.38 | 23.18 | 15.24 |
| 16 | 27.92 | 25.72 | 17.78 |
| 20 | 33.00 | 30.80 | 22.85 |
| 24 | 38.08 | 35.88 | 27.94 |
| 26 | 40.62 | 38.42 | 30.48 |
| 30 | 45.70 | 43.50 | 35.56 |
| 34 | 50.80 | 48.58 | 40.64 |
| 40 | 58.40 | 56.20 | 48.26 |
| 44 | 63.48 | 67.28 | 53.34 |
| 50 | 71.10 | 68.90 | 60.96 |
| 56 | 78.72 | 76.52 | 68.58 |
| 60 | 83.80 | 81.60 | 73.66 |
| 64 | 88.88 | 86.68 | 78.74 |



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

ORDERING CODE

BH1E **X** **-** **XX** **X** **X** **X** **X** **L1**

S: Straight
M: SMT

No. of contacts

©G: Gold Flash **S: Selective**
 GA: 5u" SA: 5u"
 GB: 10u" SB: 10u"
 GC: 20u" SC: 20u"
 GD: 30u" SD: 30u"
T: Tin Plated
 TE: Tin 200u"

©B: Black insulator
W: White insulator
G: Gray insulator
U: Blue insulator

©O: W/O Cap
C: With Cap

©T: Tube
R: Taping & Reel
B: Bag Package
 (Option for SMT only)

Fill in dimension for special design

©:Standard Recommend

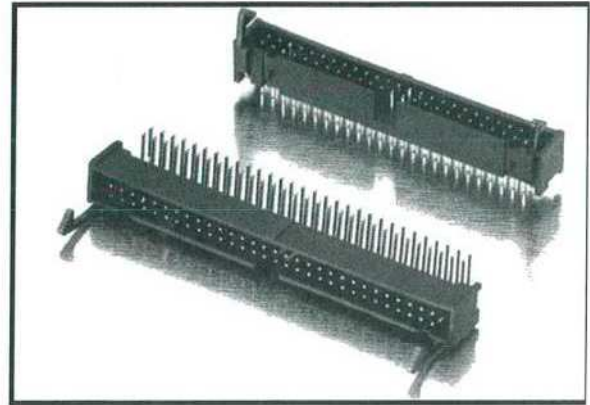
EJECTOR HEADER 2.54 mm SIDE LATCH TYPE

SPECIFICATION:

Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 10 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40°C to +105°C

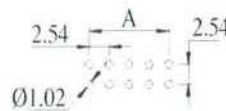
MATERIAL:

Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 Contact Material: Copper alloy
 Finish: Tin, Gold or Duplex plated
 ©Standard: Gold flash all over

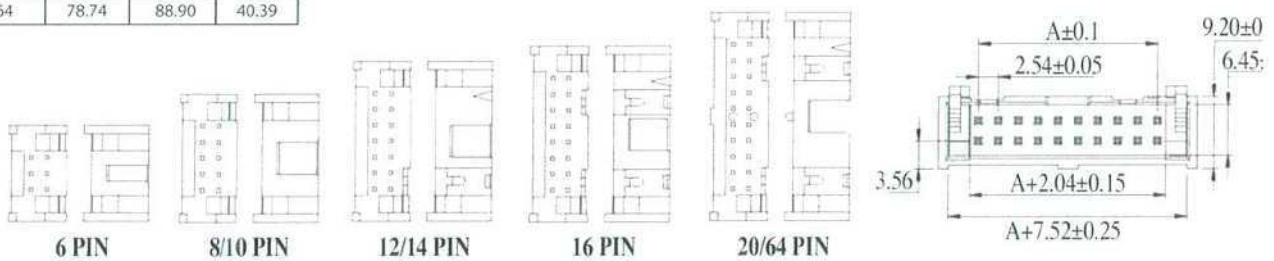
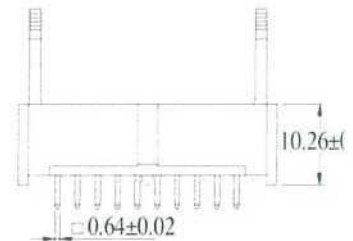
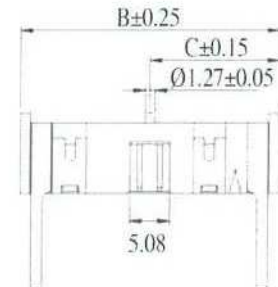
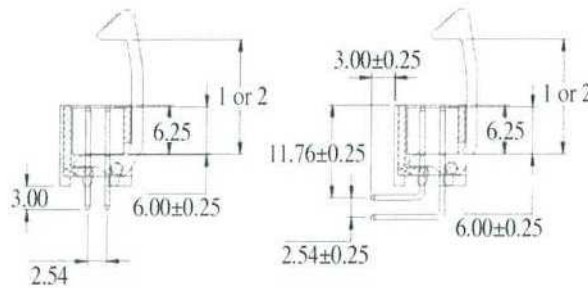


RoHS Compliant

| No. of contacts | Dim A | Dim B | Dim C |
|-----------------|-------|-------|-------|
| 6 | 5.08 | 15.24 | - |
| 8 | 7.62 | 17.78 | - |
| 10 | 10.16 | 20.32 | - |
| 12 | 12.70 | 22.86 | - |
| 14 | 16.24 | 25.40 | - |
| 16 | 17.78 | 27.94 | - |
| 20 | 22.86 | 33.02 | 12.45 |
| 24 | 27.94 | 38.10 | 14.99 |
| 26 | 30.48 | 40.64 | 14.99 |
| 30 | 35.56 | 45.72 | 17.53 |
| 34 | 40.64 | 50.80 | 20.07 |
| 36 | 43.18 | 53.34 | 22.61 |
| 40 | 48.26 | 48.42 | 25.15 |
| 44 | 53.34 | 63.50 | 27.69 |
| 50 | 60.96 | 71.12 | 30.23 |
| 56 | 68.58 | 78.74 | 35.31 |
| 60 | 73.66 | 83.82 | 37.85 |
| 64 | 78.74 | 88.90 | 40.39 |



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)



ORDERING CODE

| | | | | | | | |
|-------------------------------|----------|-----------------|----------|---|----------|----------------------------|----------|
| EDH1 | X | SL | - | XX | X | X | X |
| S: Straight R: Right angle | | No. of contacts | | ©G: Gold Flash S: Selective GA: 5u" SA: 5u" GB: 10u" SB: 10u" GC: 20u" SC: 20u" GD: 30u" SD: 30u" T: Tin Plated TE: Tin 200u" | | B: Black insulator | |
| | | | | | | 1: 14.55 mm 2: 10.65 mm | |

©:Standard Recommend

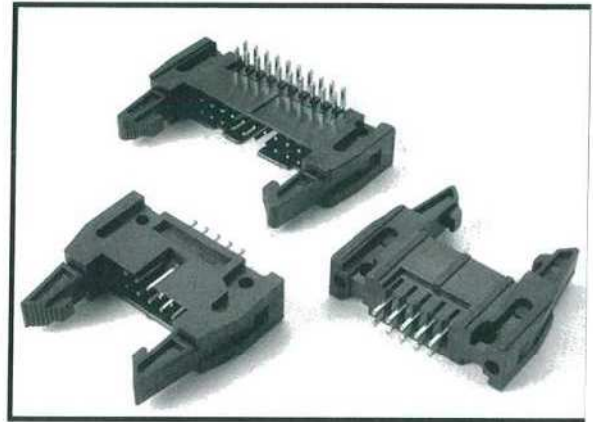
EJECTOR HEADER 2.54 mm STRAIGHT/RIGHT ANGLE TYPE

SPECIFICATION:

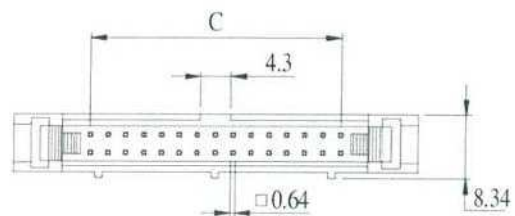
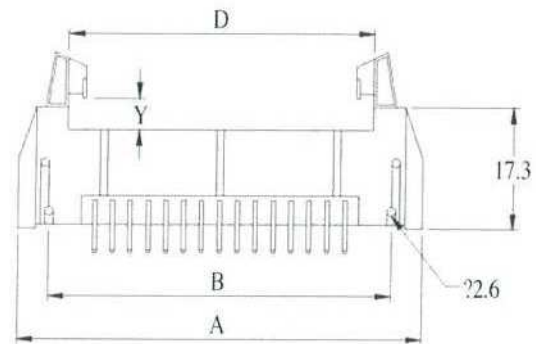
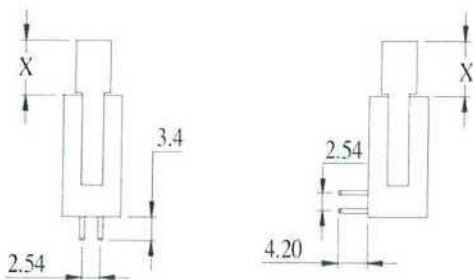
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 10 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 Contact Pin: Brass

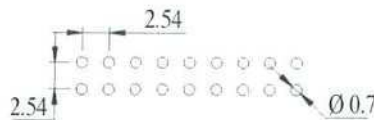


RoHS Compliant



| No. of contacts | A | B | C | D |
|-----------------|--------|-------|-------|-------|
| 10 | 32.00 | 21.84 | 10.16 | 17.96 |
| 12 | 34.54 | 24.38 | 12.70 | 20.50 |
| 14 | 37.08 | 26.92 | 15.24 | 23.04 |
| 16 | 39.62 | 29.46 | 17.78 | 25.58 |
| 20 | 44.70 | 34.54 | 22.86 | 30.33 |
| 24 | 49.78 | 39.62 | 27.94 | 35.74 |
| 26 | 52.32 | 42.16 | 30.48 | 38.28 |
| 30 | 57.40 | 47.24 | 35.56 | 43.36 |
| 34 | 62.48 | 52.32 | 40.64 | 48.44 |
| 40 | 70.10 | 59.94 | 48.26 | 56.06 |
| 50 | 82.80 | 72.64 | 60.96 | 68.76 |
| 60 | 95.50 | 85.34 | 73.66 | 81.46 |
| 64 | 100.58 | 90.42 | 78.74 | 86.54 |

| TYPE | LONG | SHORT |
|------|-------|-------|
| X | 10.60 | 7.25 |
| Y | 7.80 | 4.45 |



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

ORDERING CODE

EDH1 **X** **-** **XX** **X** **X** **X**

S: Straight
R: Right angle

No. of contacts

©G: Gold Flash S: Selective
 GA: 5u" SA: 5u"
 GB: 10u" SB: 10u"
 GC: 20u" SC: 20u"
 GD: 30u" SD: 30u"

T: Tin Plated
 TE: Tin 200u"

©B: Black insulator
 U: Blue insulator
 Y: Gray insulator

1: Long ejector
 2: Short ejector

©:Standard Recommend

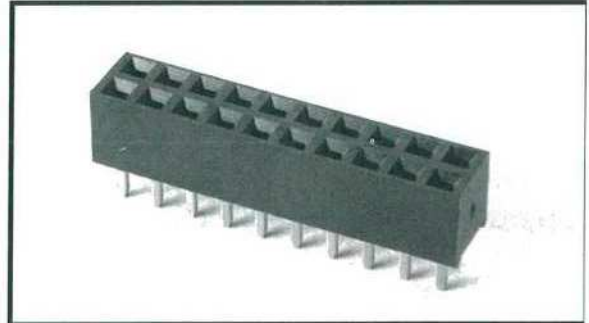
FEMALE HEADER 2.54 mm STRAIGHT PLASTIC TYPE - Height 5.7 mm

SPECIFICATION:

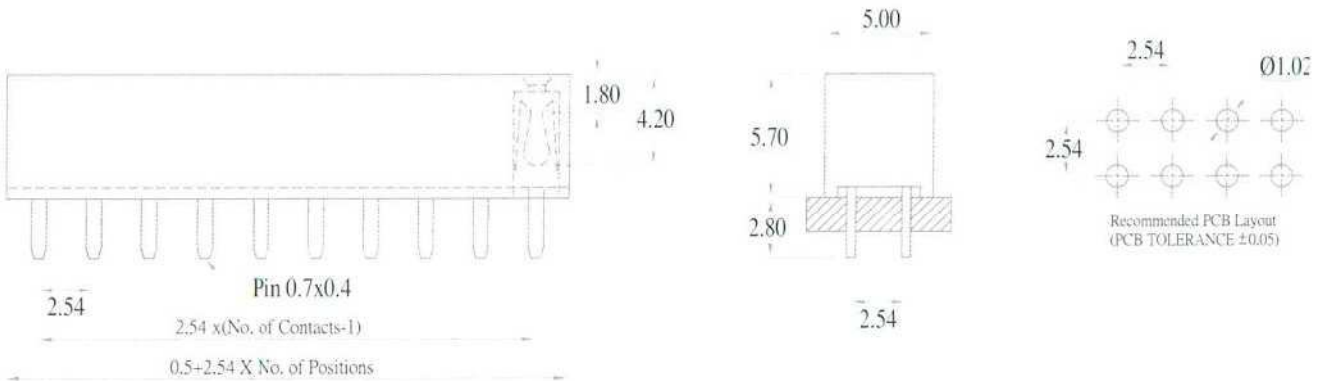
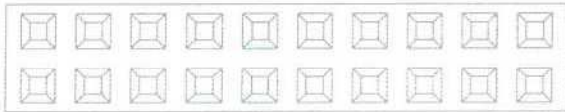
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 Contact Material: Phosphor Bronze
 Finish: Gold plated
 ©Standard: Gold flash all over



RoHS Compliant



ORDERING CODE

| | | | | | | | | | | | | | | | | | | | |
|-----------------------|---------------------|-----------------------------------|--|-----------------------|---------------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------------|--|---------------------|--|--------------------|--|
| PS1S57 | - | 2 | XX | X | B | | | | | | | | | | | | | | |
| | | No. of contacts for row (02 ~ 40) | <table border="1"> <tr> <td>@G: Gold Flash</td> <td>S: Selective</td> </tr> <tr> <td>GA: 5μ"</td> <td>SA: 5μ"</td> </tr> <tr> <td>GB: 10μ"</td> <td>SB: 10μ"</td> </tr> <tr> <td>GC: 20μ"</td> <td>SC: 20μ"</td> </tr> <tr> <td>GD: 30μ"</td> <td>SD: 30μ"</td> </tr> <tr> <td colspan="2">T: Tin Plated</td> </tr> <tr> <td colspan="2">TE: Tin 200μ"</td> </tr> </table> | @G: Gold Flash | S: Selective | GA: 5 μ " | SA: 5 μ " | GB: 10 μ " | SB: 10 μ " | GC: 20 μ " | SC: 20 μ " | GD: 30 μ " | SD: 30 μ " | T: Tin Plated | | TE: Tin 200 μ " | | B: Black insulator | |
| @G: Gold Flash | S: Selective | | | | | | | | | | | | | | | | | | |
| GA: 5 μ " | SA: 5 μ " | | | | | | | | | | | | | | | | | | |
| GB: 10 μ " | SB: 10 μ " | | | | | | | | | | | | | | | | | | |
| GC: 20 μ " | SC: 20 μ " | | | | | | | | | | | | | | | | | | |
| GD: 30 μ " | SD: 30 μ " | | | | | | | | | | | | | | | | | | |
| T: Tin Plated | | | | | | | | | | | | | | | | | | | |
| TE: Tin 200 μ " | | | | | | | | | | | | | | | | | | | |

©:Standard Recommend

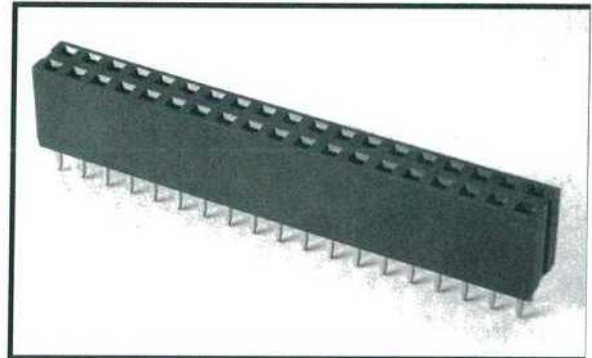
FEMALE HEADER 2.54 mm STRAIGHT/RIGHT ANGLE PLASTIC TYPE - Height 8.5 mm

SPECIFICATION:

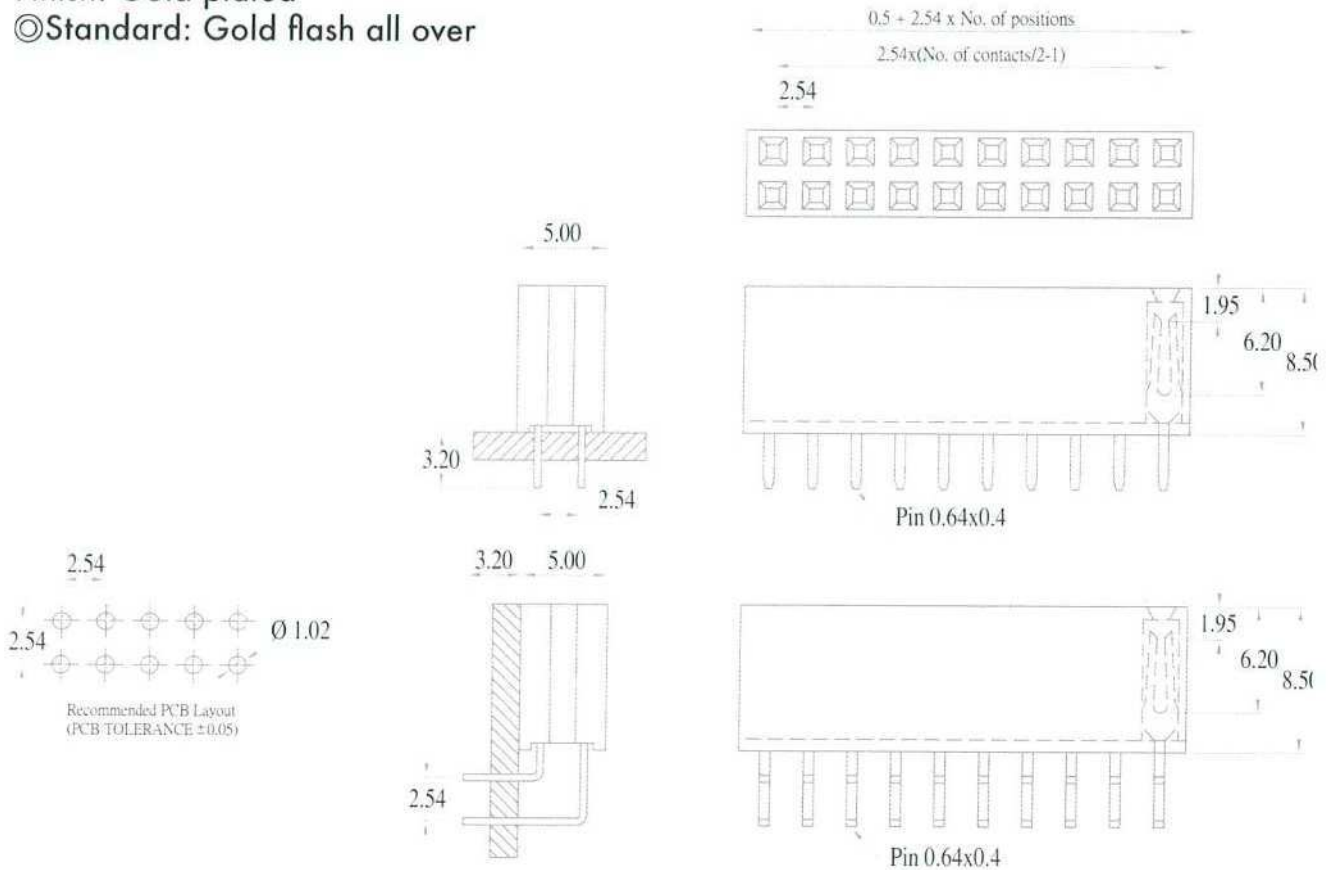
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40 °C to +105 °C

MATERIAL:

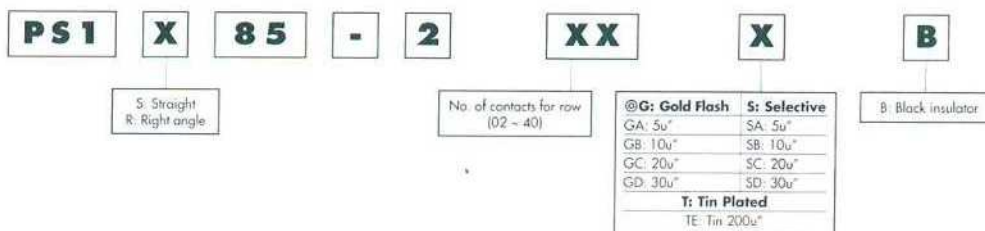
Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 Contact Material: Phosphor Bronze
 Finish: Gold plated
 ©Standard: Gold flash all over



RoHS Compliant



ORDERING CODE



©:Standard Recommend

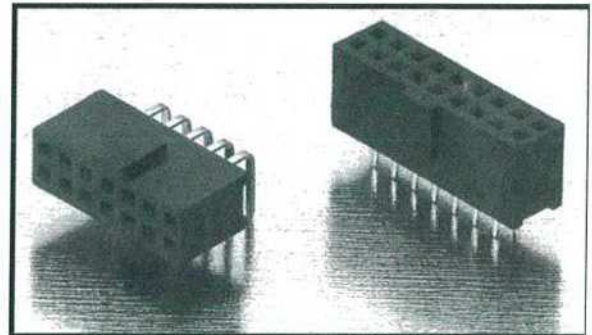
FEMALE HEADER 2.54 mm POLARIZATION STRAIGHT/RIGHT ANGLE TYPE

SPECIFICATION:

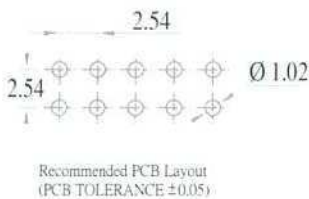
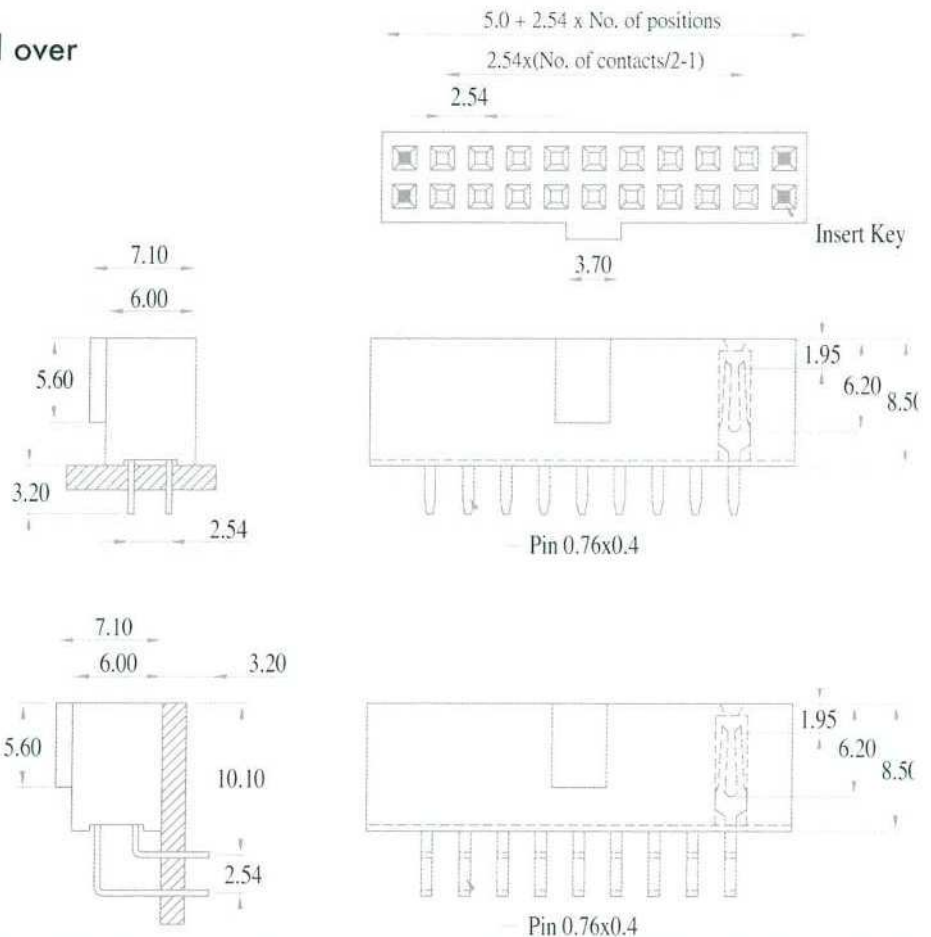
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: Polyester, UL 94V-0
 ◎Standard: P.B.T
 Contact Material: Phosphor Bronze
 Finish: Gold plated
 ◎Standard: Gold flash all over



RoHS Compliant



ORDERING CODE

| | | | | | | | | |
|------------|-------------------------------|------------|----------|---|---|--|--------------------|----------------------------|
| PS1 | X | 85B | - | 2 | XX | X | B | X |
| | S: Straight R: Right angle | | | No. of contacts for row (03, 04, 05, 07, 08, 10, 12, 13, 15, 17, 20, 22, 24, 25, 30) | ◎G: Gold Flash GA: 5u" GB: 10u" GC: 20u" GD: 30u" T: Tin Plated TE: Tin 200u" | S: Selective SA: 5u" SB: 10u" SC: 20u" SD: 30u" | B: Black insulator | ◎1: With Key 2: W/o Key |

◎:Standard Recommend

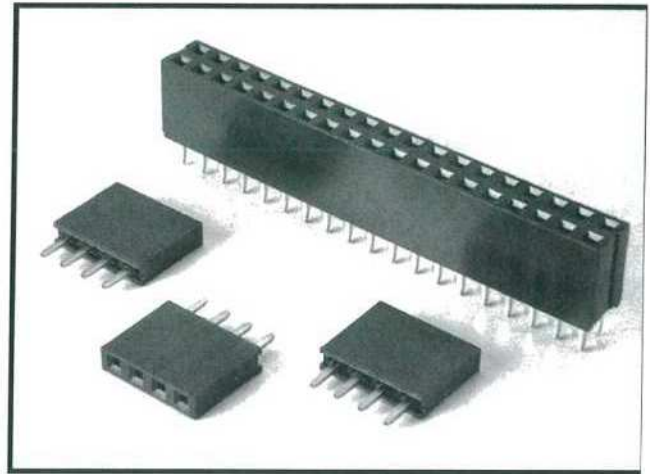
FEMALE HEADER 2.54 mm STRAIGHT PLASTIC TYPE - Height 7.1 mm

SPECIFICATION:

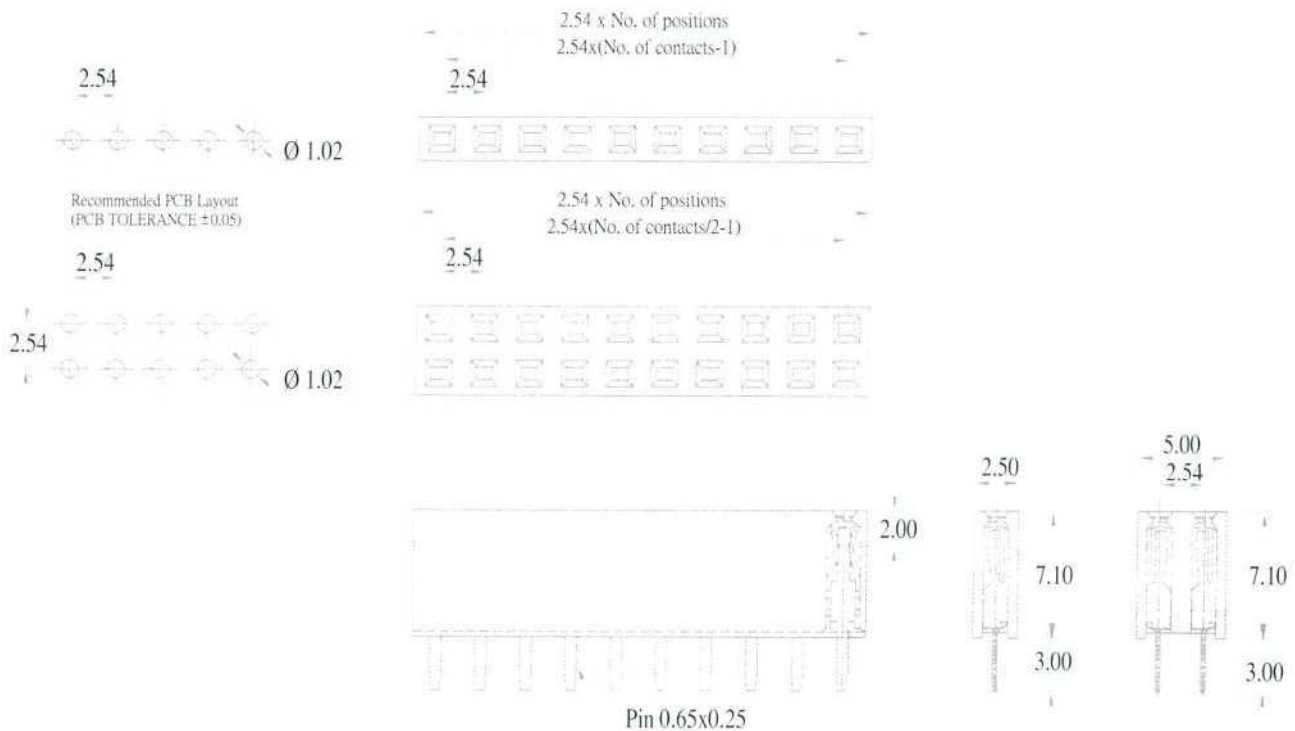
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

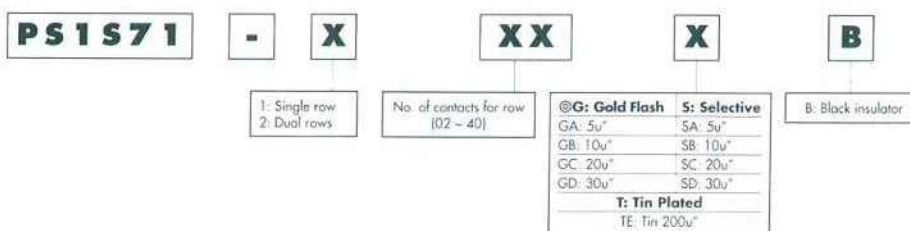
Insulator: Polyester, UL 94V-0
 ©Standard: P.B.T
 Contact Material: Phosphor Bronze
 Finish: Gold plated
 ©Standard: Gold flash all over



RoHS Compliant



ORDERING CODE



©:Standard Recommend

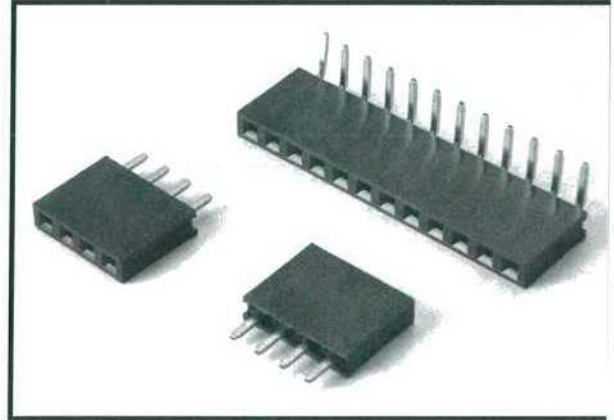
FEMALE HEADER 2.54 mm STRAIGHT/RIGHT ANGLE PLASTIC TYPE - Height 8.5 mm

SPECIFICATION:

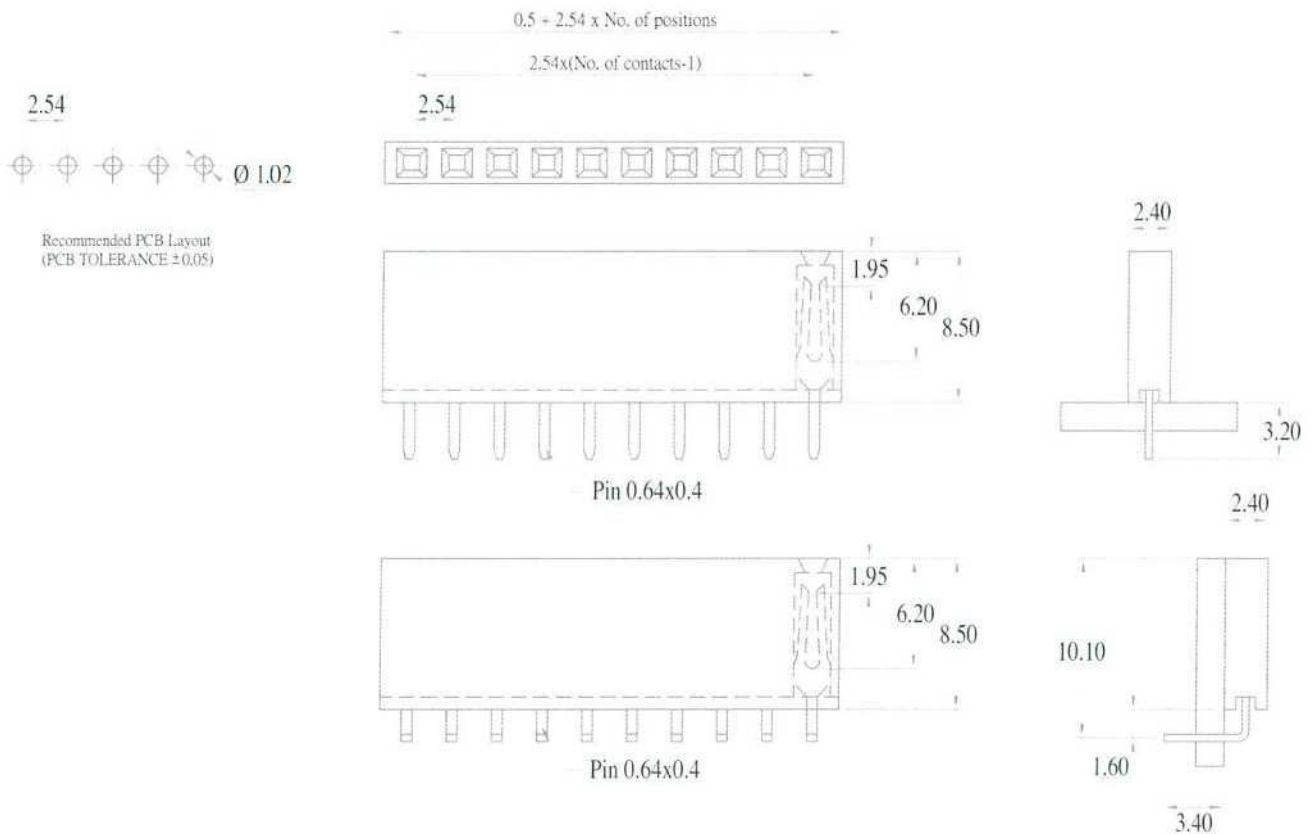
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

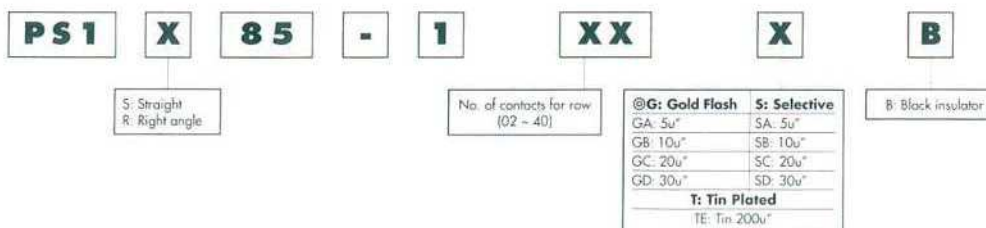
Insulator: Polyester, UL 94V-0
 ◎Standard: P.B.T
 Contact Material: Phosphor Bronze
 Finish: Tin, Gold or Duplex plated
 ◎Standard: Gold flash all over



RoHS Compliant



ORDERING CODE



◎: Standard Recommend

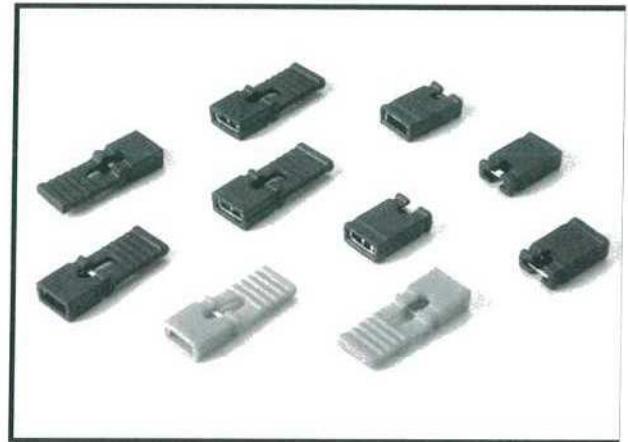
MINI JUMPER 2.54 mm

SPECIFICATION:

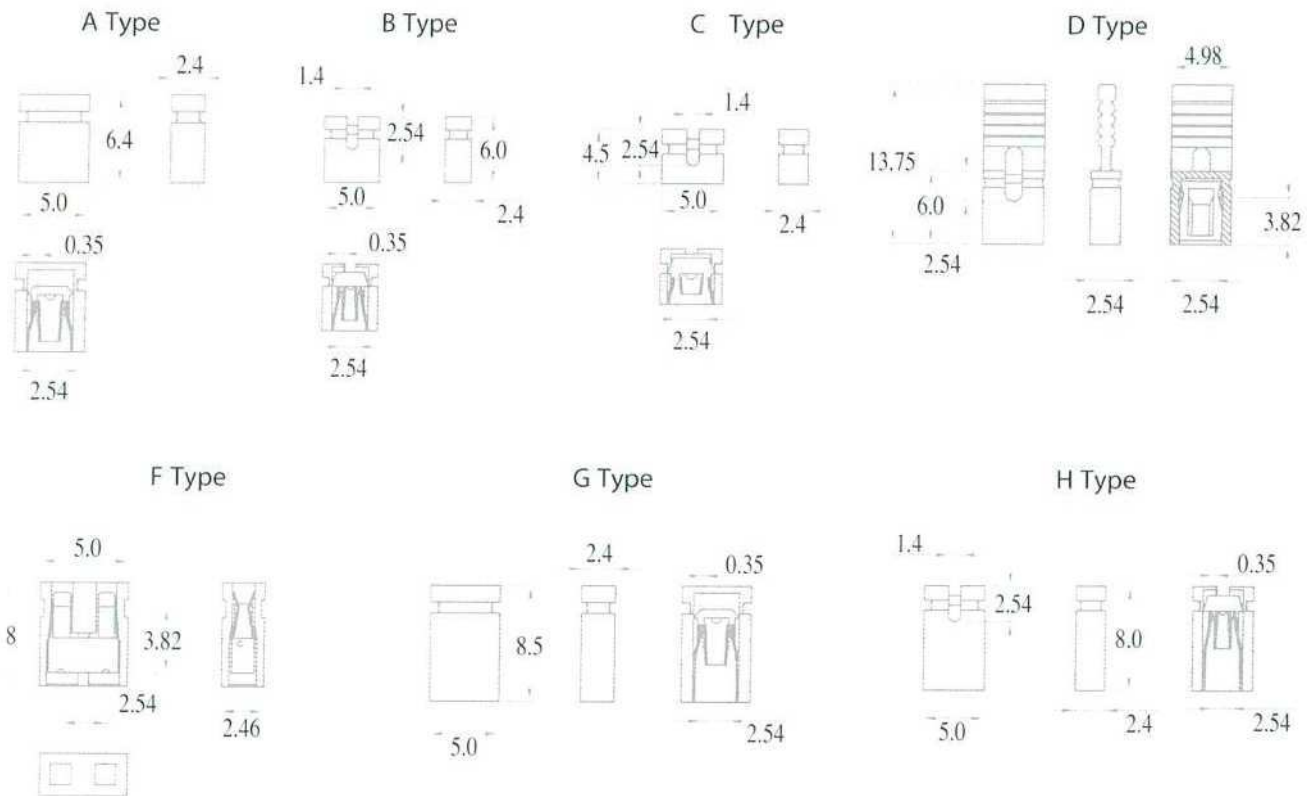
Current Rate: 3 AMP
 Insulation Resistance: 5000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 100 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: P.B.T + 30% Glass fiber, UL 94V-0
 Contact Pin: Phosphor Bronze or Brass
 Contact Plated: Gold over Nickel or Tin



RoHS Compliant



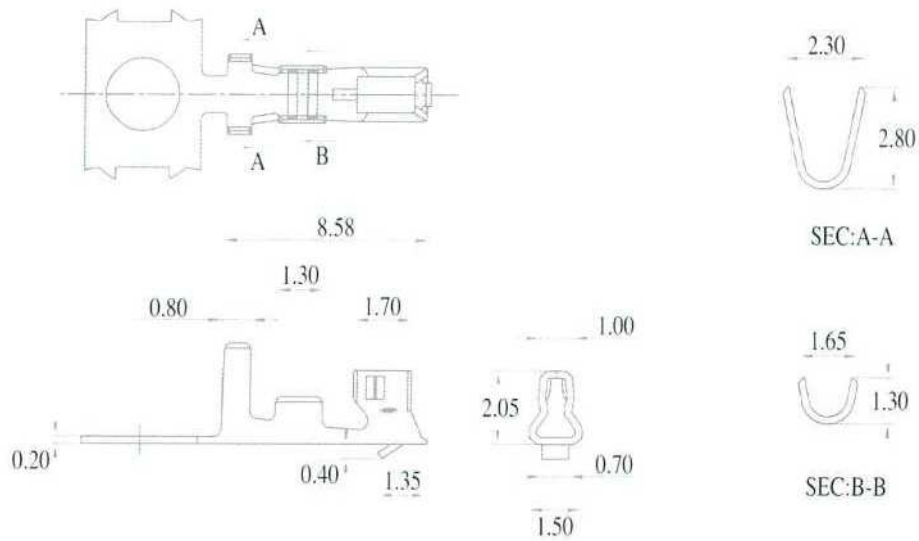
ORDERING CODE

| | | | | | |
|---------------------------------|--|---|---|---|----------|
| MJ1 | X | - | X | X | X |
| ©B: Brass P: Phosphor Bronze | A: Close 6.5 mm B: Open 6.0 mm C: Open 4.5 mm D: With handle 13.75 mm F: Close 6.0 mm G: Close 8.5 mm H: Open 8.0 mm | ©G: Gold Flash GA: 5u" GB: 10u" GC: 20u" GD: 30u" T: Tin Plated TE: Tin 200u" | S: Selective SA: 5u" SB: 10u" SC: 20u" SD: 30u" | ©B: Black insulator U: Blue insulator G: Grey insulator R: Red insulator E: Green insulator W: White insulator | |

©: Standard Recommend

HOUSING WAFER TERMINAL 2.0 mm

TERMINAL 2.0 mm 2001-T



| | | | | |
|------------|-----------------|-----------------|------------|-----------|
| Wire Range | Insulation O.D. | Material | Finish | Qty/reel |
| AWG#24-#28 | 1.40mm(max) | Phosphor Bronze | Tin-plated | 10,000pcs |

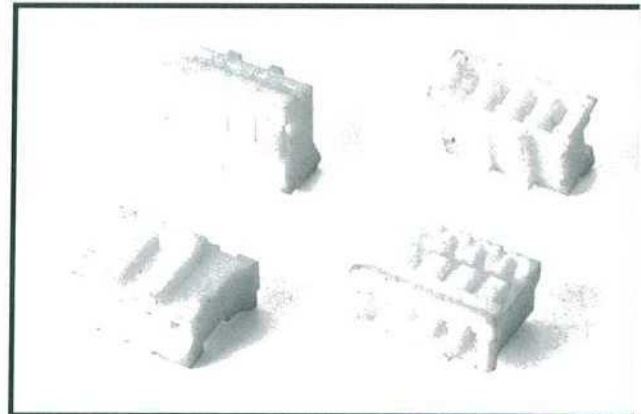
HOUSING 2.0 mm 2001H-XXW

SPECIFICATION:

Current Rating: 1 AMP AC, DC
 Voltage Rating: 100 V AC, DC
 Temperature Range: -25°C to +85°C
 Contact Resistance: 20 m Ω Max.
 Insulation Resistance: 1000 M Ω Min.
 Withstanding voltage: 800 V AC/minute

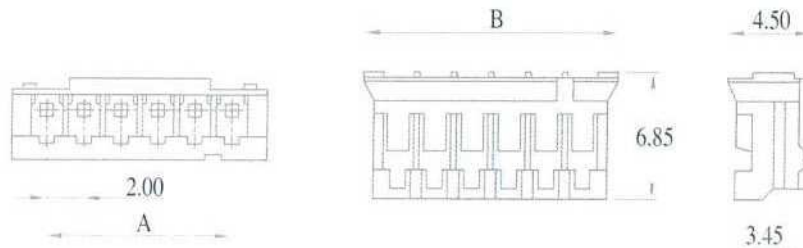
MATERIAL:

Insulator: Nylon 66, UL94V-0



RoHS Compliant

| PART NO. | Dimensions | |
|-----------|------------|-------|
| | A | B |
| 2001H-02W | 2.00 | 5.80 |
| 2001H-03W | 4.00 | 7.80 |
| 2001H-04W | 6.00 | 9.80 |
| 2001H-05W | 8.00 | 11.80 |
| 2001H-06W | 10.00 | 13.80 |
| 2001H-07W | 12.00 | 15.80 |
| 2001H-08W | 14.00 | 17.80 |
| 2001H-09W | 16.00 | 19.80 |
| 2001H-10W | 18.00 | 21.80 |
| 2001H-11W | 20.00 | 23.80 |
| 2001H-12W | 22.00 | 25.80 |
| 2001H-13W | 24.00 | 27.80 |
| 2001H-14W | 26.00 | 29.80 |
| 2001H-15W | 28.00 | 31.80 |
| 2001H-16W | 30.00 | 33.80 |



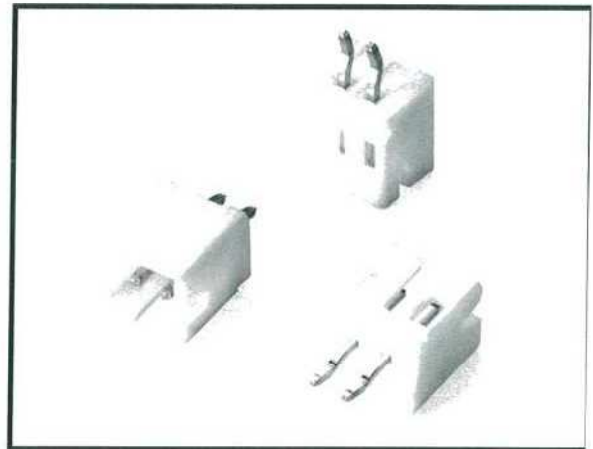
WAFER RIGHT ANGLE 2.0 mm 2001R-XXTW

SPECIFICATION:

Current Rating: 1 AMP AC, DC
Voltage Rating: 1000 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 800 V AC/minute

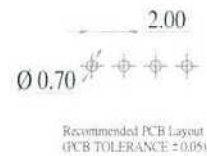
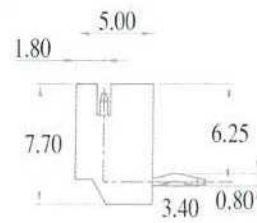
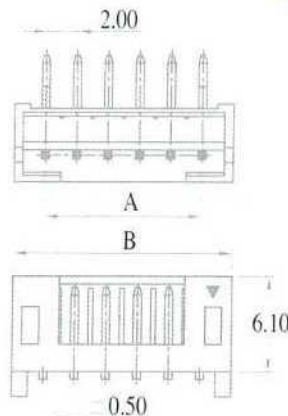
MATERIAL:

Insulator: Nylon 66, UL94V-0
Contact Pin: Brass, Tin-plated



RoHS Compliant

| PART NO. | Dimensions | |
|------------|------------|-------|
| | A | B |
| 2001R-02TW | 2.00 | 6.00 |
| 2001R-03TW | 4.00 | 8.00 |
| 2001R-04TW | 6.00 | 10.00 |
| 2001R-05TW | 8.00 | 12.00 |
| 2001R-06TW | 10.00 | 14.00 |
| 2001R-07TW | 12.00 | 16.00 |
| 2001R-08TW | 14.00 | 18.00 |
| 2001R-09TW | 16.00 | 20.00 |
| 2001R-10TW | 18.00 | 22.00 |
| 2001R-11TW | 20.00 | 24.00 |
| 2001R-12TW | 22.00 | 26.00 |
| 2001R-13TW | 24.00 | 28.00 |
| 2001R-14TW | 26.00 | 30.00 |
| 2001R-15TW | 28.00 | 32.00 |
| 2001R-16TW | 30.00 | 34.00 |



WAFER STRAIGHT 2.0 mm 2001S-XXTW

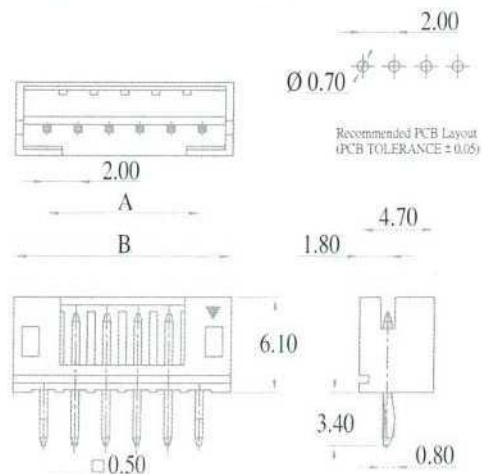
SPECIFICATION:

Current Rating: 1 AMP AC, DC
Voltage Rating: 1000 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 800 V AC/minute

MATERIAL:

Insulator: Nylon 66, UL94V-0
Contact Pin: Brass, Tin-plated

| PART NO. | Dimensions | | PART NO. | Dimensions | |
|------------|------------|-------|------------|------------|-------|
| | A | B | | A | B |
| 2001S-02TW | 2.00 | 6.00 | 2001S-10TW | 18.00 | 22.00 |
| 2001S-03TW | 4.00 | 8.00 | 2001S-11TW | 20.00 | 24.00 |
| 2001S-04TW | 6.00 | 10.00 | 2001S-12TW | 22.00 | 26.00 |
| 2001S-05TW | 8.00 | 12.00 | 2001S-13TW | 24.00 | 28.00 |
| 2001S-06TW | 10.00 | 14.00 | 2001S-14TW | 26.00 | 30.00 |
| 2001S-07TW | 12.00 | 16.00 | 2001S-15TW | 28.00 | 32.00 |
| 2001S-08TW | 14.00 | 18.00 | 2001S-16TW | 30.00 | 34.00 |
| 2001S-09TW | 16.00 | 20.00 | | | |



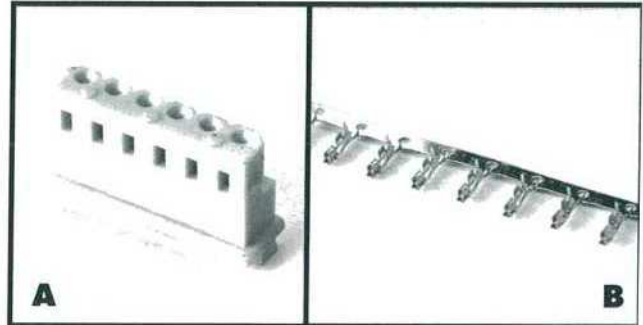
HOUSING WAFER TERMINAL 2.50 mm

TERMINAL/HOUSING 2.50 mm CI25

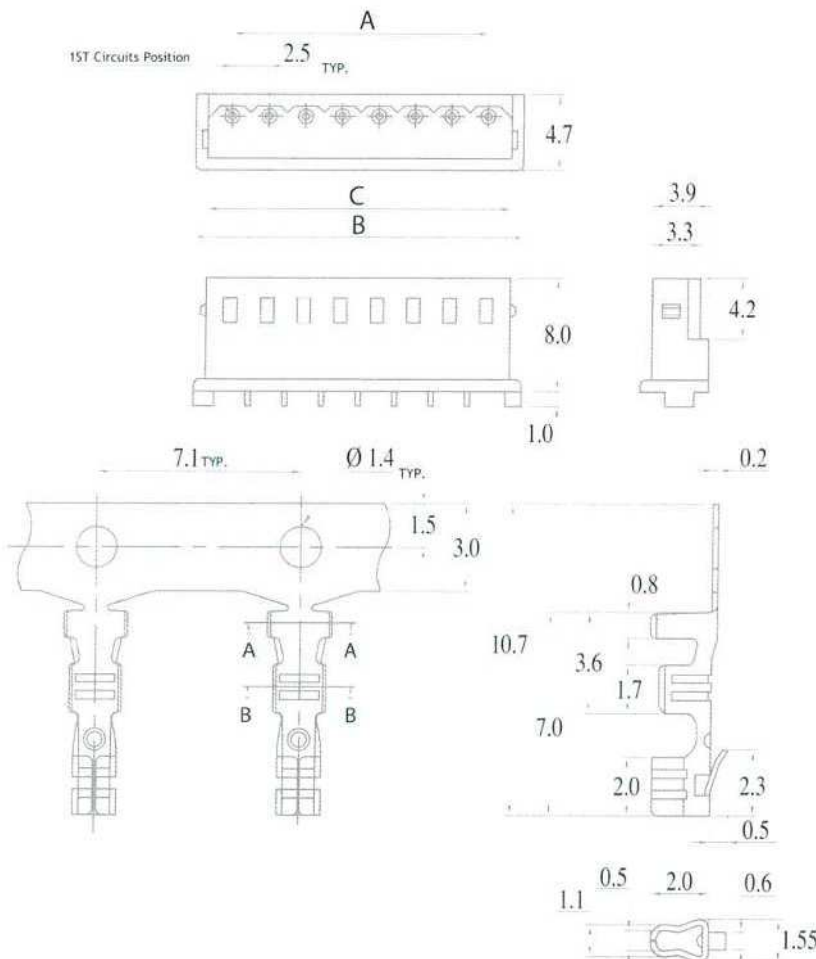
- Low profile with locking ribs
- Mate with CI25 header
- Can be used CI25 crimp clip terminal
- Terminal accommodated AWG #22 ~ #28

MATERIAL:

Insulator: Nylon 66 UL 94V-0, Color Ivory
Terminal: Tin-plated, Phosphor Bronze

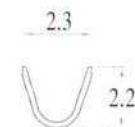


RoHS Compliant

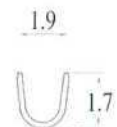


| Circuits | Dimensions | | |
|----------|------------|------|------|
| | A | B | C |
| 2 | 2.5 | 7.4 | 5.9 |
| 3 | 5.0 | 9.9 | 8.4 |
| 4 | 7.5 | 12.4 | 10.9 |
| 5 | 10.0 | 14.9 | 13.4 |
| 6 | 12.5 | 17.4 | 15.9 |
| 7 | 15.0 | 19.9 | 18.4 |
| 8 | 17.5 | 22.4 | 20.9 |
| 9 | 20.0 | 24.9 | 23.4 |
| 10 | 22.5 | 27.4 | 25.9 |
| 11 | 25.0 | 29.9 | 28.4 |
| 12 | 27.5 | 32.4 | 30.9 |
| 13 | 30.0 | 34.9 | 33.4 |
| 14 | 32.5 | 37.4 | 35.9 |
| 15 | 35.0 | 39.9 | 38.4 |

| Wire Range | Insulation Diameter | Reel Qty |
|-------------|---------------------|-------------|
| AWG #22-#28 | 1.9 MAX. | 10,000 PCS. |



SEC: A-A



SEC: B-B

ORDERING CODE

A
CI25 15 S 0000

No. of circuits: 02 - 15
Connector housing
Other options: 0000: Standard

B
CI25 T02 T P E O

Type: AWG #22 - #28
Plating: Tin over Nickel plated
Material: Phosphor Bronze
Plating method: Pre-finished
Other options: 0: Standard

*Special options: Consult manufacturer

©: Standard Recommend

WIRE TO BOARD & WIRE TO WIRE CONNECTORS

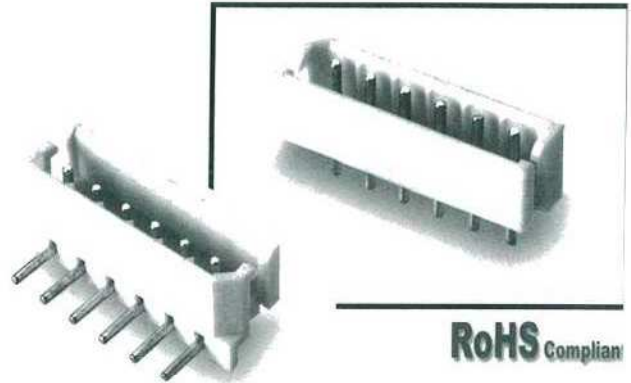
HOUSING WAFER TERMINAL 2.50 mm

PIN HEADER 2.50 mm CI25

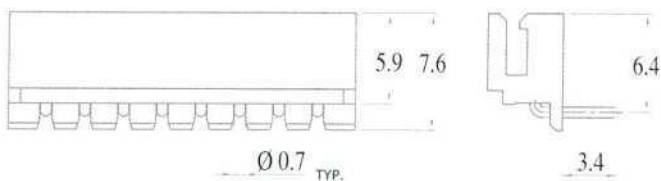
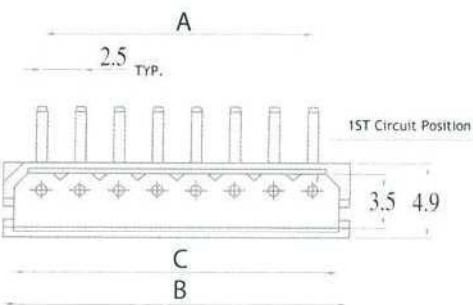
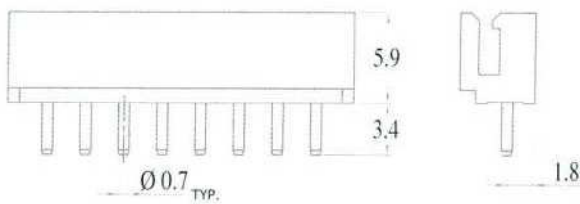
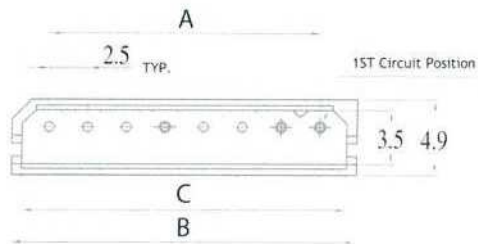
- With locking slot
- Mate with CI25 housing

MATERIAL:

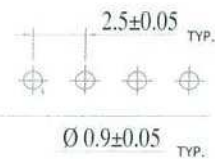
Insulator: Nylon 66 UL 94V-0, Color Ivory
With Tin-plated 0.7 mm round pin



RoHS Compliant

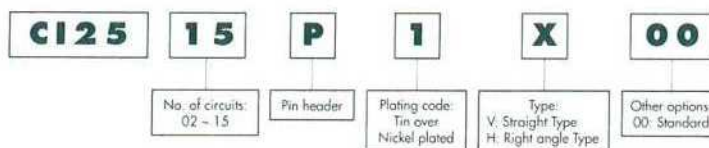


| Circuits | Dimensions | | |
|----------|------------|------|------|
| | A | B | C |
| 2 | 2.5 | 7.5 | 6.0 |
| 3 | 5.0 | 10.0 | 8.5 |
| 4 | 7.5 | 12.5 | 11.0 |
| 5 | 10.0 | 15.0 | 13.5 |
| 6 | 12.5 | 17.5 | 16.0 |
| 7 | 15.0 | 20.0 | 18.5 |
| 8 | 17.5 | 22.5 | 21.0 |
| 9 | 20.0 | 25.0 | 23.5 |
| 10 | 22.5 | 27.6 | 26.0 |
| 11 | 25.0 | 30.1 | 28.5 |
| 12 | 27.5 | 32.6 | 31.0 |
| 13 | 30.0 | 35.1 | 33.5 |
| 14 | 32.5 | 37.6 | 36.0 |
| 15 | 35.0 | 40.1 | 38.5 |



Recommended P.C. Board Layout

ORDERING CODE



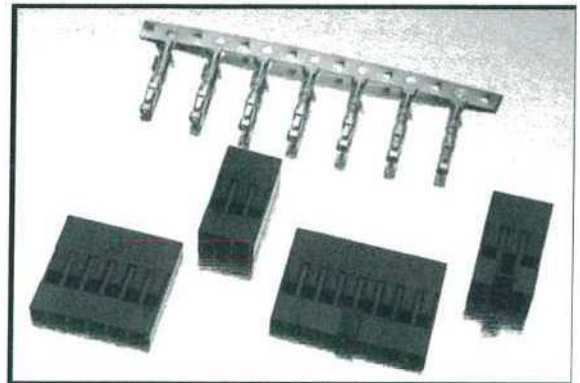
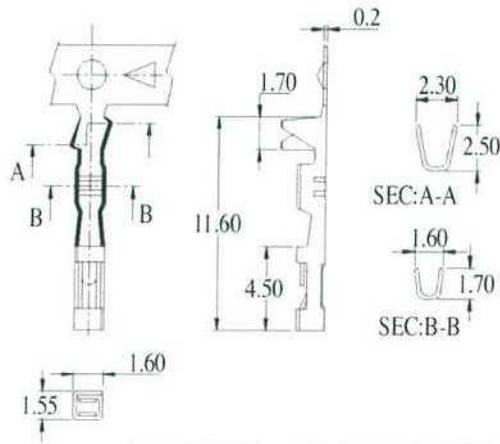
*Special options: Consult manufacturer

©:Standard Recommend

WIRE TO BOARD & WIRE TO WIRE CONNECTORS

HOUSING WAFER TERMINAL 2.54 mm

TERMINAL 2.54 mm 2541-TXX



RoHS Compliant

| Part No | Wire Range | Insulation O.D. | Material | Finish | Qty/reel |
|------------|------------|-----------------|-----------------|-------------|-----------|
| 2541 - TGP | AWG#22-#26 | 1.70mm(max) | Phosphor Bronze | Gold plated | 10,000pcs |
| 2541 - TGB | AWG#22-#26 | 1.70mm(max) | Brass | Gold plated | |
| 2541 - TTP | AWG#22-#26 | 1.70mm(max) | Phosphor Bronze | Tin-plated | |

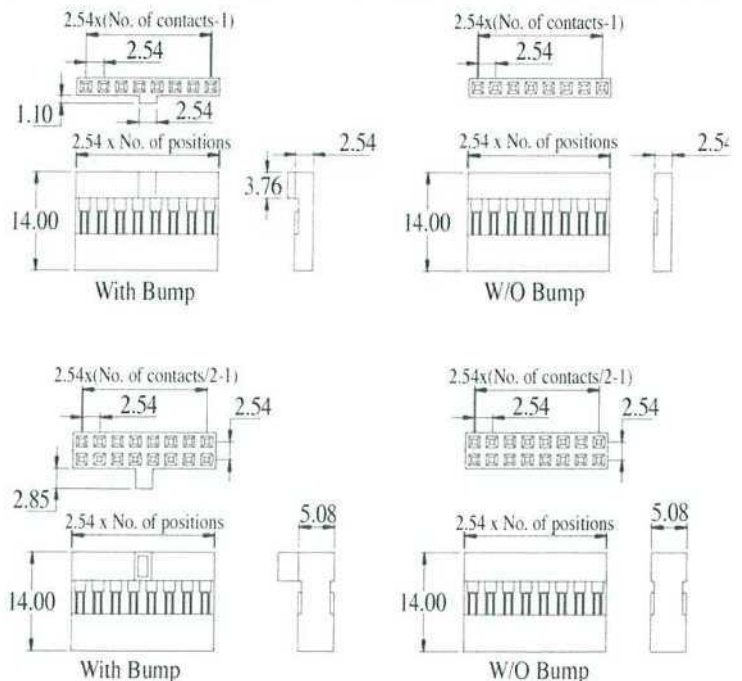
HOUSING 2.54 mm

SPECIFICATION:

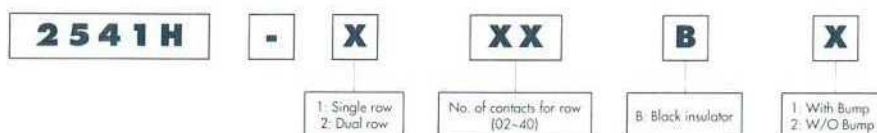
Current Rating: 3 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 1000 V AC/min.

MATERIAL:

Insulator: Nylon 66, UL94V-2



ORDERING CODE

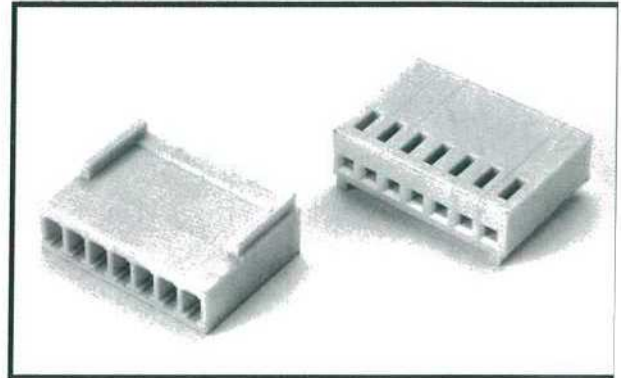
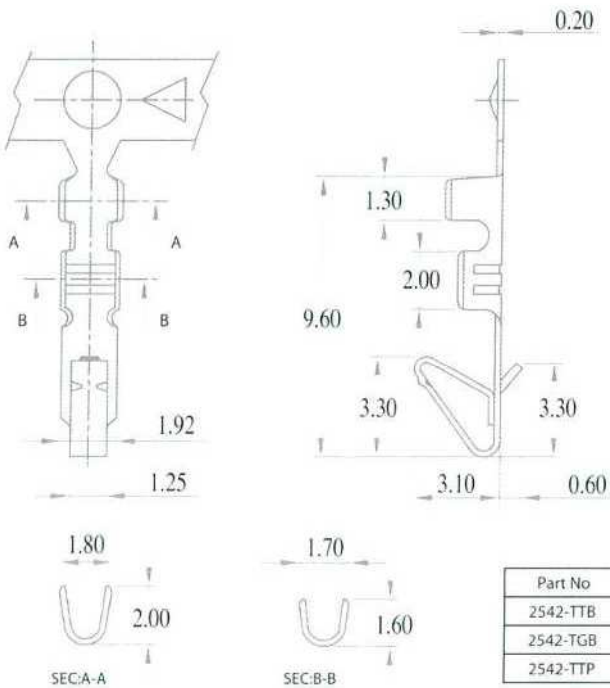


©:Standard Recommend

WIRE TO BOARD & WIRE TO WIRE CONNECTORS

HOUSING WAFER TERMINAL 2.54 mm

TERMINAL 2.54 mm 2542-TXX



RoHS Compliant

| Part No | Wire Range | Insulation O.D. | Material | Finish | Qty/reel |
|----------|------------|-----------------|-----------------|-------------|-----------|
| 2542-TTB | AWG#22-#28 | 1.50mm(max) | Brass | Tin-plated | 10,000pcs |
| 2542-TGB | AWG#22-#28 | 1.50mm(max) | Brass | Gold-plated | |
| 2542-TTP | AWG#22-#28 | 1.50mm(max) | Phosphor Bronze | Tin-plated | |

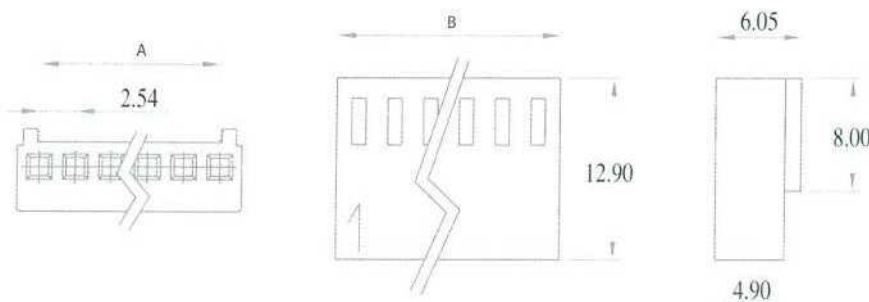
HOUSING 2.54 mm 2542H-XXW

SPECIFICATION:

Current Rating: 2,5 AMP AC, DC
 Voltage Rating: 250 V AC, DC
 Temperature Range: -25°C to +85°C
 Contact Resistance: 20 m Ω Max.
 Insulation Resistance: 1000 M Ω Min.
 Withstanding voltage: 1000 V AC/minute

MATERIAL:

Insulator: Nylon 66, UL94V-2



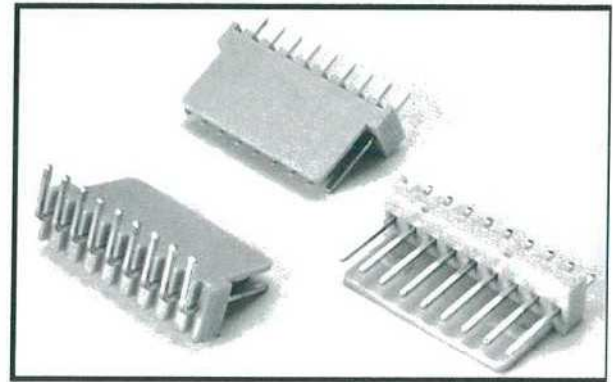
| PART NO. | Dimensions | |
|-----------|------------|-------|
| | A | B |
| 2542H-02W | 2.54 | 5.68 |
| 2542H-03W | 5.08 | 8.22 |
| 2542H-04W | 7.62 | 10.76 |
| 2542H-05W | 10.16 | 13.30 |
| 2542H-06W | 12.70 | 15.84 |
| 2542H-07W | 15.24 | 18.38 |
| 2542H-08W | 17.78 | 20.92 |
| 2542H-09W | 20.32 | 23.46 |
| 2542H-10W | 22.86 | 26.00 |
| 2542H-11W | 25.40 | 28.54 |
| 2542H-12W | 27.94 | 31.08 |
| 2542H-13W | 30.48 | 33.62 |
| 2542H-14W | 33.02 | 36.16 |
| 2542H-15W | 35.56 | 38.70 |
| 2542H-16W | 38.10 | 41.24 |
| 2542H-17W | 40.64 | 43.78 |
| 2542H-18W | 43.18 | 46.32 |
| 2542H-19W | 45.72 | 48.86 |
| 2542H-20W | 48.26 | 51.40 |

HOUSING WAFER TERMINAL 2.54 mm

WAFER RIGHT ANGLE 2.54 mm

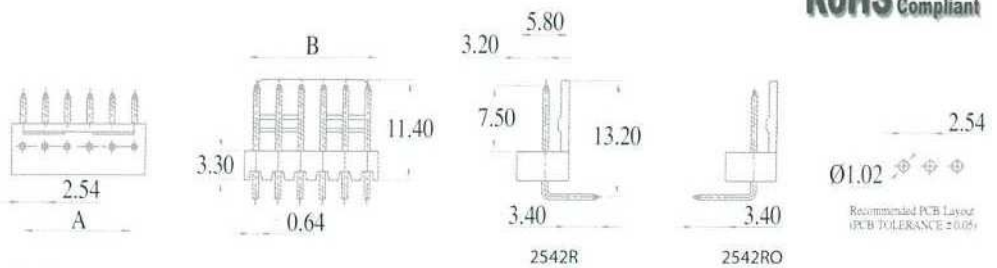
SPECIFICATION:

Current Rating: 2,5 AMP AC, DC
 Voltage Rating: 250 V AC, DC
 Temperature Range: -25°C to +85°C
 Contact Resistance: 20 m Ω Max.
 Insulation Resistance: 1000 M Ω Min.
 Withstanding voltage: 1000 V AC/minute
 Pin Material: Brass, Tin-plated
 Material: Nylon 66, UL94V-2

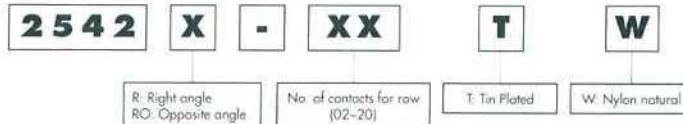


RoHS Compliant

| Contact | Dimensions | |
|---------|------------|-------|
| | A | B |
| 02 | 2.54 | 5.08 |
| 03 | 5.08 | 7.62 |
| 04 | 7.62 | 10.16 |
| 05 | 10.16 | 12.70 |
| 06 | 12.70 | 15.24 |
| 07 | 15.24 | 17.78 |
| 08 | 17.78 | 20.32 |
| 09 | 20.32 | 22.86 |
| 10 | 22.86 | 25.40 |
| 11 | 25.40 | 27.94 |
| 12 | 27.94 | 30.48 |
| 13 | 30.48 | 33.02 |
| 14 | 33.02 | 35.56 |
| 15 | 35.56 | 38.10 |
| 16 | 38.10 | 40.64 |
| 17 | 40.64 | 43.18 |
| 18 | 43.18 | 45.72 |
| 19 | 45.72 | 48.26 |
| 20 | 48.26 | 50.80 |



ORDERING CODE

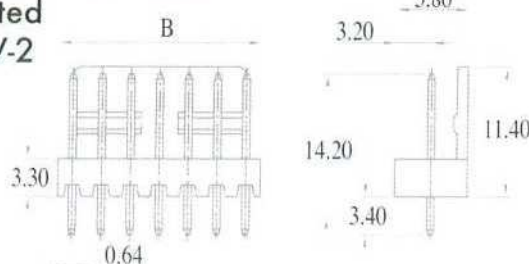
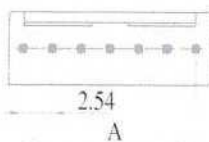


©: Standard Recommend

WAFER STRAIGHT 2.54 mm 2542S-XXTW

SPECIFICATION:

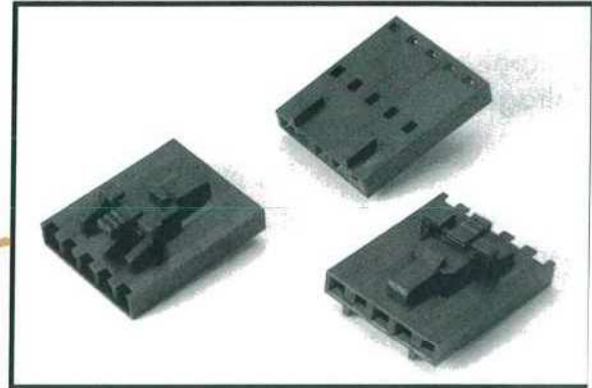
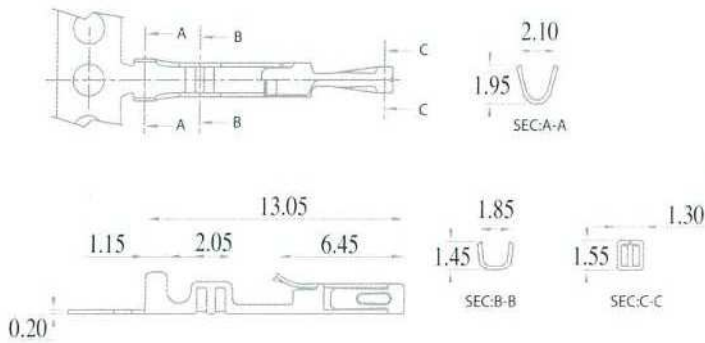
Current Rating: 2,5 AMP AC, DC
 Voltage Rating: 250 V AC, DC
 Temperature Range: -25°C to +85°C
 Contact Resistance: 20 m Ω Max.
 Insulation Resistance: 1000 M Ω Min.
 Withstanding voltage: 1000 V AC/minute
 Pin Material: Brass, Tin-plated
 Material: Nylon 66, UL94V-2



| PART NO. | Dimensions | |
|------------|------------|-------|
| | A | B |
| 2542S-02TR | 2.54 | 5.08 |
| 2542S-03TR | 5.08 | 7.62 |
| 2542S-04TR | 7.62 | 10.16 |
| 2542S-05TR | 10.16 | 12.70 |
| 2542S-06TR | 12.70 | 15.24 |
| 2542S-07TR | 15.24 | 17.78 |
| 2542S-08TR | 17.78 | 20.32 |
| 2542S-09TR | 20.32 | 22.86 |
| 2542S-10TR | 22.86 | 25.40 |
| 2542S-11TR | 25.40 | 27.94 |
| 2542S-12TR | 27.94 | 30.48 |
| 2542S-13TR | 30.48 | 33.02 |
| 2542S-14TR | 33.02 | 35.56 |
| 2542S-15TR | 35.56 | 38.10 |
| 2542S-16TR | 38.10 | 40.64 |
| 2542S-17TR | 40.64 | 43.18 |
| 2542S-18TR | 43.18 | 45.72 |
| 2542S-19TR | 45.72 | 48.26 |
| 2542S-20TR | 48.26 | 50.80 |

HOUSING WAFER TERMINAL 2.54 mm

MINI LATCH TERMINAL 2.54 mm 2545-TX



RoHS Compliant

| Part No. | Wire Range | Insulation O.D. | Material | Finish | Qty/reel |
|----------|------------|-----------------|-----------------|------------|-----------|
| 2545-TP | AWG#24-#28 | 1.70mm(max) | Phosphor Bronze | Tin-plated | 10,000pcs |
| 2545-TB | AWG#24-#28 | 1.70mm(max) | Brass | Tin-plated | |

MINI LATCH HOUSING 2.54 mm 2545H-XXBX

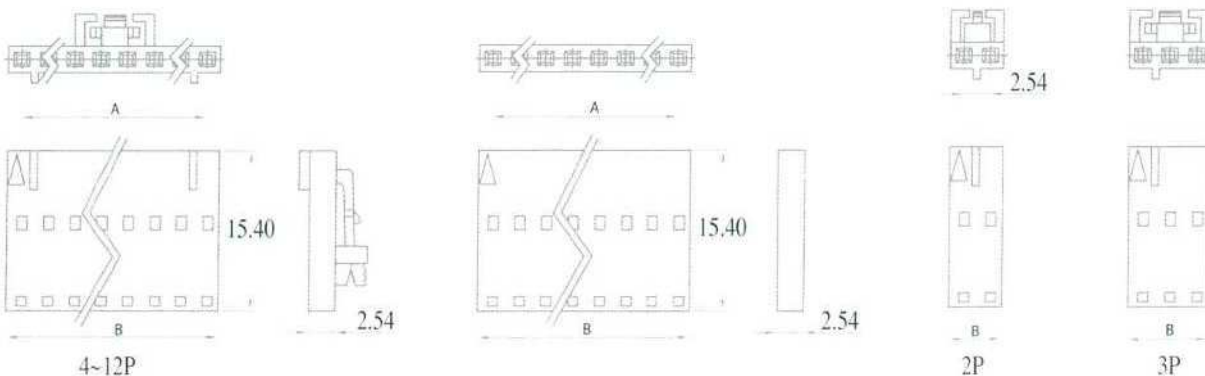
SPECIFICATION:

Current Rating: 2,5 AMP AC, DC
 Voltage Rating: 250 V AC, DC
 Temperature Range: -25°C to +85°C
 Contact Resistance: 20 m Ω Max.
 Insulation Resistance: 1000 M Ω Min.
 Withstanding voltage: 1000 V AC/min

MATERIAL:

Insulator: PBT+30% GF, UL94V-2

| PART NO. | Dimensions | | PART NO. | Dimensions | |
|------------|------------|-------|------------|------------|-------|
| | A | B | | A | B |
| 2545H-02BA | 2.54 | 5.08 | 2545H-02BB | 2.54 | 5.08 |
| 2545H-03BA | 5.08 | 7.62 | 2545H-03BB | 5.08 | 7.62 |
| 2545H-04BA | 7.62 | 10.16 | 2545H-04BB | 7.62 | 10.16 |
| 2545H-05BA | 10.16 | 12.70 | 2545H-05BB | 10.16 | 12.70 |
| 2545H-06BA | 12.70 | 15.24 | 2545H-06BB | 12.70 | 15.24 |
| 2545H-07BA | 15.24 | 17.78 | 2545H-07BB | 15.24 | 17.78 |
| 2545H-08BA | 17.78 | 20.32 | 2545H-08BB | 17.78 | 20.32 |
| 2545H-09BA | 20.32 | 22.86 | 2545H-09BB | 20.32 | 22.86 |
| 2545H-10BA | 22.86 | 25.40 | 2545H-10BB | 22.86 | 25.40 |
| 2545H-11BA | 25.40 | 27.94 | 2545H-11BB | 25.40 | 27.94 |
| 2545H-12BA | 27.94 | 30.48 | 2545H-12BB | 27.94 | 30.48 |

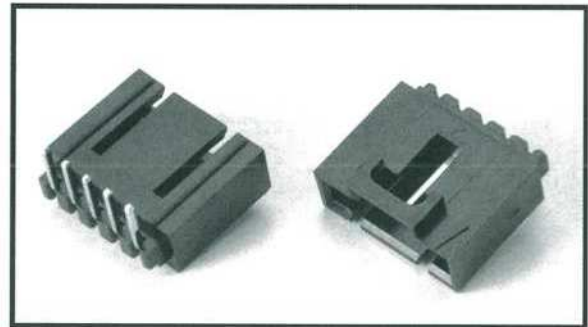


HOUSING WAFER TERMINAL 2.54 mm

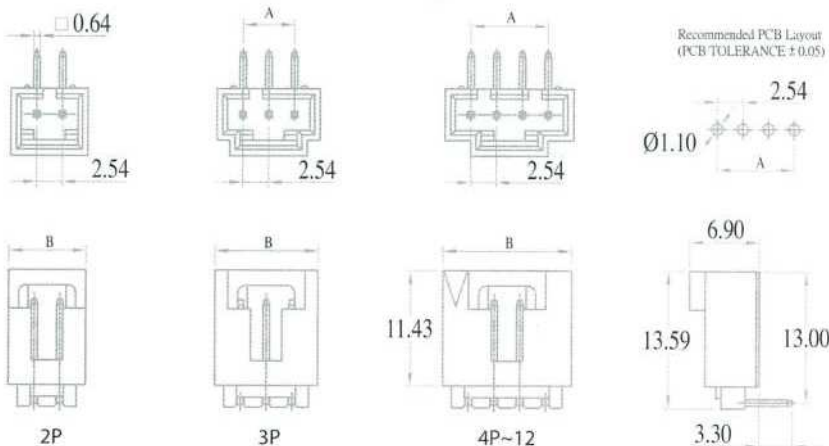
MINI LATCH WAFER RIGHT ANGLE 2.54 mm 2545R-XXGB

SPECIFICATION:

Current Rating: 2,5 AMP AC, DC
 Voltage Rating: 250 V AC, DC
 Temperature Range: -25°C to +85°C
 Contact Resistance: 20 m Ω Max.
 Insulation Resistance: 1000 M Ω Min.
 Withstanding voltage: 1000 V AC/minute
 Pin Material: Brass, Gold-plated
 Material: PBT+30% GF, UL94V-0



RoHS Compliant



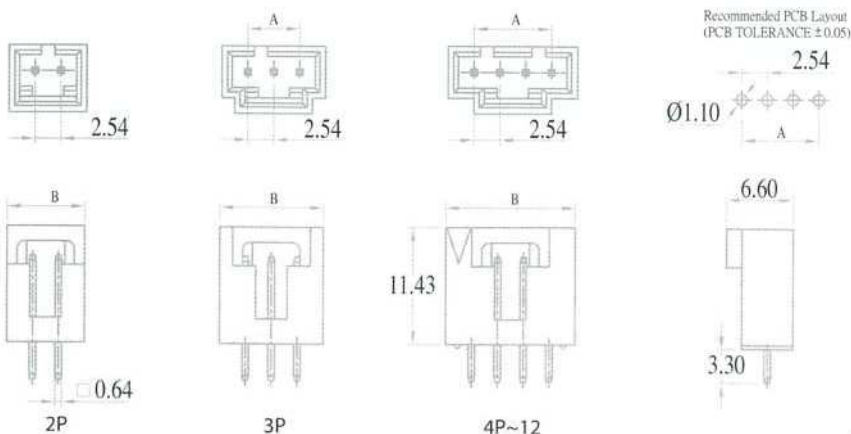
| PART NO. | Dimensions | |
|------------|------------|-------|
| | A | B |
| 2545R-02GB | 2.54 | 7.62 |
| 2545R-03GB | 5.08 | 10.16 |
| 2545R-04GB | 7.62 | 12.70 |
| 2545R-05GB | 10.16 | 15.24 |
| 2545R-06GB | 12.70 | 17.78 |
| 2545R-07GB | 15.24 | 20.32 |
| 2545R-08GB | 17.78 | 22.86 |
| 2545R-09GB | 20.32 | 25.40 |
| 2545R-10GB | 22.86 | 27.94 |
| 2545R-11GB | 25.40 | 30.48 |
| 2545R-12GB | 27.94 | 33.02 |

MINI LATCH WAFER STRAIGHT 2.54 mm 2545S-XXGB

SPECIFICATION:

Current Rating: 2,5 AMP AC, DC
 Voltage Rating: 250 V AC, DC
 Temperature Range: -25°C to +85°C
 Contact Resistance: 20 m Ω Max.

Insulation Resistance: 1000 M Ω Min.
 Withstanding voltage: 1000 V AC/minute
 Pin Material: Brass, Gold-plated
 Material: PBT+30% GF, UL94V-0

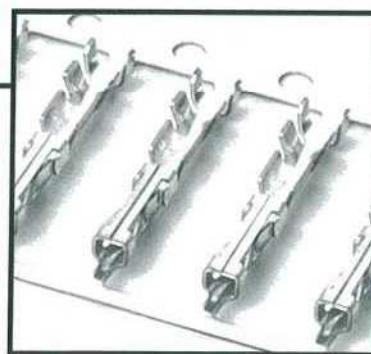
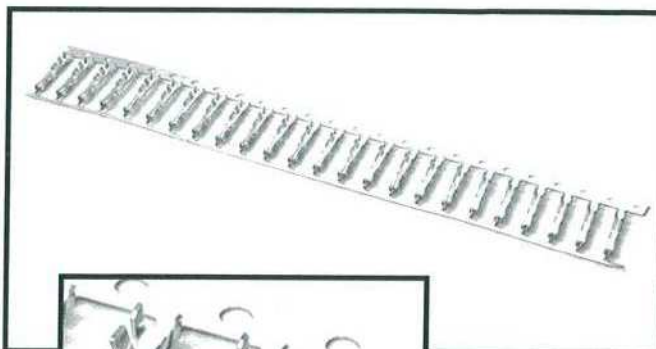
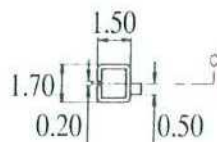
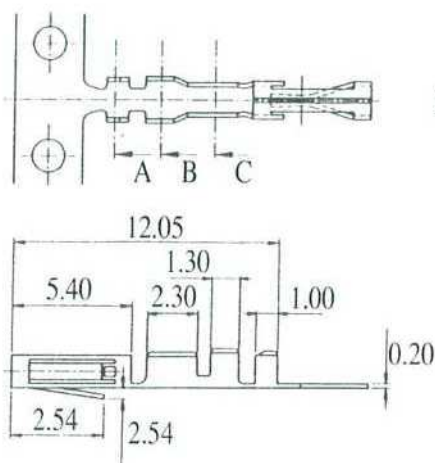


| PART NO. | Dimensions | |
|------------|------------|-------|
| | A | B |
| 2545S-02GB | 2.54 | 7.62 |
| 2545S-03GB | 5.08 | 10.16 |
| 2545S-04GB | 7.62 | 12.70 |
| 2545S-05GB | 10.16 | 15.24 |
| 2545S-06GB | 12.70 | 17.78 |
| 2545S-07GB | 15.24 | 20.32 |
| 2545S-08GB | 17.78 | 22.86 |
| 2545S-09GB | 20.32 | 25.40 |
| 2545S-10GB | 22.86 | 27.94 |
| 2545S-11GB | 25.40 | 30.48 |
| 2545S-12GB | 27.94 | 33.02 |

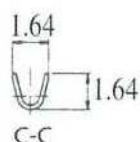
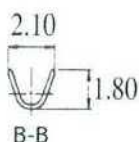
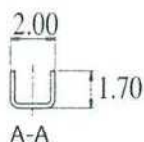
HOUSING WAFER TERMINAL 2.54 mm

PITCH CRIMP TERMINAL BMT 2.54 mm

1140-100-000



RoHS Compliant



| Wire Range | Material | Finish | Qty/reel |
|------------|-----------------|------------|-----------|
| AWG#22-#26 | Phosphor Bronze | Tin-plated | 20,000pcs |

PITCH CRIMP HOUSING BMT 2.54 mm

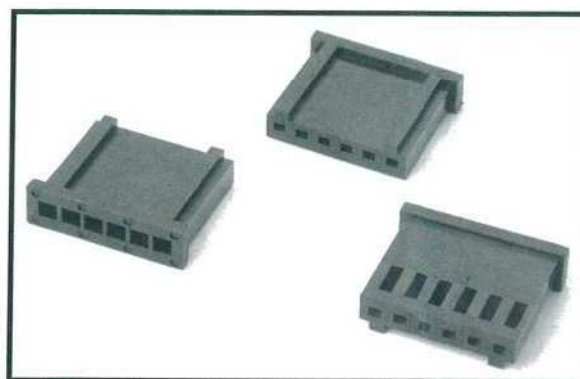
1090-023-XX0

SPECIFICATION:

Current Rating: 1 AMP AC, DC
 Voltage Rating: 250 V AC, DC
 Temperature Range: -25°C to +85°C
 Contact Resistance: 20 m Ω Max.
 Insulation Resistance: 1000 M Ω Min.
 Withstanding voltage: 1000 V AC/minute

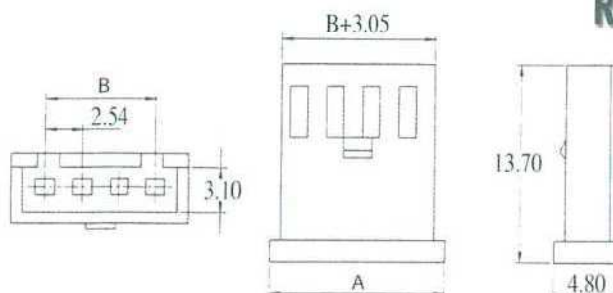
MATERIAL:

Nylon 66, UL94V-0



RoHS Compliant

| Circuits | PART NO. | Dimensions | |
|----------|--------------|------------|-------|
| | | A | B |
| 2 | 1090-023-020 | 7.10 | 2.54 |
| 4 | 1090-023-040 | 12.20 | 7.62 |
| 6 | 1090-023-060 | 17.30 | 12.70 |
| 8 | 1090-023-080 | 22.30 | 17.78 |
| 9 | 1090-023-090 | 24.90 | 20.32 |
| 10 | 1090-023-100 | 27.40 | 22.86 |
| 12 | 1090-023-120 | 32.50 | 27.94 |
| 15 | 1090-023-150 | 40.10 | 35.56 |
| 22 | 1090-023-220 | 57.90 | 53.34 |



HOUSING WAFER TERMINAL 2.54 mm

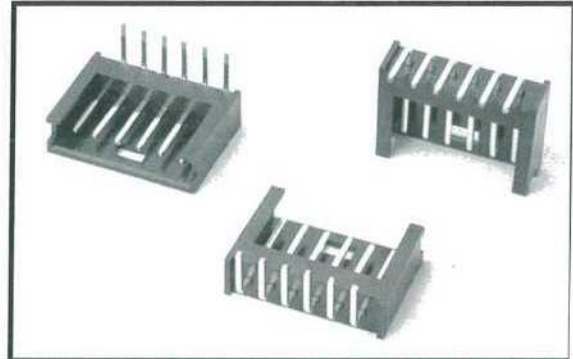
PITCH WAFER RIGHT ANGLE 2.54 mm 1100-X22-XXX

SPECIFICATION:

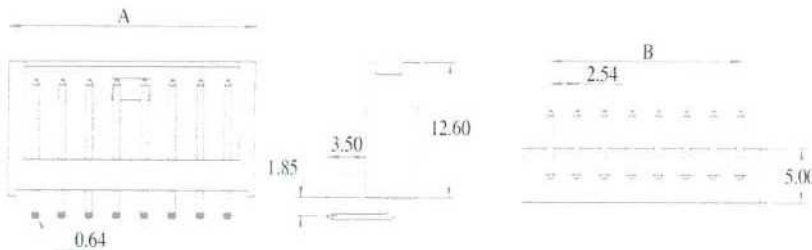
Current Rating: 1 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 1000 V AC/minute

MATERIAL:

Insulator: PBT+15% Glass fiber, UL94V-0
Contact Pin: Phosphor bronze, Tin plated or gold flash



RoHS Compliant



| Circuits | PART NO. | | Dimensions | |
|----------|--------------|--------------|------------|-------|
| | Tin Plated | Gold Flash | A | B |
| 2 | 1100-122-020 | 1100-222-020 | 7.70 | 2.54 |
| 4 | 1100-122-040 | 1100-222-040 | 12.70 | 7.62 |
| 6 | 1100-122-060 | 1100-222-060 | 17.80 | 12.70 |
| 8 | 1100-122-080 | 1100-222-080 | 22.90 | 17.78 |
| 9 | 1100-122-090 | 1100-222-090 | 25.40 | 20.32 |
| 10 | 1100-122-100 | 1100-222-100 | 28.00 | 22.86 |
| 12 | 1100-122-120 | 1100-222-120 | 33.10 | 27.94 |
| 15 | 1100-122-150 | 1100-222-150 | 40.70 | 35.56 |
| 22 | 1100-122-220 | 1100-222-220 | 58.50 | 53.34 |

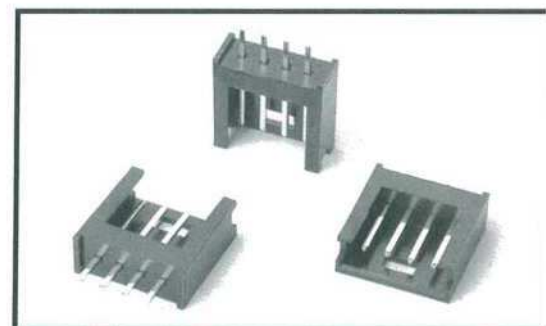
MINI LATCH WAFER STRAIGHT 2.54 mm 1100-X21-XXX

SPECIFICATION:

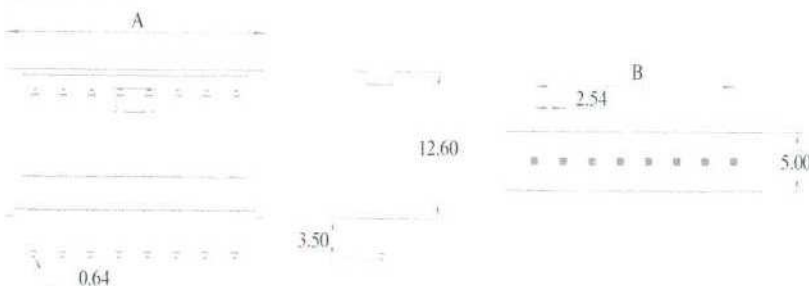
Current Rating: 1 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 1000 V AC/minute

MATERIAL:

Insulator: PBT+15% Glass fiber, UL94V-0
Contact Pin: Phosphor bronze, Tin plated or gold flash



RoHS Compliant



| Circuits | PART NO. | | Dimensions | |
|----------|--------------|--------------|------------|-------|
| | Tin Plated | Gold Flash | A | B |
| 2 | 1100-121-020 | 1100-221-020 | 7.70 | 2.54 |
| 4 | 1100-121-040 | 1100-221-040 | 12.70 | 7.62 |
| 6 | 1100-121-060 | 1100-221-060 | 17.80 | 12.70 |
| 8 | 1100-121-080 | 1100-221-080 | 22.90 | 17.78 |
| 9 | 1100-121-090 | 1100-221-090 | 25.40 | 20.32 |
| 10 | 1100-121-100 | 1100-221-100 | 28.00 | 22.86 |
| 12 | 1100-121-120 | 1100-221-120 | 33.10 | 27.94 |
| 15 | 1100-121-150 | 1100-221-150 | 40.70 | 35.56 |
| 22 | 1100-121-220 | 1100-221-220 | 58.50 | 53.34 |

HOUSING WAFER TERMINAL 2.54 mm

TERMINAL 2.54 mm

1140-100-001

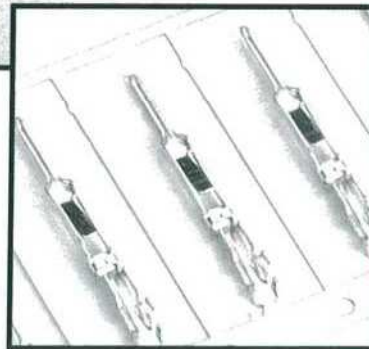
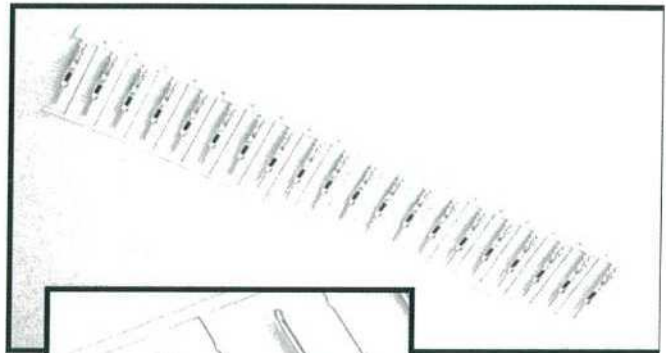
SPECIFICATION:

Current Rating: 1 AMP AC, DC
 Voltage Rating: 250 V AC, DC max
 Temperature Range: -25°C to +85°C
 Contact Resistance: 10m Ω Max.
 Insulation Resistance: 1000M Ω Min.
 Withstanding voltage: 1000V AC/minute

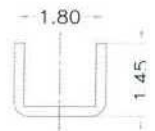
MATERIAL:

Phosphor Bronze, Tin-plated

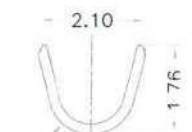
| Wire Range | Material | Finish | Qty/reel |
|------------|-----------------|------------|-----------|
| AWG#22-#26 | Phosphor Bronze | Tin-plated | 20,000pcs |



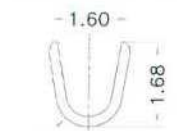
RoHS Compliant



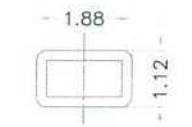
SEC:A-A



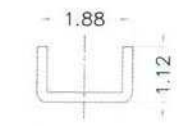
SEC:B-B



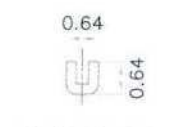
SEC:C-C



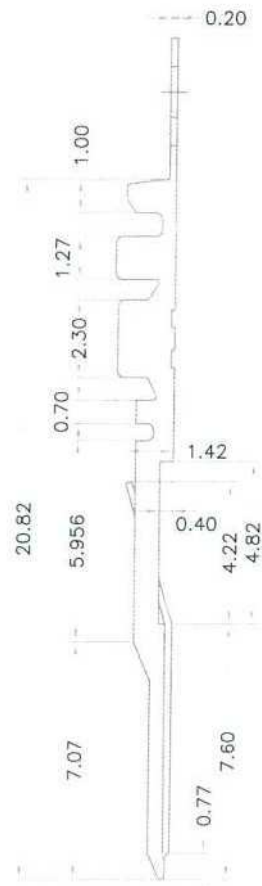
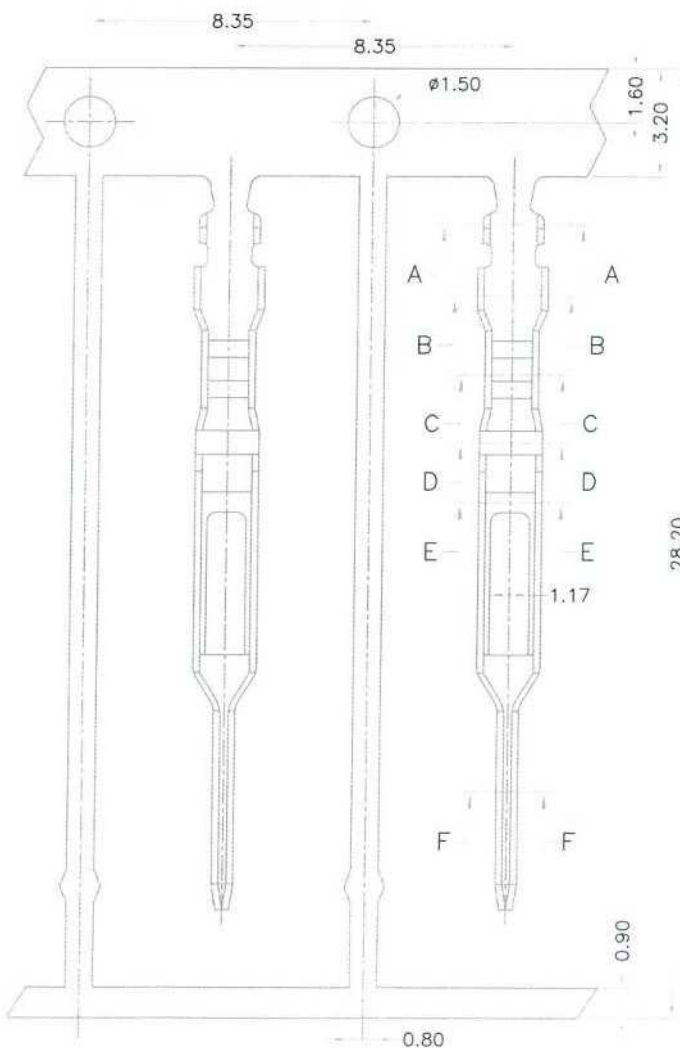
SEC:D-D



SEC:E-E



SEC:F-F



HOUSING WAFER TERMINAL 2.54 mm

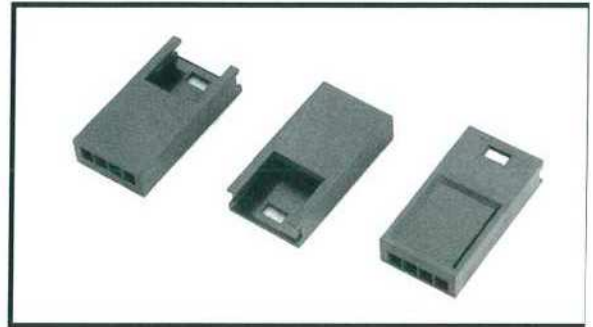
HOUSING 2.54 mm 1090-024-XX0

SPECIFICATION:

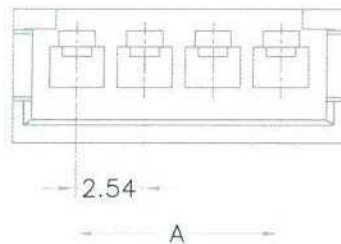
Current Rating: 1 AMP AC, DC
Voltage Rating: 250 V AC, DC max
Temperature Range: -25°C to +85°C
Contact Resistance: 10m Ω Max.
Insulation Resistance: 1000M Ω Min.
Withstanding voltage: 1000V AC/minute

MATERIAL:

Nylon 66, UL94V-0, Color black

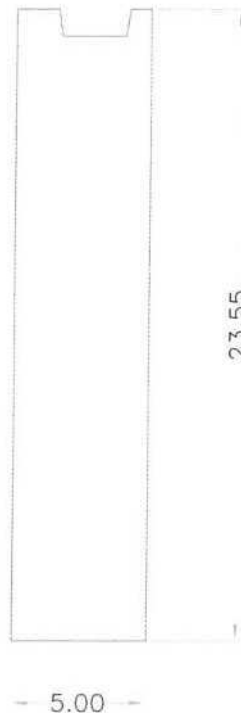
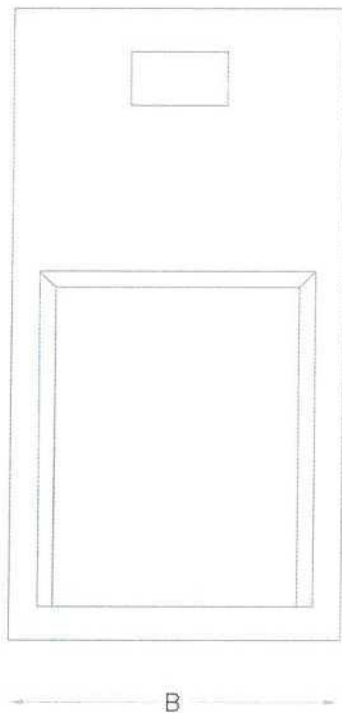


RoHS Compliant



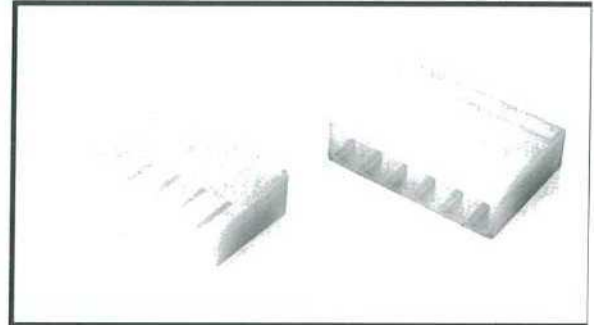
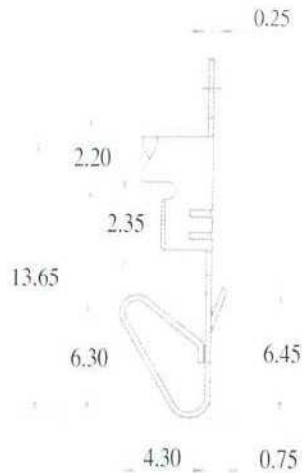
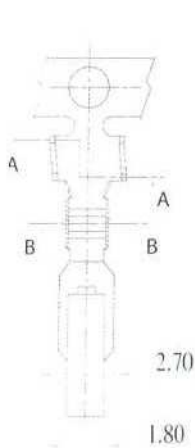
Ordering Information

| Circuits | Part No | Dimension | |
|----------|--------------|-----------|-------|
| | | A | B |
| 2 | 1090-024-020 | 2.54 | 7.30 |
| 4 | 1090-024-040 | 7.62 | 12.40 |
| 6 | 1090-024-060 | 12.70 | 17.50 |
| 8 | 1090-024-080 | 17.78 | 22.60 |
| 9 | 1090-024-090 | 20.32 | 25.10 |
| 10 | 1090-024-010 | 22.86 | 27.70 |
| 12 | 1090-024-120 | 27.94 | 32.80 |
| 15 | 1090-024-150 | 35.56 | 40.40 |
| 22 | 1090-024-220 | 53.34 | 58.20 |

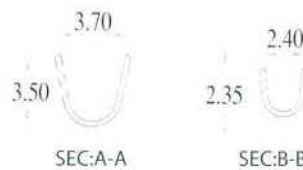


HOUSING WAFER TERMINAL 3.96 mm

TERMINAL 3.96 mm 3961-T



RoHS Compliant



| Wire Range | Insulation O.D. | Material | Finish | Qty/reel |
|------------|-----------------|----------|------------|----------|
| AWG#18-#22 | 2.80mm(max) | Brass | Tin-plated | 6,000pcs |

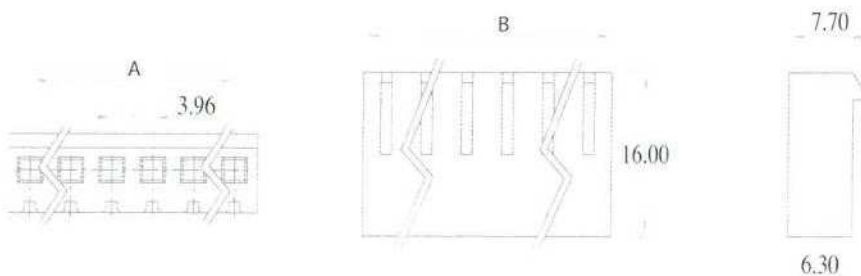
HOUSING 3.96 mm 3961H-XXW

SPECIFICATION:

Current Rating: 5 AMP AC, DC
 Voltage Rating: 250 V AC, DC
 Temperature Range: -25°C to +85°C
 Contact Resistance: 10 m Ω Max.
 Insulation Resistance: 1000 M Ω Min.
 Withstanding voltage: 1500 V AC/minute

MATERIAL:

Nylon 66, UL94V-2



| PART NO | Dimension | |
|-----------|-----------|-------|
| | A | B |
| 3961H-02W | 3.96 | 8.43 |
| 3961H-03W | 7.92 | 12.39 |
| 3961H-04W | 11.88 | 16.35 |
| 3961H-05W | 15.84 | 20.31 |
| 3961H-06W | 19.80 | 24.27 |
| 3961H-07W | 23.76 | 28.23 |
| 3961H-08W | 27.72 | 32.19 |
| 3961H-09W | 31.68 | 36.15 |
| 3961H-10W | 35.64 | 40.11 |
| 3961H-11W | 39.60 | 44.07 |
| 3961H-12W | 43.56 | 48.03 |
| 3961H-13W | 47.52 | 51.99 |
| 3961H-14W | 51.48 | 55.95 |
| 3961H-15W | 55.44 | 59.91 |
| 3961H-16W | 59.40 | 63.87 |
| 3961H-17W | 63.36 | 67.83 |
| 3961H-18W | 67.32 | 71.79 |
| 3961H-19W | 71.28 | 75.75 |
| 3961H-20W | 75.24 | 79.71 |

HOUSING WAFER TERMINAL 3.96 mm

WAFER RIGHT ANGLE 3.96 mm 3961RA-XXTW

SPECIFICATION:

Current Rating: 5 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 1500 V AC/minute

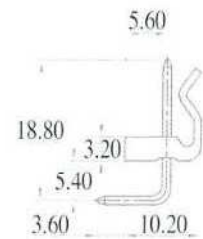
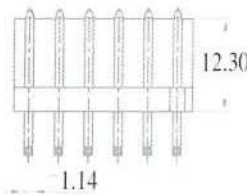
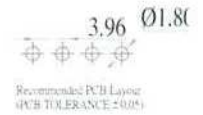
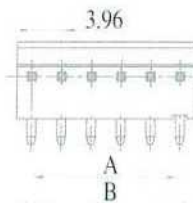
MATERIAL:

Insulator: Nylon 66, UL94V-2
Contact Pin: Brass, Tin-plated

| PART NO. | Dimensions | | PART NO. | Dimensions | |
|-------------|------------|-------|-------------|------------|-------|
| | A | B | | A | B |
| 3961RA-02TW | 3.96 | 7.92 | 3961RA-12TW | 43.56 | 47.52 |
| 3961RA-03TW | 7.92 | 11.88 | 3961RA-13TW | 47.52 | 51.48 |
| 3961RA-04TW | 11.88 | 15.84 | 3961RA-14TW | 51.48 | 55.44 |
| 3961RA-05TW | 15.84 | 19.80 | 3961RA-15TW | 55.44 | 59.40 |
| 3961RA-06TW | 19.80 | 23.76 | 3961RA-16TW | 59.40 | 63.36 |
| 3961RA-07TW | 23.76 | 27.72 | 3961RA-17TW | 63.36 | 67.32 |
| 3961RA-08TW | 27.72 | 31.68 | 3961RA-18TW | 67.32 | 71.28 |
| 3961RA-09TW | 31.68 | 35.64 | 3961RA-19TW | 71.28 | 75.24 |
| 3961RA-10TW | 35.64 | 39.60 | 3961RA-20TW | 75.24 | 79.20 |
| 3961RA-11TW | 39.60 | 43.56 | | | |



RoHS Compliant



WAFER STRAIGHT 3.96 mm 3961SA-XXTW

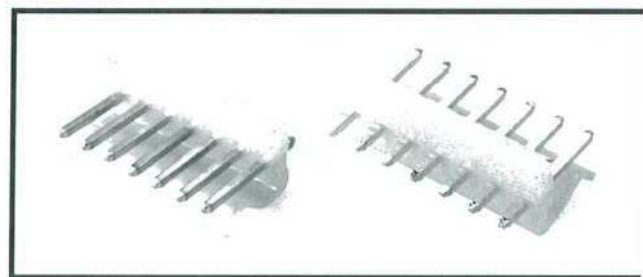
SPECIFICATION:

Current Rating: 5 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 1500 V AC/minute

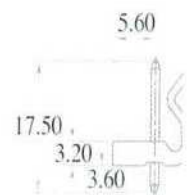
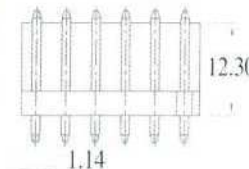
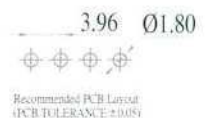
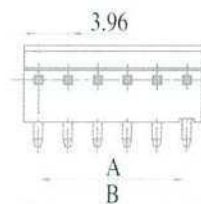
MATERIAL:

Insulator: Nylon 66, UL94V-2
Contact Pin: Brass, Tin-plated

| PART NO. | Dimensions | | PART NO. | Dimensions | | PART NO. | Dimensions | |
|-------------|------------|-------|-------------|------------|-------|-------------|------------|-------|
| | A | B | | A | B | | A | B |
| 3961SA-02TW | 3.96 | 7.92 | 3961SA-09TW | 31.68 | 35.64 | 3961SA-16TW | 59.40 | 63.36 |
| 3961SA-03TW | 7.92 | 11.88 | 3961SA-10TW | 35.64 | 39.60 | 3961SA-17TW | 63.36 | 67.32 |
| 3961SA-04TW | 11.88 | 15.84 | 3961SA-11TW | 39.60 | 43.56 | 3961SA-18TW | 67.32 | 71.28 |
| 3961SA-05TW | 15.84 | 19.80 | 3961SA-12TW | 43.56 | 47.52 | 3961SA-19TW | 71.28 | 75.24 |
| 3961SA-06TW | 19.80 | 23.76 | 3961SA-13TW | 47.52 | 51.48 | 3961SA-20TW | 75.24 | 79.20 |
| 3961SA-07TW | 23.76 | 27.72 | 3961SA-14TW | 51.48 | 55.44 | | | |
| 3961SA-08TW | 27.72 | 31.68 | 3961SA-15TW | 55.44 | 59.40 | | | |



RoHS Compliant



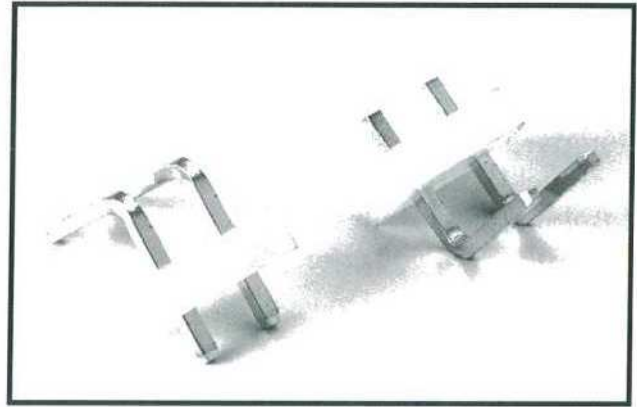
WAFER RIGHT ANGLE 3.96 mm 3961RB-XXTW

SPECIFICATION:

Current Rating: 5 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 1500 V AC/minute

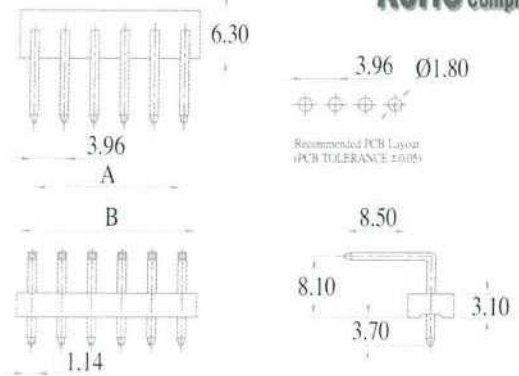
MATERIAL:

Insulator: Nylon 66, UL94V-2
Contact Pin: Brass, Tin-plated



RoHS Compliant

| PART NO. | Dimensions | | PART NO. | Dimensions | |
|-------------|------------|-------|-------------|------------|-------|
| | A | B | | A | B |
| 3961RB-02TW | 3.96 | 7.92 | 3961RB-11TW | 39.60 | 43.56 |
| 3961RB-03TW | 7.92 | 11.88 | 3961RB-12TW | 43.56 | 47.52 |
| 3961RB-04TW | 11.88 | 15.84 | 3961RB-13TW | 47.52 | 51.48 |
| 3961RB-05TW | 15.84 | 19.80 | 3961RB-14TW | 51.48 | 55.44 |
| 3961RB-06TW | 19.80 | 23.76 | 3961RB-15TW | 55.44 | 59.40 |
| 3961RB-07TW | 23.76 | 27.72 | 3961RB-16TW | 59.40 | 63.36 |
| 3961RB-08TW | 27.72 | 31.68 | 3961RB-17TW | 63.36 | 67.32 |
| 3961RB-09TW | 31.68 | 35.64 | 3961RB-18TW | 67.32 | 71.28 |
| 3961RB-10TW | 35.64 | 39.60 | 3961RB-19TW | 71.28 | 75.24 |
| | | | 3961RB-20TW | 75.24 | 79.20 |



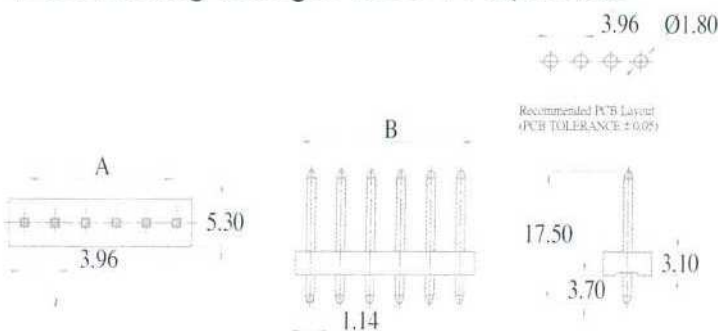
WAFER STRAIGHT 3.96 mm 3961SB-XXTW

SPECIFICATION:

Current Rating: 5 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 1500 V AC/minute

MATERIAL:

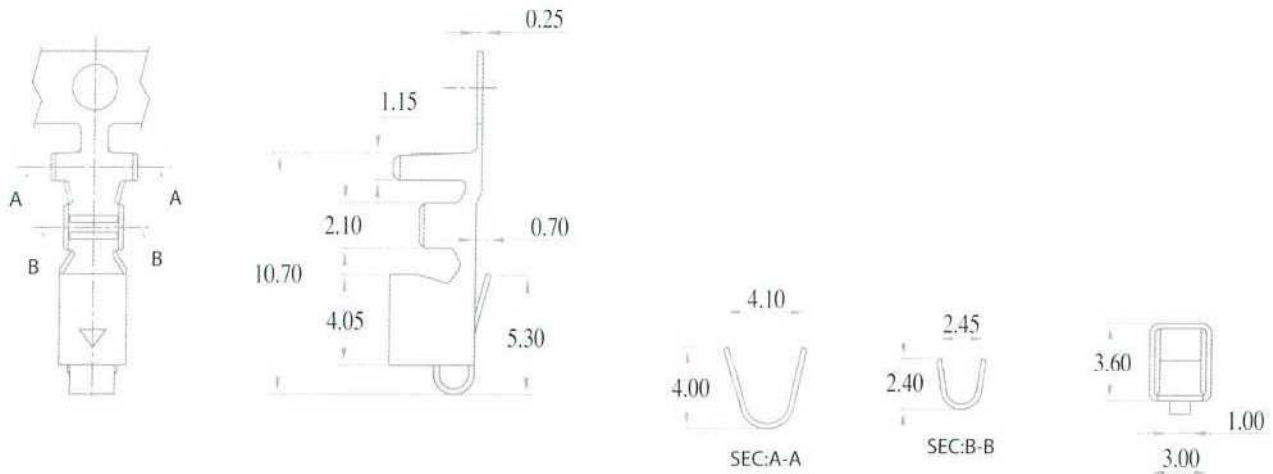
Insulator: Nylon 66, UL94V-2
Contact Pin: Brass, Tin-plated



| PART NO. | Dimensions | | PART NO. | Dimensions | |
|-------------|------------|-------|-------------|------------|-------|
| | A | B | | A | B |
| 3961SB-02TW | 3.96 | 7.92 | 3961SB-11TW | 39.60 | 43.56 |
| 3961SB-03TW | 7.92 | 11.88 | 3961SB-12TW | 43.56 | 47.52 |
| 3961SB-04TW | 11.88 | 15.84 | 3961SB-13TW | 47.52 | 51.48 |
| 3961SB-05TW | 15.84 | 19.80 | 3961SB-14TW | 51.48 | 55.44 |
| 3961SB-06TW | 19.80 | 23.76 | 3961SB-15TW | 55.44 | 59.40 |
| 3961SB-07TW | 23.76 | 27.72 | 3961SB-16TW | 59.40 | 63.36 |
| 3961SB-08TW | 27.72 | 31.68 | 3961SB-17TW | 63.36 | 67.32 |
| 3961SB-09TW | 31.68 | 35.64 | 3961SB-18TW | 67.32 | 71.28 |
| 3961SB-10TW | 35.64 | 39.60 | 3961SB-19TW | 71.28 | 75.24 |
| | | | 3961SB-20TW | 75.24 | 79.20 |

HOUSING WAFER TERMINAL 3.96 mm

TERMINAL 3.96 mm 3962-T



| Part No. | Wire Range | Insulation O.D. | Material | Finish | Qty/reel |
|----------|------------|-----------------|-----------------|------------|----------|
| 3962-TB | AWG#18-#22 | 2.80mm(max) | Brass | Tin-plated | 4,500pcs |
| 3962-TP | AWG#18-#22 | 2.80mm(max) | Phosphor Bronze | Tin-plated | 4,500pcs |

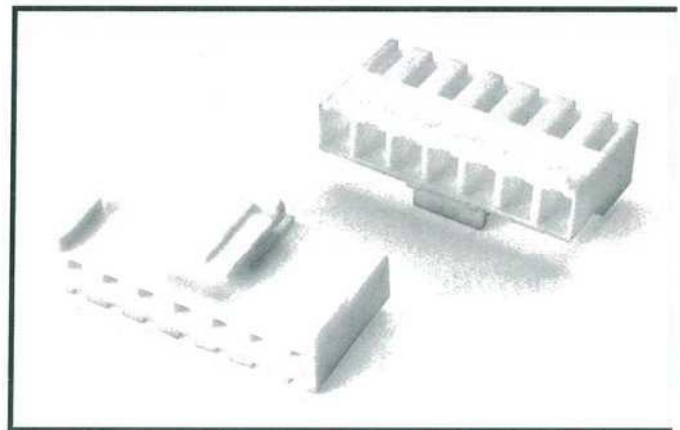
HOUSING 3.96 mm 3962H-XXW

SPECIFICATION:

Current Rating: 5 AMP AC, DC
 Voltage Rating: 250 V AC, DC
 Temperature Range: -25°C to +85°C
 Contact Resistance: 10 m Ω Max.
 Insulation Resistance: 1000 M Ω Min.
 Withstanding voltage: 1500 V AC/minute

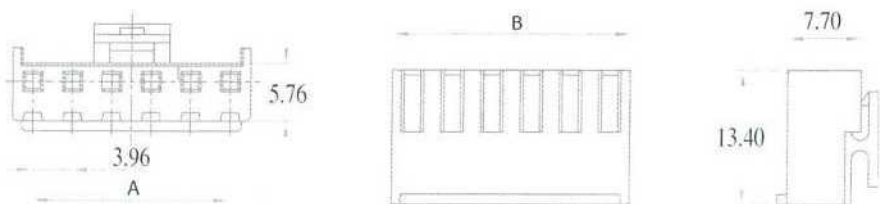
MATERIAL:

Insulator: Nylon 66, UL94V-2



RoHS Compliant

| PART NO. | Dimensions | |
|-----------|------------|-------|
| | A | B |
| 3692H-02W | 3.96 | 7.92 |
| 3692H-03W | 7.92 | 11.88 |
| 3692H-04W | 11.88 | 15.84 |
| 3692H-05W | 15.84 | 19.80 |
| 3692H-06W | 19.80 | 23.76 |
| 3692H-07W | 23.76 | 27.72 |
| 3692H-08W | 27.72 | 31.68 |
| 3692H-09W | 31.68 | 35.64 |
| 3692H-10W | 35.64 | 39.60 |
| 3692H-11W | 39.60 | 43.56 |
| 3692H-12W | 43.56 | 47.52 |
| 3692H-13W | 47.52 | 51.48 |
| 3692H-14W | 51.48 | 55.44 |
| 3692H-15W | 55.44 | 59.40 |



HOUSING WAFER TERMINAL 3.96 mm

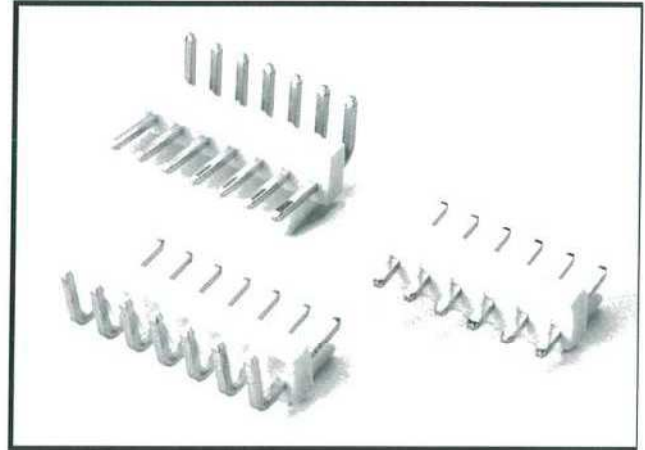
WAFER RIGHT ANGLE 3.96 mm 3962R-XXTW

SPECIFICATION:

Current Rating: 5 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 1500 V AC/minute

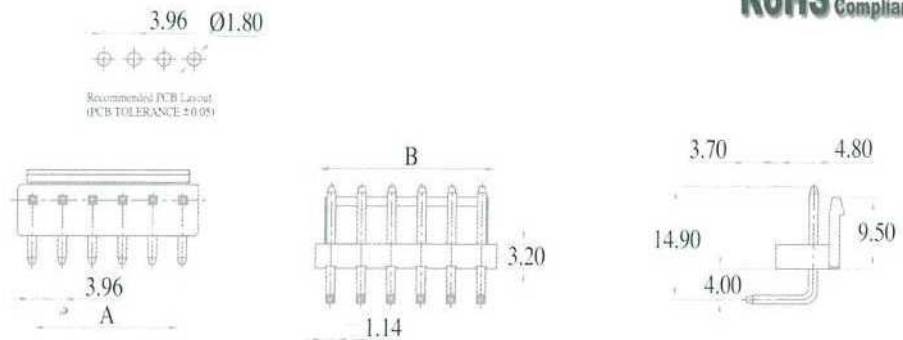
MATERIAL:

Insulator: Nylon 66, UL94V-2
Contact Pin: Brass, Tin-plated



RoHS Compliant

| PART NO. | Dimensions | |
|------------|------------|-------|
| | A | B |
| 3962R-02TW | 3.96 | 7.92 |
| 3962R-03TW | 7.92 | 11.88 |
| 3962R-04TW | 11.88 | 15.84 |
| 3962R-05TW | 15.84 | 19.80 |
| 3962R-06TW | 19.80 | 23.76 |
| 3962R-07TW | 23.76 | 27.72 |
| 3962R-08TW | 27.72 | 31.68 |
| 3962R-09TW | 31.68 | 35.64 |
| 3962R-10TW | 35.64 | 39.60 |
| 3962R-11TW | 39.60 | 43.56 |
| 3962R-12TW | 43.56 | 47.52 |
| 3962R-13TW | 47.52 | 51.48 |
| 3962R-14TW | 51.48 | 55.44 |



WAFER STRAIGHT 3.96 mm 3962S-XXTW

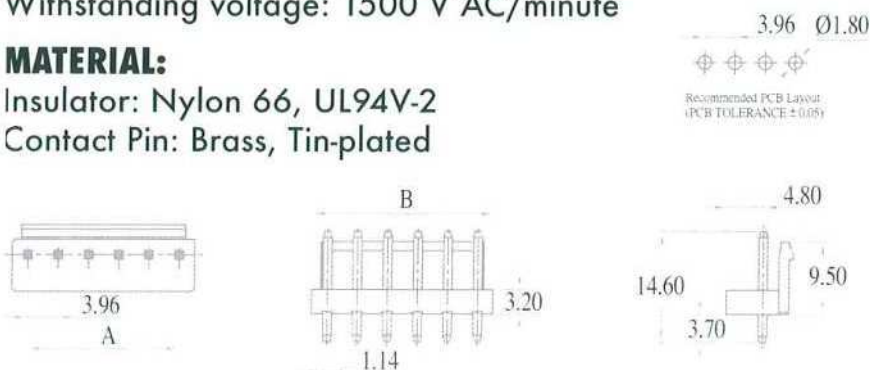
SPECIFICATION:

Current Rating: 5 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 1500 V AC/minute

MATERIAL:

Insulator: Nylon 66, UL94V-2
Contact Pin: Brass, Tin-plated

| PART NO. | Dimensions | |
|------------|------------|-------|
| | A | B |
| 3962S-02TW | 3.96 | 7.92 |
| 3962S-03TW | 7.92 | 11.88 |
| 3962S-04TW | 11.88 | 15.84 |
| 3962S-05TW | 15.84 | 19.80 |
| 3962S-06TW | 19.80 | 23.76 |
| 3962S-07TW | 23.76 | 27.72 |
| 3962S-08TW | 27.72 | 31.68 |
| 3962S-09TW | 31.68 | 35.64 |
| 3962S-10TW | 35.64 | 39.60 |
| 3962S-11TW | 39.60 | 43.56 |
| 3962S-12TW | 43.56 | 47.52 |
| 3962S-13TW | 47.52 | 51.48 |
| 3962S-14TW | 51.48 | 55.44 |
| 3962S-15TW | 55.44 | 59.40 |



HOUSING WAFER TERMINAL 3.96 mm

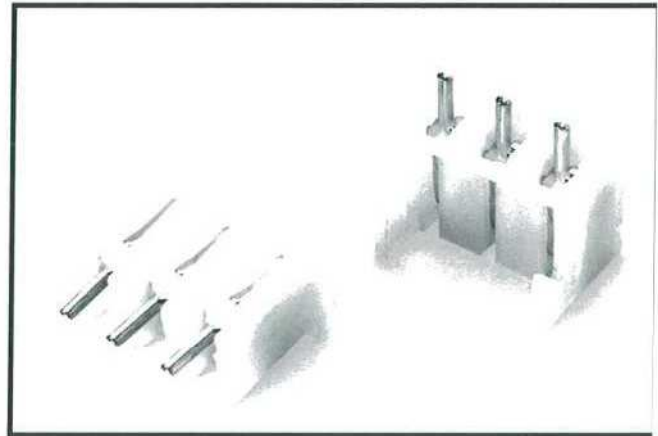
WAFER STRAIGHT 3.96 mm 3964XX-XXXW

SPECIFICATION:

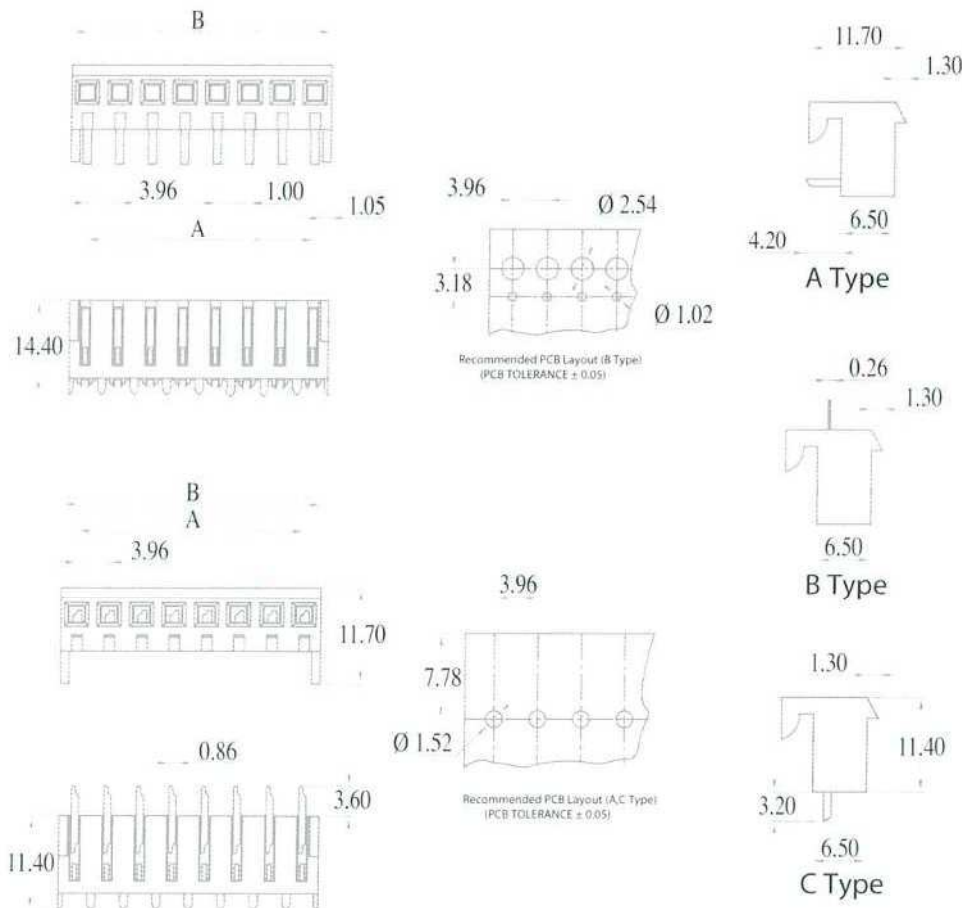
Current Rating: 7 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10 mΩ Max.
Insulation Resistance: 1000 MΩ Min.
Withstanding voltage: 1500 V AC/minute

MATERIAL:

Insulator: Nylon 66, UL94V-2
Contact Pin: Brass, Tin-plated

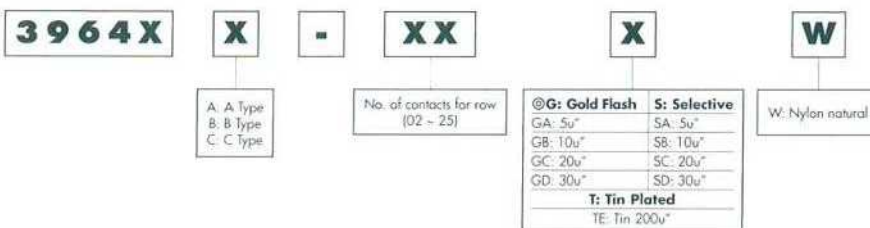


RoHS Compliant



| CONTACT | Dimensions | |
|---------|------------|-------|
| | A | B |
| 02 | 3.86 | 7.82 |
| 03 | 7.92 | 11.76 |
| 04 | 11.88 | 15.74 |
| 05 | 15.84 | 19.70 |
| 06 | 19.80 | 23.66 |
| 07 | 23.76 | 27.62 |
| 08 | 27.72 | 31.58 |
| 09 | 31.68 | 35.54 |
| 10 | 35.64 | 39.50 |
| 11 | 39.60 | 43.46 |
| 12 | 43.56 | 47.42 |
| 13 | 47.52 | 51.38 |
| 14 | 51.48 | 55.34 |
| 15 | 55.44 | 59.30 |
| 16 | 59.40 | 63.26 |
| 17 | 63.36 | 67.22 |
| 18 | 67.32 | 71.18 |
| 19 | 71.28 | 75.14 |
| 20 | 75.24 | 79.10 |
| 21 | 79.20 | 83.06 |
| 22 | 83.16 | 87.02 |
| 23 | 87.12 | 90.98 |
| 24 | 91.08 | 94.94 |
| 25 | 95.04 | 98.90 |

ORDERING CODE

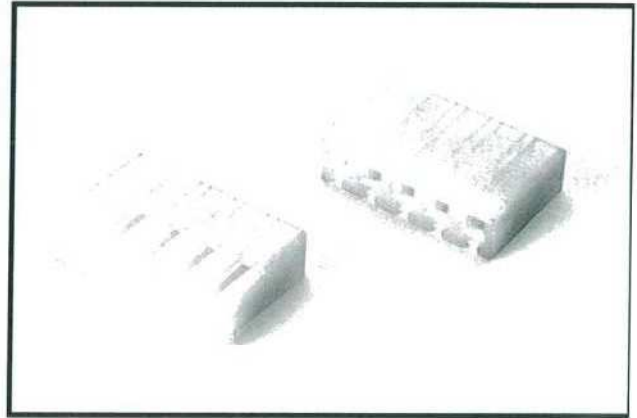
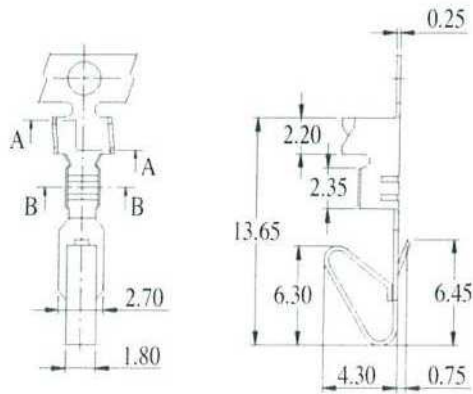


Ⓞ: Standard Recommend

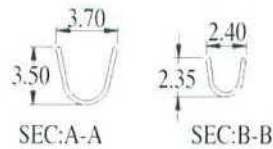
WIRE TO BOARD & WIRE TO WIRE CONNECTORS

HOUSING WAFER TERMINAL 5.08 mm

TERMINAL 5.08 mm 5083-T



RoHS Compliant



| Wire Range | Insulation O.D. | Material | Finish | Qty/reel |
|------------|-----------------|----------|------------|----------|
| AWG#18-#22 | 2.80mm(max) | Brass | Tin-plated | 6,000pcs |

HOUSING 5.08 mm 5083H-XXW

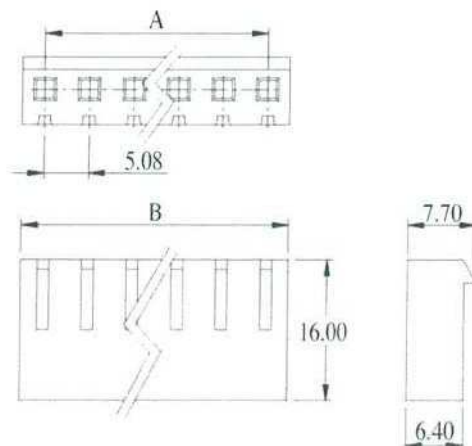
SPECIFICATION:

Current Rating: 7 AMP AC, DC
 Voltage Rating: 250 V AC, DC
 Temperature Range: -25 °C to +85 °C
 Contact Resistance: 10 m Ω Max.
 Insulation Resistance: 1000 M Ω Min.
 Withstanding voltage: 1500 V AC/minute

MATERIAL:

Nylon 66, UL94V-2

| PART. NO. | Dimensions | | PART. NO. | Dimensions | |
|-----------|------------|-------|-----------|------------|--------|
| | A | B | | A | B |
| 5083H-02W | 5.08 | 10.08 | 5083H-11W | 50.80 | 55.80 |
| 5083H-03W | 10.16 | 15.16 | 5083H-12W | 55.88 | 60.88 |
| 5083H-04W | 15.24 | 20.24 | 5083H-13W | 60.96 | 65.96 |
| 5083H-05W | 20.32 | 25.32 | 5083H-14W | 66.04 | 71.04 |
| 5083H-06W | 25.40 | 30.40 | 5083H-15W | 71.12 | 76.12 |
| 5083H-07W | 30.48 | 35.48 | 5083H-16W | 76.20 | 81.20 |
| 5083H-08W | 35.56 | 40.56 | 5083H-17W | 81.28 | 86.28 |
| 5083H-09W | 40.64 | 45.64 | 5083H-18W | 86.36 | 91.36 |
| 5083H-10W | 45.72 | 50.72 | 5083H-19W | 91.44 | 96.44 |
| | | | 5083H-20W | 96.52 | 101.52 |



HOUSING WAFER TERMINAL 5.08 mm

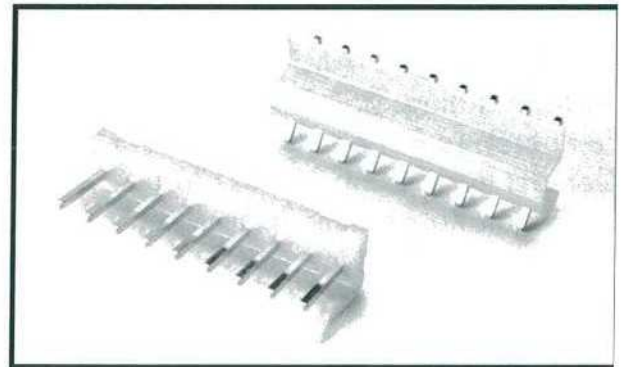
WAFER RIGHT ANGLE 5.08 mm 5083RA-XXTW

SPECIFICATION:

Current Rating: 7 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 1500 V AC/minute

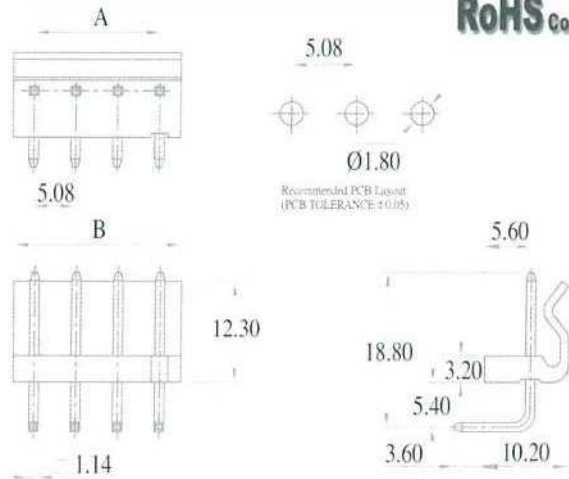
MATERIAL:

Insulator: Nylon 66, UL94V-2
Contact Pin: Brass, Tin-plated



RoHS Compliant

| PART NO. | Dimensions | | PART NO. | Dimensions | |
|-------------|------------|-------|-------------|------------|--------|
| | A | B | | A | B |
| 5083RA-02TW | 5.08 | 10.16 | 5083RA-11TW | 50.80 | 55.88 |
| 5083RA-03TW | 10.16 | 15.24 | 5083RA-12TW | 55.88 | 60.96 |
| 5083RA-04TW | 15.24 | 20.32 | 5083RA-13TW | 60.96 | 66.04 |
| 5083RA-05TW | 20.32 | 25.40 | 5083RA-14TW | 66.04 | 71.12 |
| 5083RA-06TW | 25.40 | 30.48 | 5083RA-15TW | 71.12 | 76.20 |
| 5083RA-07TW | 30.48 | 35.56 | 5083RA-16TW | 76.20 | 81.28 |
| 5083RA-08TW | 35.56 | 40.64 | 5083RA-17TW | 81.28 | 86.36 |
| 5083RA-09TW | 40.64 | 45.72 | 5083RA-18TW | 86.36 | 91.44 |
| 5083RA-10TW | 45.72 | 50.80 | 5083RA-19TW | 91.44 | 96.52 |
| | | | 5083RA-20TW | 96.52 | 101.60 |



WAFER STRAIGHT 5.08 mm 5083SA-XXTW

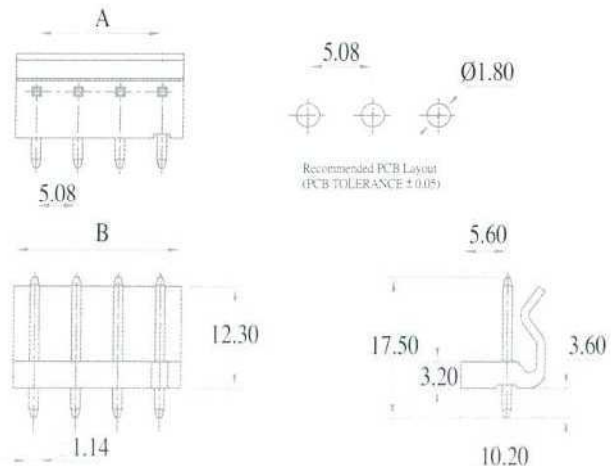
SPECIFICATION:

Current Rating: 7 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10 m Ω Max.
Insulation Resistance: 1000 M Ω Min.
Withstanding voltage: 1500 V AC/minute

MATERIAL:

Insulator: Nylon 66, UL94V-2
Contact Pin: Brass, Tin-plated

| PART NO. | Dimensions | | PART NO. | Dimensions | |
|-------------|------------|-------|-------------|------------|--------|
| | A | B | | A | B |
| 5083SA-02TW | 5.08 | 10.16 | 5083SA-11TW | 50.80 | 55.88 |
| 5083SA-03TW | 10.16 | 15.24 | 5083SA-12TW | 55.88 | 60.96 |
| 5083SA-04TW | 15.24 | 20.32 | 5083SA-13TW | 60.96 | 66.04 |
| 5083SA-05TW | 20.32 | 25.40 | 5083SA-14TW | 66.04 | 71.12 |
| 5083SA-06TW | 25.40 | 30.48 | 5083SA-15TW | 71.12 | 76.20 |
| 5083SA-07TW | 30.48 | 35.56 | 5083SA-16TW | 76.20 | 81.28 |
| 5083SA-08TW | 35.56 | 40.64 | 5083SA-17TW | 81.28 | 86.36 |
| 5083SA-09TW | 40.64 | 45.72 | 5083SA-18TW | 86.36 | 91.44 |
| 5083SA-10TW | 45.72 | 50.80 | 5083SA-19TW | 91.44 | 96.52 |
| | | | 5083SA-20TW | 96.52 | 101.60 |



HOUSING WAFER TERMINAL 5.08 mm

WAFER RIGHT ANGLE 5.08 mm 5083RB-XXTW

SPECIFICATION:

Current Rating: 7 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10 mΩ Max.
Insulation Resistance: 1000 MΩ Min.
Withstanding voltage: 1500 V AC/minute

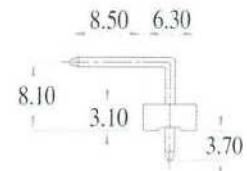
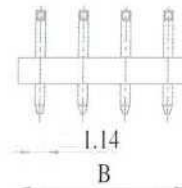
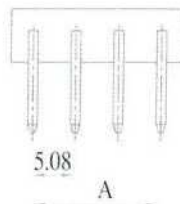
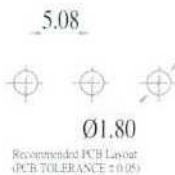
MATERIAL:

Insulator: Nylon 66, UL94V-2
Contact Pin: Brass, Tin-plated



RoHS Compliant

| PART NO. | Dimensions | |
|-------------|------------|-------|
| | A | B |
| 5083RB-02TW | 5.08 | 10.16 |
| 5083RB-03TW | 10.16 | 15.24 |
| 5083RB-04TW | 15.24 | 20.32 |
| 5083RB-05TW | 20.32 | 25.40 |
| 5083RB-06TW | 25.40 | 30.48 |
| 5083RB-07TW | 30.48 | 35.56 |
| 5083RB-08TW | 35.56 | 40.64 |
| 5083RB-09TW | 40.64 | 45.72 |
| 5083RB-10TW | 45.72 | 50.80 |
| 5083RB-11TW | 50.80 | 55.88 |
| 5083RB-12TW | 55.88 | 60.96 |



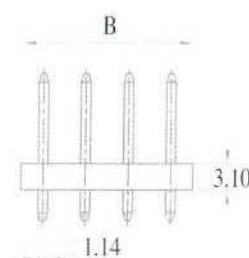
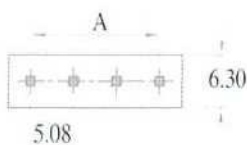
WAFER STRAIGHT 5.08 mm 5083SB-XXTW

SPECIFICATION:

Current Rating: 7 AMP AC, DC
Voltage Rating: 250 V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10 mΩ Max.
Insulation Resistance: 1000 MΩ Min.
Withstanding voltage: 1500 V AC/minute

MATERIAL:

Insulator: Nylon 66, UL94V-2
Contact Pin: Brass, Tin-plated



| PART NO. | Dimensions | |
|-------------|------------|-------|
| | A | B |
| 5083SB-02TW | 5.08 | 10.16 |
| 5083SB-03TW | 10.16 | 15.24 |
| 5083SB-04TW | 15.24 | 20.32 |
| 5083SB-05TW | 20.32 | 25.40 |
| 5083SB-06TW | 25.40 | 30.48 |
| 5083SB-07TW | 30.48 | 35.56 |
| 5083SB-08TW | 35.56 | 40.64 |
| 5083SB-09TW | 40.64 | 45.72 |
| 5083SB-10TW | 45.72 | 50.80 |
| 5083SB-11TW | 50.80 | 55.88 |
| 5083SB-12TW | 55.88 | 60.96 |

WIRE TO BOARD CONNECTIONS

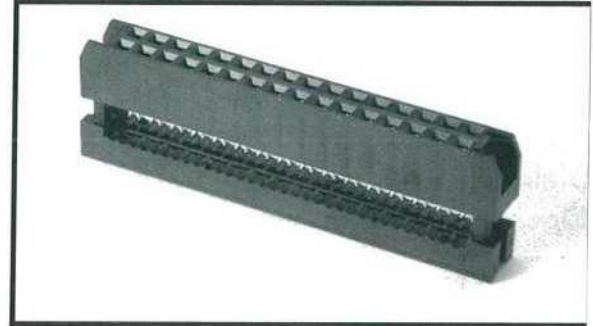
IDC SOCKET 2.0 mm

SPECIFICATION:

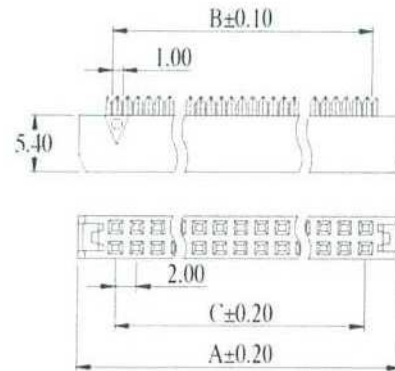
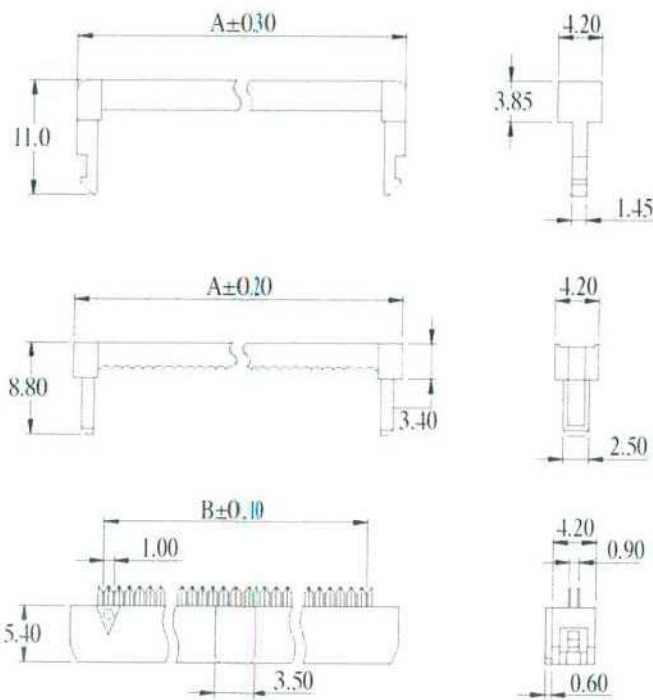
Current Rate: 1 AMP
 Insulation Resistance: 1000 M Ω Min.
 Contact Resistance: 30 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -55 °C to +105 °C

MATERIAL:

Insulator: PBT+30% Glass Fiber (UL 94V-0)
 Contact Pin: Phosphor Bronze



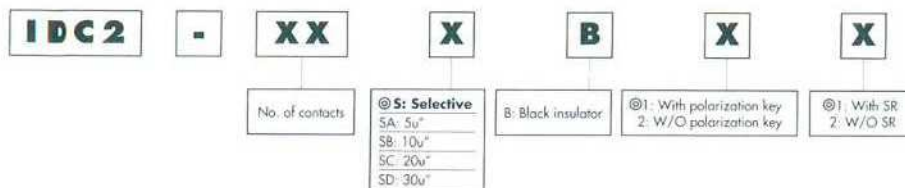
RoHS Compliant



Mate flat cable 1.0 mm

| No. of Contacts | Dimensions | | | No. of Contacts | Dimensions | | |
|-----------------|------------|-------|-------|-----------------|------------|-------|-------|
| | A | B | C | | A | B | C |
| 6 | 11.20 | 5.00 | 4.00 | 36 | 41.20 | 35.00 | 34.00 |
| 8 | 13.20 | 7.00 | 6.00 | 38 | 43.20 | 37.00 | 36.00 |
| 10 | 15.20 | 9.00 | 8.00 | 40 | 45.20 | 39.00 | 38.00 |
| 12 | 17.20 | 11.00 | 10.00 | 44 | 49.20 | 43.00 | 42.00 |
| 14 | 19.20 | 13.00 | 12.00 | 48 | 53.20 | 47.00 | 46.00 |
| 16 | 21.20 | 15.00 | 14.00 | 50 | 55.20 | 49.00 | 48.00 |
| 18 | 23.20 | 17.00 | 16.00 | 54 | 59.20 | 53.00 | 52.00 |
| 20 | 25.20 | 19.00 | 18.00 | 56 | 61.20 | 55.00 | 54.00 |
| 22 | 27.20 | 21.00 | 20.00 | 60 | 65.20 | 59.00 | 58.00 |
| 24 | 29.20 | 23.00 | 22.00 | 62 | 67.20 | 61.00 | 60.00 |
| 26 | 31.20 | 25.00 | 24.00 | 64 | 69.20 | 63.00 | 62.00 |
| 28 | 33.20 | 27.00 | 26.00 | 68 | 73.20 | 67.00 | 66.00 |
| 30 | 35.20 | 29.00 | 28.00 | 80 | 85.20 | 79.00 | 78.00 |
| 32 | 37.20 | 31.00 | 30.00 | 100 | 105.20 | 99.00 | 98.00 |
| 34 | 39.20 | 33.00 | 32.00 | | | | |

ORDERING CODE



©:Standard Recommend

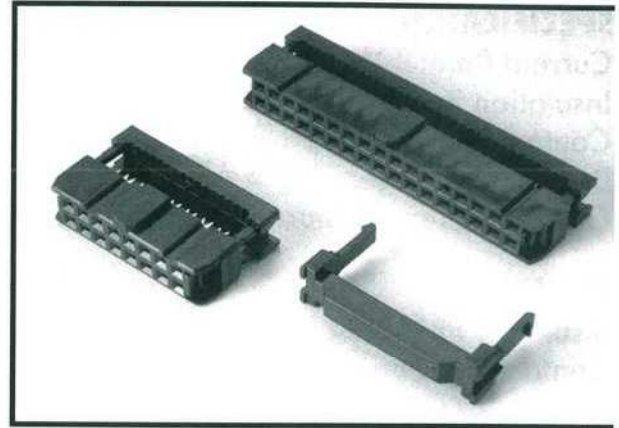
IDC SOCKET 2.54 mm

SPECIFICATION:

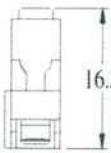
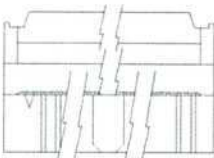
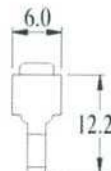
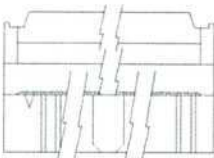
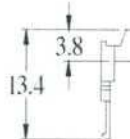
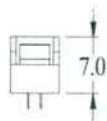
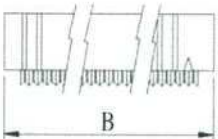
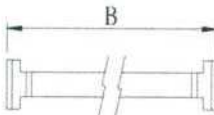
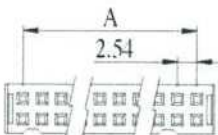
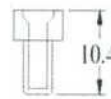
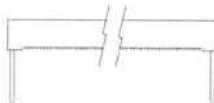
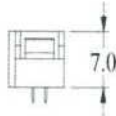
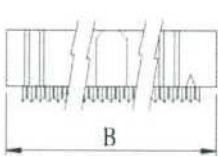
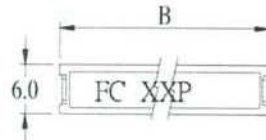
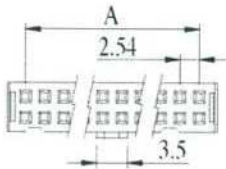
Current Rate: 1 AMP
 Insulation Resistance: 1000 M Ω Min.
 Contact Resistance: 30 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -55°C to +105°C

MATERIAL:

Insulator: PBT+25% Glass Fiber (UL 94V-0)
 Contact Pin: Phosphor Bronze



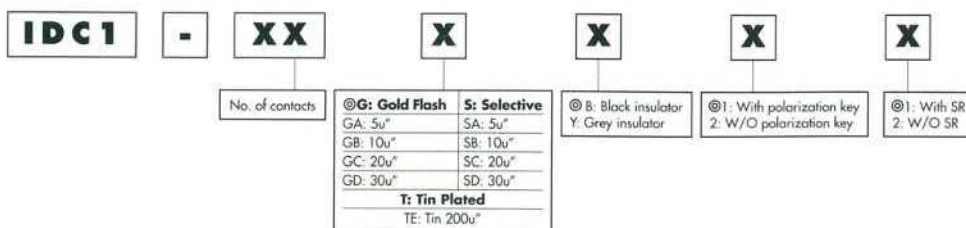
RoHS Compliant



Mate flat cable 1.27 mm

| Position | Dimensions | |
|----------|--------------|-------------|
| | A \pm 0.05 | B \pm 0.1 |
| 6P | 5.08 | 12.16 |
| 8P | 7.62 | 14.74 |
| 10P | 10.16 | 17.20 |
| 12P | 12.70 | 19.80 |
| 14P | 15.24 | 22.50 |
| 16P | 17.78 | 24.94 |
| 20P | 22.86 | 30.08 |
| 24P | 27.94 | 35.15 |
| 26P | 30.48 | 37.58 |
| 30P | 35.56 | 42.66 |
| 34P | 40.64 | 47.80 |
| 40P | 48.26 | 55.42 |
| 44P | 53.34 | 60.56 |
| 50P | 60.96 | 68.28 |
| 56P | 68.58 | 75.74 |
| 60P | 73.66 | 80.96 |
| 62P | 76.20 | 83.32 |
| 64P | 78.74 | 85.94 |

ORDERING CODE



Ⓞ: Standard Recommend

D-SUB CONNECTOR SERIES

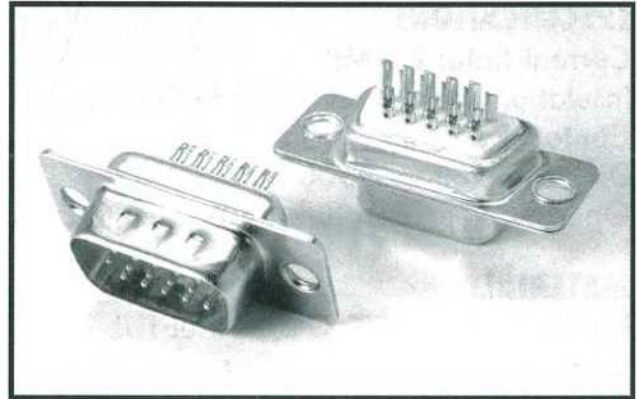
D-SUB HIGH DENSITY SOLDER TYPE

SPECIFICATION:

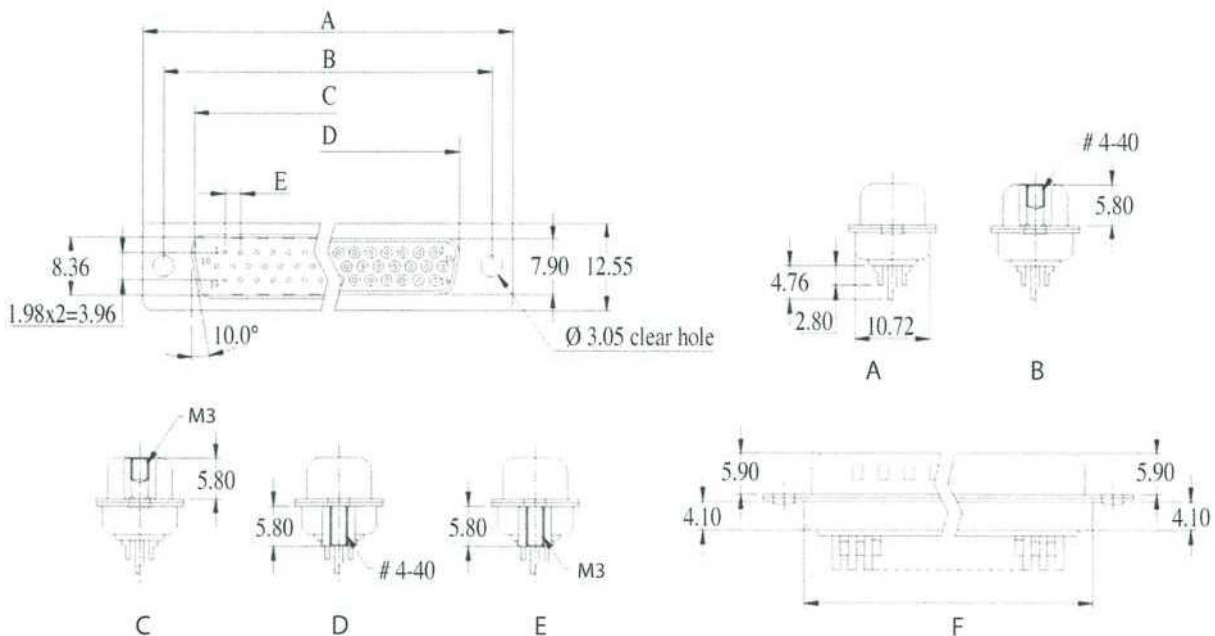
Current Rate: 3 AMP
 Insulation Resistance: 1000 M Ω Min.
 Contact Resistance: 13 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -55°C to +105°C

MATERIAL:

Insulator: PBT+30% Glass Fiber (UL 94V-0)
 Contact Pin F: Phosphor Bronze or Brass
 Contact Pin M: Brass



RoHS Compliant



| Positions | A | B | C | D | E | F |
|-----------|-------|-------|-------|-------|------|-------|
| 15 | 30.81 | 24.99 | 16.92 | 16.33 | 2.29 | 19.20 |
| 26 | 39.14 | 33.32 | 25.50 | 24.66 | 2.29 | 27.70 |
| 44 | 53.04 | 47.04 | 38.96 | 38.38 | 2.29 | 41.10 |
| 62 | 69.32 | 63.50 | 55.42 | 54.84 | 2.41 | 57.30 |

ORDERING CODE

HDBS - **X** **XX** **X** **X** **X** **X**

M: Male
 F: Female

No. of contacts

ⓄG: Gold Flash
 GA: 5 μ "
 GB: 10 μ "
 GC: 20 μ "
 GD: 30 μ "

S: Selective
 SA: 5 μ "
 SB: 10 μ "
 SC: 20 μ "
 SD: 30 μ "

T: Tin Plated
 TE: Tin 200 μ "

ⓄB: Black insulator
 U: Blue insulator
 W: White insulator

ⓄT: Tin shell
 N: Nickel shell

A: Non accessories
 B: Front rivet #4-40 height = 5.8
 C: Front rivet M3 height = 5.8
 D: Rear rivet #4-40 height = 5.8
 E: Rear rivet M3 height = 5.8

©:Standard Recommend

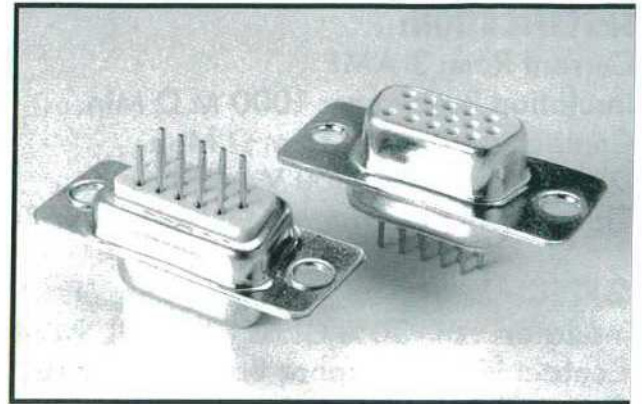
D-SUB HIGH DENSITY PCB STRAIGHT TYPE

SPECIFICATION:

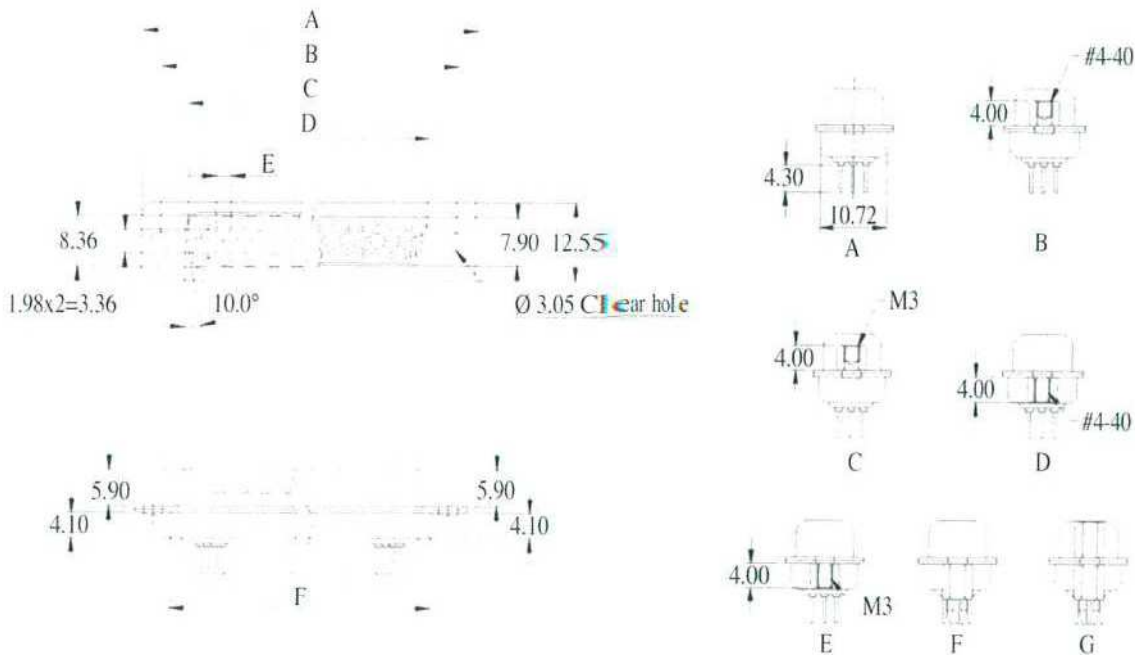
Current Rate: 3 AMP
 Insulation Resistance: 1000 M Ω Min.
 Contact Resistance: 13 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: PBT+30% Glass Fiber (UL 94V-0)
 Contact Pin F: Phosphor Bronze or Brass
 Contact Pin M: Brass



RoHS Compliant



Dimensions

| Positions | A | B | C | D | E | F |
|-----------|-------|-------|-------|-------|------|-------|
| 15 | 30.81 | 24.99 | 16.92 | 16.33 | 2.29 | 19.20 |
| 26 | 39.14 | 33.32 | 25.50 | 24.66 | 2.29 | 27.70 |
| 44 | 53.04 | 47.04 | 38.96 | 38.38 | 2.29 | 41.10 |
| 62 | 69.32 | 63.50 | 55.42 | 54.84 | 2.41 | 57.30 |

ORDERING CODE

HDBD - **X** **XX** **X** **X** **X**

| | | | | | | |
|----------------------|-----------------|--|--|---|-----------------------------------|--|
| M: Male F: Female | No. of contacts | ⓄG: Gold Flash GA: 5u" GB: 10u" GC: 20u" GD: 30u" T: Tin Plate TE: Tin 200u" | S: Selective SA: 5u" SB: 10u" SC: 20u" SD: 30u" | Ⓞ B: Black insulator U: Blue insulator W: White insulator | Ⓞ T: Tin shell N: Nickel shell | A: Non accessories B: Front rivet #4-40 height = 4.0 C: Front rivet M3 height = 4.0 D: Rear rivet #4-40 height = 4.0 E: Rear rivet M3 height = 4.0 F: Rear rivet boardlock G: Rear rivet boardlock + screw |
|----------------------|-----------------|--|--|---|-----------------------------------|--|

Ⓞ: Standard Recommend

D-SUB CONNECTOR SERIES

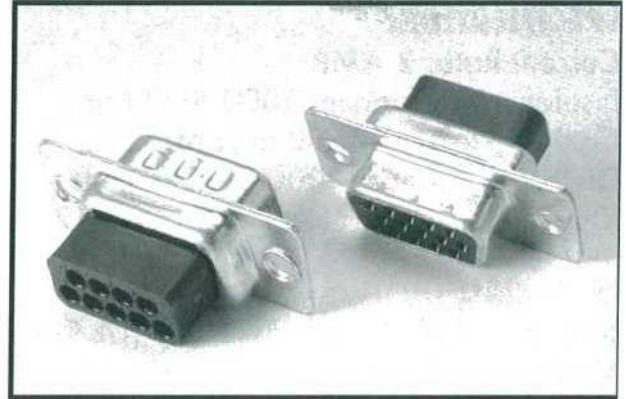
D-SUB HIGH DENSITY CRIMP TYPE

SPECIFICATION:

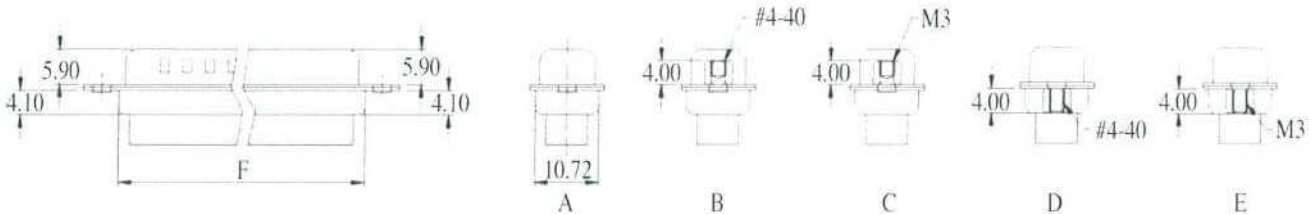
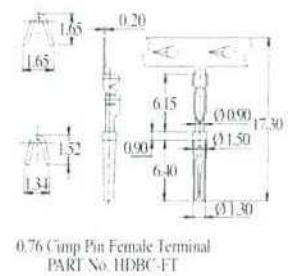
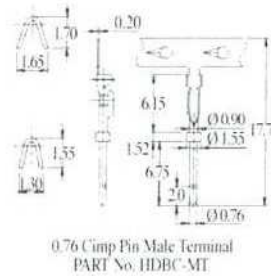
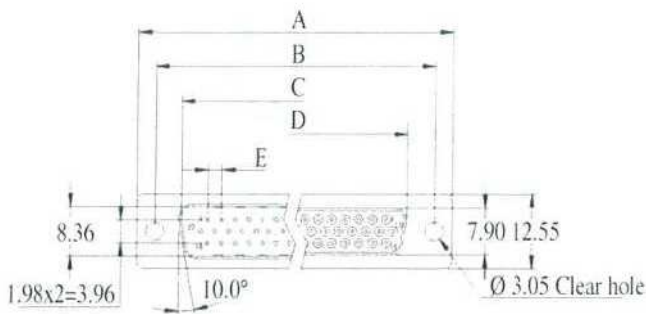
Current Rate: 3 AMP
 Insulation Resistance: 1000 M Ω Min.
 Contact Resistance: 13 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: PBT+30% Glass Fiber (UL 94V-0)
 Contact Pin F: Phosphor Bronze or Brass
 Contact Pin M: Brass



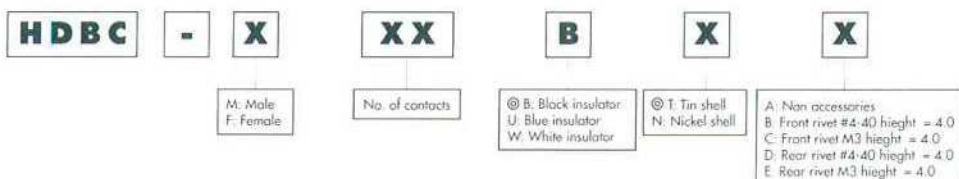
RoHS Compliant



Dimensions

| Positions | A | B | C | D | E | F |
|-----------|-------|-------|-------|-------|------|-------|
| 15 | 30.81 | 24.99 | 16.92 | 16.33 | 2.29 | 19.20 |
| 26 | 39.14 | 33.32 | 25.50 | 24.66 | 2.29 | 27.70 |
| 44 | 53.04 | 47.04 | 38.96 | 38.38 | 2.29 | 41.10 |
| 62 | 69.32 | 63.50 | 55.42 | 54.84 | 2.41 | 57.30 |

ORDERING CODE



©: Standard Recommend

D-SUB CONNECTOR SERIES

D-SUB

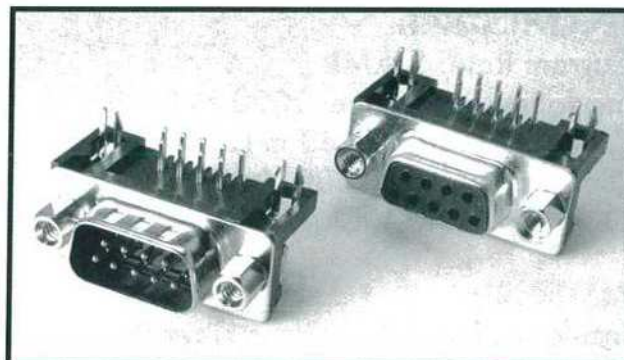
RIGHT ANGLE TYPE - Height 7.2/9.4/13.84 mm

SPECIFICATION:

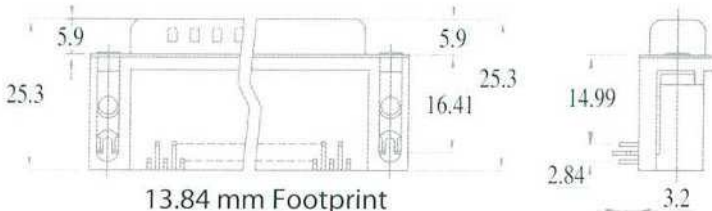
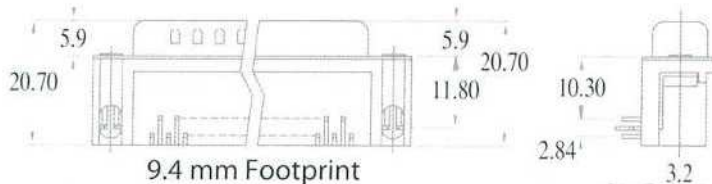
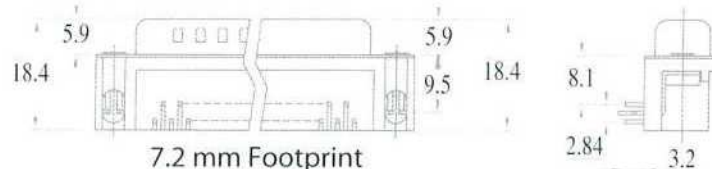
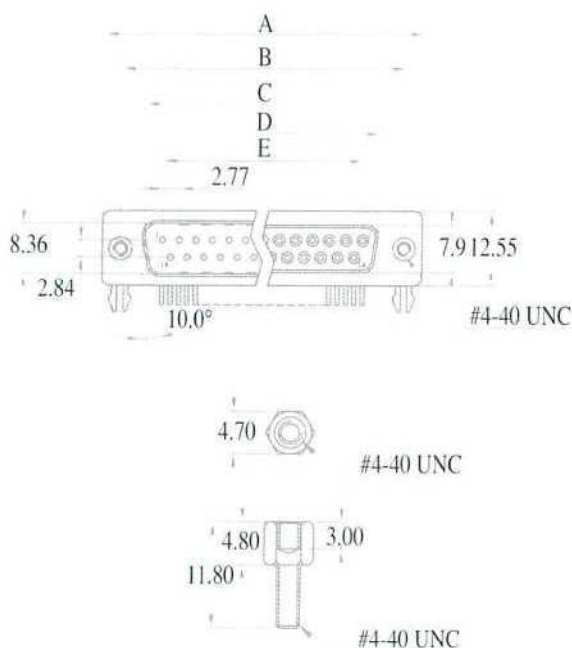
Current Rate: 3 AMP
 Insulation Resistance: 1000 M Ω Min.
 Contact Resistance: 30 m Ω Max.
 Dielectric voltage: 1000 V AC/minute
 Operation Temperature: -55 °C to +105 °C

MATERIAL:

Insulator: PBT+30% Glass Fiber (UL 94V-0)
 Contact Pin F: Phosphor Bronze or Brass
 Contact Pin M: Brass

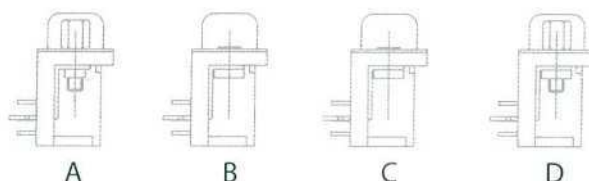


RoHS Compliant



Dimensions

| Positions | A | B | C | D | E |
|-----------|-------|-------|-------|-------|-------|
| 9 | 30.81 | 24.99 | 16.92 | 16.33 | 11.08 |
| 15 | 39.14 | 33.32 | 25.50 | 24.66 | 19.39 |
| 25 | 53.04 | 47.04 | 38.96 | 38.38 | 33.24 |
| 37 | 69.32 | 63.50 | 55.42 | 54.84 | 49.86 |



ORDERING CODE

DBR X - X XX X B X X

| | | | | | | | |
|---|----------------------|-----------------|--|--|--------------------|-------------------|--|
| 1: Foot print = 7.2 2: Foot print = 9.4 3: Foot print = 13.84 | M: Male F: Female | No. of contacts | G: Gold Flash GA: 5u" GB: 10u" GC: 20u" GD: 30u" T: Tin Plated TE: Tin 200u" | S: Selective SA: 5u" SB: 10u" SC: 20u" SD: 30u" | B: Black insulator | 1: Fork grounding | A: Jack screw insert B: Rivet C: Rivet & Jack screw attached D: Rivet & Jack screw insert |
|---|----------------------|-----------------|--|--|--------------------|-------------------|--|

©:Standard Recommend

D-SUB CONNECTOR SERIES

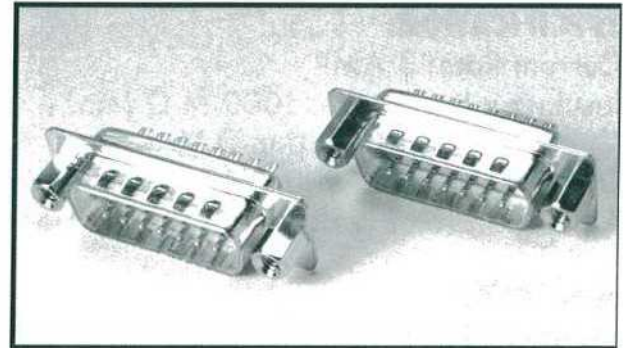
D-SUB SOLDER TYPE

SPECIFICATION:

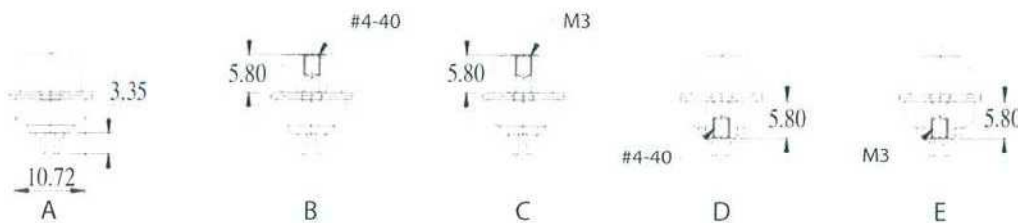
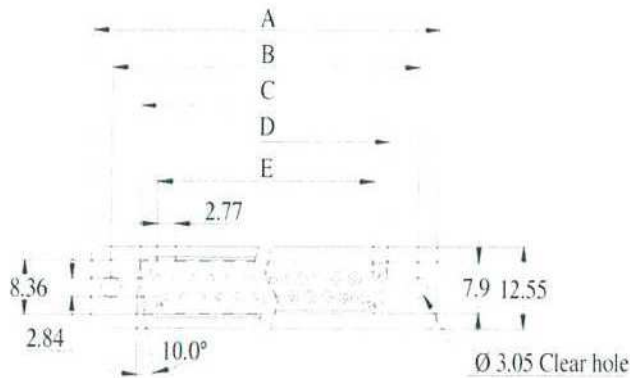
Current Rate: 3 AMP
 Insulation Resistance: 1000 M Ω Min.
 Contact Resistance: 30 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: PBT+30% Glass Fiber (UL 94V-0)
 Contact Pin F: Phosphor Bronze or Brass
 Contact Pin M: Brass



RoHS Compliant



Dimensions

| Positions | A | B | C | D | E | F |
|-----------|-------|-------|-------|-------|-------|-------|
| 9 | 30.81 | 24.99 | 16.92 | 16.33 | 11.08 | 19.20 |
| 15 | 39.14 | 33.32 | 25.50 | 24.66 | 19.39 | 27.70 |
| 25 | 53.04 | 47.04 | 38.96 | 38.38 | 33.24 | 41.10 |
| 37 | 69.32 | 63.50 | 55.42 | 54.84 | 49.86 | 57.30 |

ORDERING CODE

DBS - **X** **XX** **X** **X** **X** **X**

M: Male
 F: Female

No. of contacts

G: Gold Flash **@ S: Selective**
 GA: 5u" SA: 5u"
 GB: 10u" SB: 10u"
 GC: 20u" SC: 20u"
 GD: 30u" SD: 30u"
T: Tin Plated
 TE: Tin 200u"

B: Black insulator
 U: Blue insulator
 W: White insulator

@T: Tin shell
 N: Nickel shell

A: Non accessories
 B: Front rivet #4-40 height = 5.8
 C: Front rivet M3 height = 5.8
 D: Rear rivet #4-40 height = 5.8
 E: Rear rivet M3 height = 5.8

©:Standard Recommend

D-SUB CONNECTOR SERIES

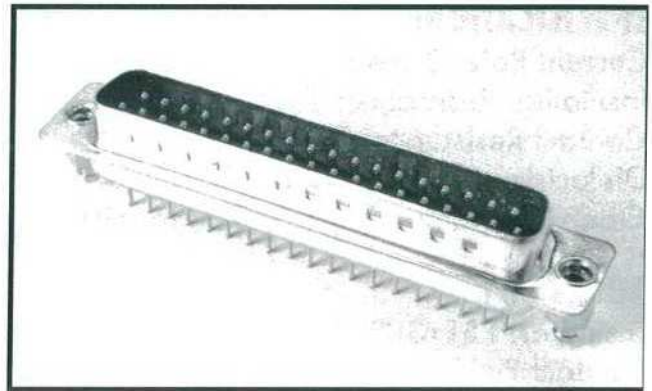
D-SUB P.C.B. STRAIGHT TYPE

SPECIFICATION:

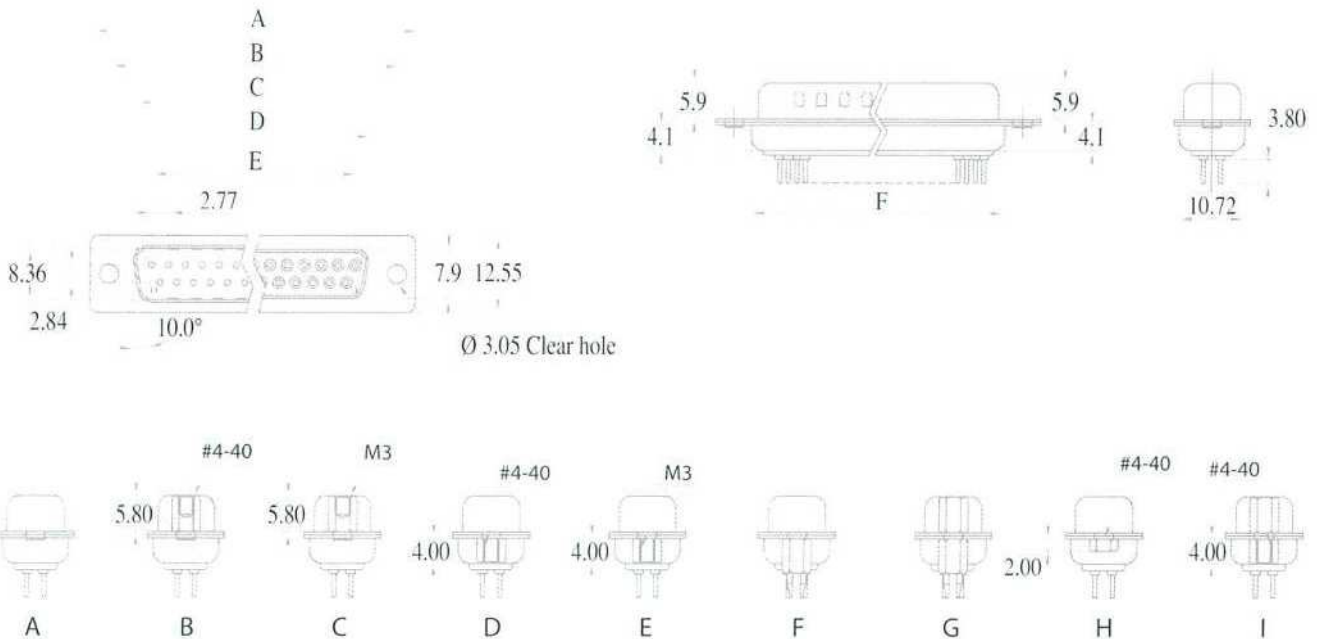
Current Rate: 3 AMP
 Insulation Resistance: 1000 M Ω Min.
 Contact Resistance: 30 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: PBT+30% Glass Fiber (UL 94V-0)
 Contact Pin F: Phosphor Bronze or Brass
 Contact Pin M: Brass



RoHS Compliant



Dimensions

| Positions | A | B | C | D | E | F |
|-----------|-------|-------|-------|-------|-------|-------|
| 9 | 30.81 | 24.99 | 16.92 | 16.33 | 11.08 | 19.20 |
| 15 | 39.14 | 33.32 | 25.50 | 24.66 | 19.39 | 27.70 |
| 25 | 53.04 | 47.04 | 38.96 | 38.38 | 33.24 | 41.10 |
| 37 | 69.32 | 63.50 | 55.42 | 54.84 | 49.86 | 57.30 |

ORDERING CODE

DBD - X XX X X X X

| | | | | | | |
|----------------------|-----------------|--|--|---|---------------------------------|---|
| M: Male F: Female | No. of contacts | G: Gold Flash GA: 5u" GB: 10u" GC: 20u" GD: 30u" T: Tin Plated TE: Tin 200u" | S: Selective SA: 5u" SB: 10u" SC: 20u" SD: 30u" | W: White insulator B: Black insulator U: Blue insulator | T: Tin shell N: Nickel shell | A: Non accessories B: Front rivet #4-40 height = 5.8 C: Front rivet M3 height = 5.8 D: Rear rivet #4-40 height = 4.0 E: Rear rivet M3 height = 4.0 F: Rear rivet boardlock G: Rear rivet boardlock + screw H: Rear rivet #4-40 height = 2.0 I: Rear rivet M3 height = 4.0 + screw |
|----------------------|-----------------|--|--|---|---------------------------------|---|

©:Standard Recommend

D-SUB CONNECTOR SERIES

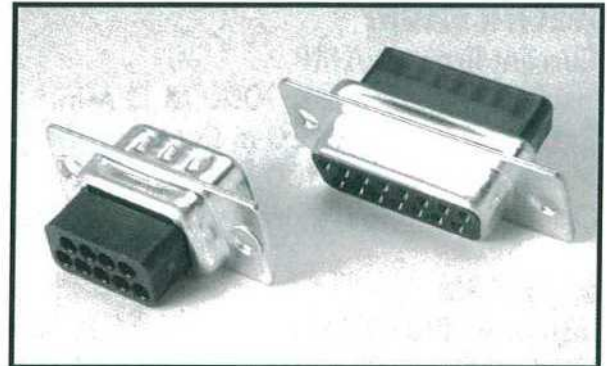
D-SUB CRIMP TYPE

SPECIFICATION:

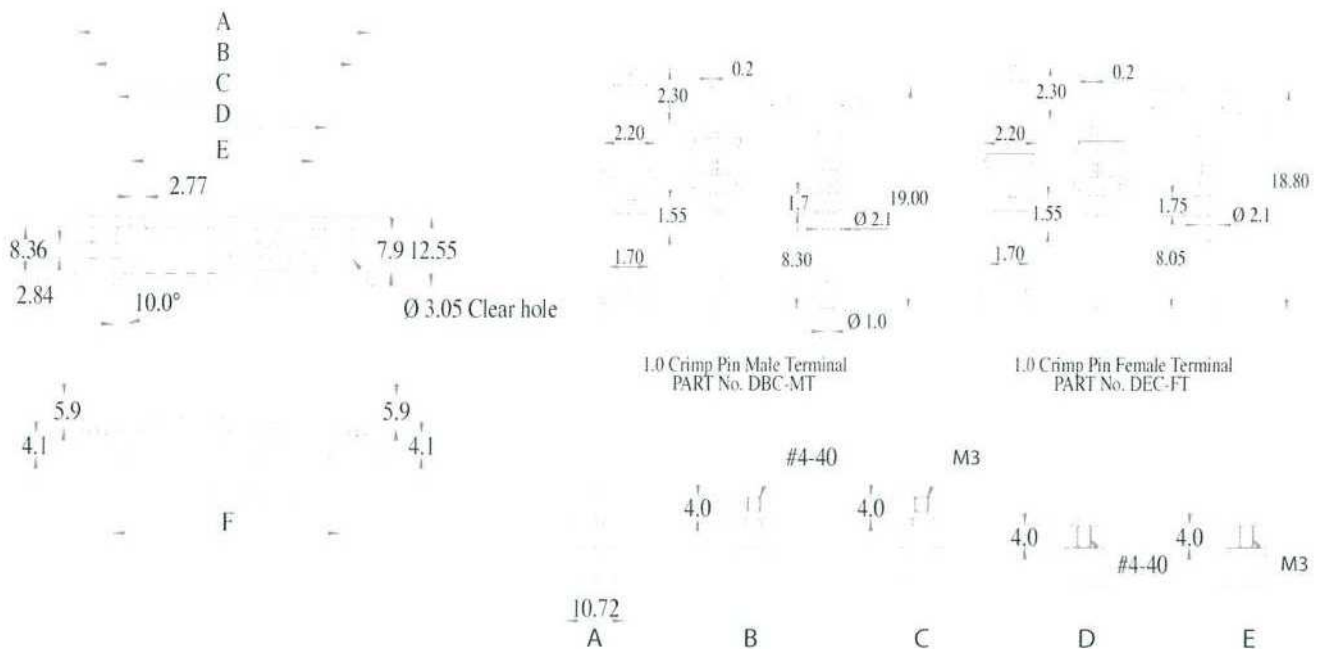
Current Rate: 3 AMP
 Insulation Resistance: 1000 M Ω Min.
 Contact Resistance: 30 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: PBT+30% Glass Fiber (UL 94V-0)
 Contact Pin F: Phosphor Bronze or Brass
 Contact Pin M: Brass



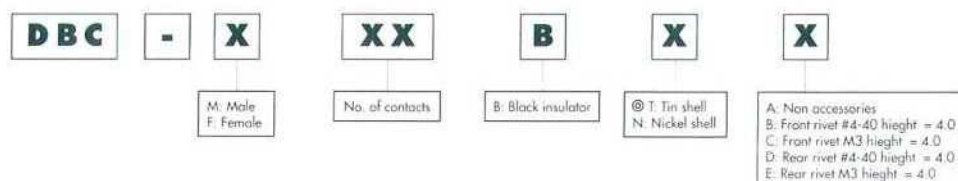
RoHS Compliant



Dimensions

| Positions | A | B | C | D | E | F |
|-----------|-------|-------|-------|-------|-------|-------|
| 9 | 30.81 | 24.99 | 16.92 | 16.33 | 11.08 | 19.20 |
| 15 | 39.14 | 33.32 | 25.50 | 24.66 | 19.39 | 27.70 |
| 25 | 53.04 | 47.04 | 38.96 | 38.38 | 33.24 | 41.10 |
| 37 | 69.32 | 63.50 | 55.42 | 54.84 | 49.86 | 57.30 |

ORDERING CODE



©:Standard Recommend

D-SUB CONNECTOR SERIES

D-SUB

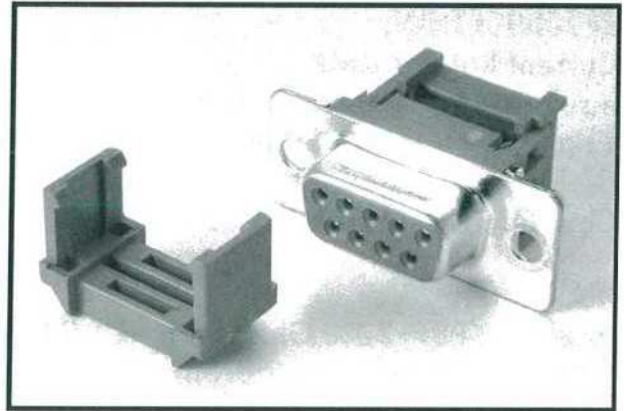
I.D.C. TYPE Height 1.0/3.0 mm - METAL & PLASTIC TYPE

SPECIFICATION:

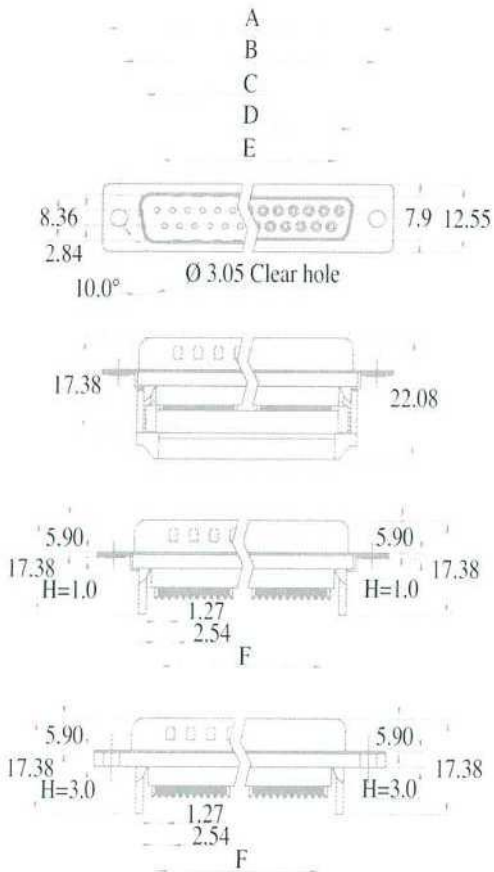
Current Rate: 3 AMP
 Insulation Resistance: 1000 M Ω Min.
 Contact Resistance: 20 m Ω Max.
 Dielectric voltage: 500 V AC/minute
 Operation Temperature: -40°C to +105°C

MATERIAL:

Insulator: PBT+30% Glass Fiber (UL 94V-0)
 Contact Pin F: Phosphor Bronze or Brass
 Contact Pin M: Brass

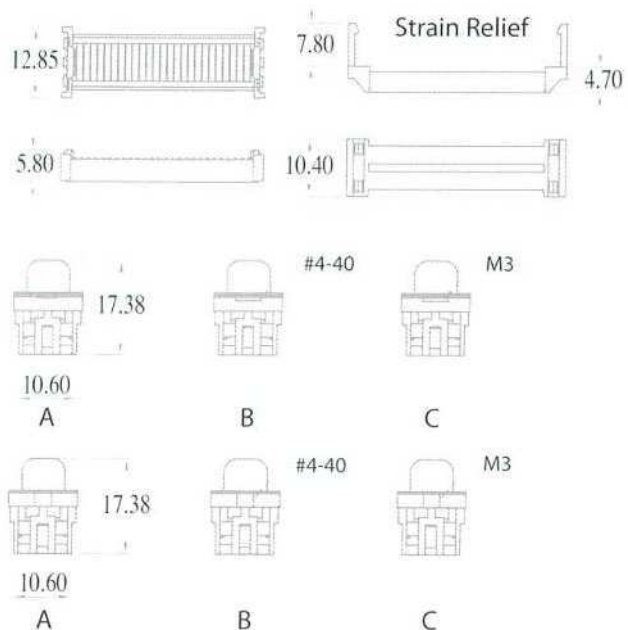


RoHS Compliant

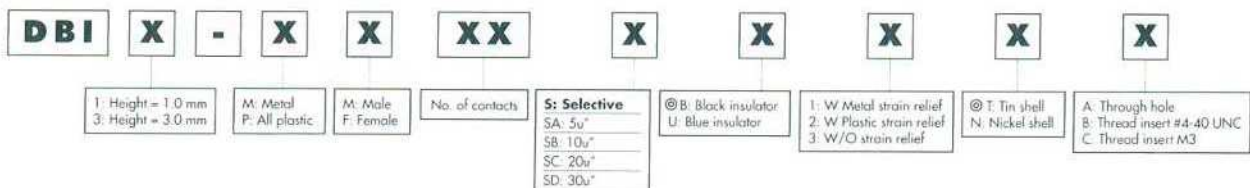


Dimensions

| Positions | A | B | C | D | E | F |
|-----------|-------|-------|-------|-------|-------|-------|
| 9 | 30.81 | 24.99 | 16.92 | 16.33 | 11.08 | 10.16 |
| 15 | 39.14 | 33.32 | 25.50 | 24.66 | 19.39 | 17.78 |
| 25 | 53.04 | 47.04 | 38.96 | 38.38 | 33.24 | 30.48 |
| 37 | 69.32 | 63.50 | 55.42 | 54.84 | 49.86 | 45.72 |



ORDERING CODE



©:Standard Recommend

CP series TECHNICAL SPECIFICATIONS

TEST METHODS FOR ELECTRONIC CONNECTOR IS ACCORDING TO FOLLOWING MILITARY STANDARD:

| | |
|---------------------------------|-----------------------------------|
| Dielectric Withstanding Voltage | - Per MIL-STD-1344A method 3001.1 |
| Contact Resistance | - Per MIL-STD-1344A method 3002.1 |
| Insulation Resistance | - Per MIL-STD-1344A method 3003.1 |
| Solderability | - Per MIL-STD-202F method 208D |

2.5 mm Center spacing Wire to Wire Connector

ELECTRICAL DATA:

Current Rating: 3 AMPs max.
Insulation Resistance: > 500 M Ω Min.
Contact Resistance: < 20 m Ω Max.
Dielectric Withstanding: 1000 V AC /min
Operating Temperature: -25°C to +85°C
Applicable panel thickness: 0.5 to 2.0 mm

CONSTRUCTION:

Housing: Nylon 66, Color Black
Flammability Rating: UL 94V-2
Contacts: Copper alloy
Contacts plated: Tin over Nickel plated

3.0 mm Center spacing Wire to Wire Connector/Board Connector

ELECTRICAL DATA:

Current Rating: 5 AMPs max.
Insulation Resistance: > 1000 M Ω Min.
Contact Resistance: < 5 m Ω
Dielectric Withstanding: 1500 V AC /min
Operating Temperature: -40°C to +105°C

CONSTRUCTION:

Housing: Polyester, Color Black
DIP/SMT Type Header:
High temperature plastic, Color Black
Flammability Rating: UL 94V-0
Contacts: Copper alloy
Contacts plating: Tin over Nickel plated
Please see plating code for other options.

3.5 mm Center spacing Wire to Wire Connector/Board Connector

ELECTRICAL DATA:

Current Rating: 1 AMPs max.
Insulation Resistance: > 1000 M Ω Min.
Contact Resistance: < 10 m Ω Max.
Dielectric Withstanding: 3800 V AC /min
Operating Temperature: -25°C to +85°C

CONSTRUCTION:

Housing: Nylon 66, Color Nature
DIP/SMT Type Header:
High temperature plastic, Color Nature
Flammability Rating: UL 94V-0
Contacts: Copper alloy
Contacts plating: Tin over Nickel plated

4.0 mm Center spacing Wire to Wire Connector/Board Connector

ELECTRICAL DATA:

Current Rating: 1 AMPs max.
Insulation Resistance: > 1000 M Ω Min.
Contact Resistance: < 10 m Ω Max.
Dielectric Withstanding: 1800 V AC /min
Operating Temperature: -25°C to +85°C

CONSTRUCTION:

Housing: Nylon 66, Color Nature
DIP/SMT Type Header:
High temperature plastic, Color Nature
Flammability Rating: UL 94V-0
Contacts: Copper alloy
Contacts plating: Tin over Nickel plated

MINI FIT & MICRO FIT

CP series TECHNICAL SPECIFICATIONS

4.20 mm Center spacing Wire to Wire Connector/Board Connector

ELECTRICAL DATA:

Current Rating: 9 AMPs max.
 Insulation Resistance: > 1000 M Ω Min.
 Contact Resistance: < 10 m Ω Max.
 Dielectric Withstanding: 1500 V AC /min
 Operating Temperature: -25°C to +85°C

CONSTRUCTION:

Housing: Nylon 66, Color Nature
 DIP Type Header: Nylon 66, Color Nature
 Flammability Rating: UL 94V-0 or UL 94V-2
 Contacts: Copper alloy
 Contacts plating: Tin over Nickel plated
 Please see plating code for other options.

5.08 mm Center spacing Wire to Wire Connector

ELECTRICAL DATA:



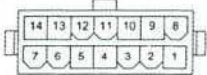
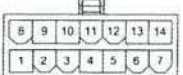


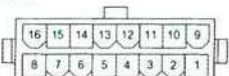
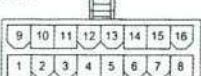
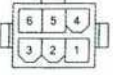

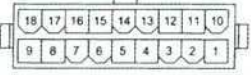
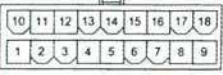
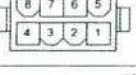
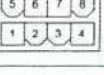
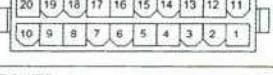
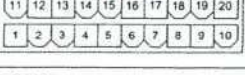
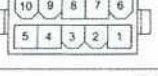
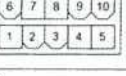
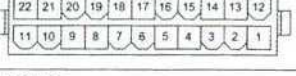
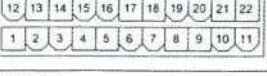




Current Rating: 6 AMPs max.
 Insulation Resistance: > 1000 M Ω Min.
 Contact Resistance: < 20 m Ω Max.
 Dielectric Withstanding: 1500 V AC /min
 Operating Temperature: -25°C to +85°C

CONSTRUCTION:

Housing: Nylon 66, Color Nature
 Flammability Rating: UL 94V-0 or UL 94V-2
 Contacts: Copper alloy
 Contacts plating: Tin over Nickel plated

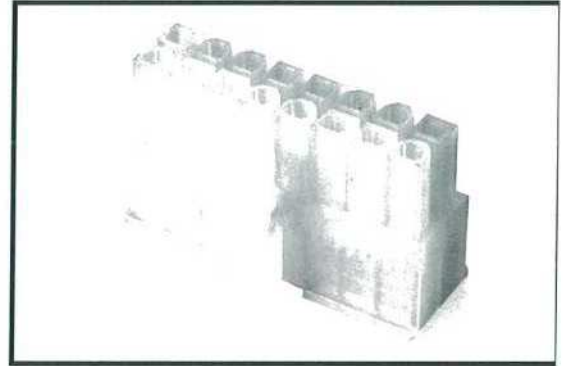
CP-01 POWER CONNECTORS

- Wire to Wire and Wire to Board
- Straight and right angle headers
- High density and high current

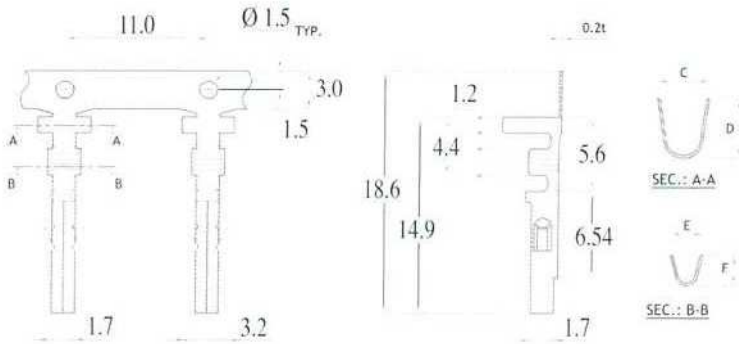
| Plug | Receptacle | Plug | Receptacle |
|--|---|---|--|
| 2 CIRCUITS  |  | 14 CIRCUITS  | 14 CIRCUITS  |
| 4 CIRCUITS  |  | 16 CIRCUITS  | 16 CIRCUITS  |
| 6 CIRCUITS  |  | 18 CIRCUITS  | 18 CIRCUITS  |
| 8 CIRCUITS  |  | 20 CIRCUITS  | 20 CIRCUITS  |
| 10 CIRCUITS  |  | 22 CIRCUITS  | 22 CIRCUITS  |
| 12 CIRCUITS  |  | 24 CIRCUITS  | 24 CIRCUITS  |

CP-011 RECEPTACLE CONNECTORS

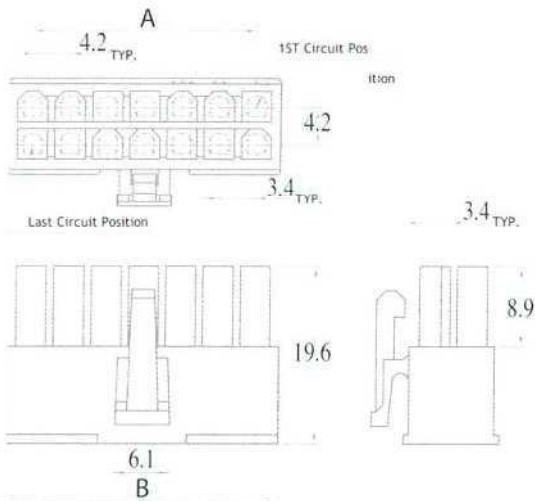
- With locking latch
- Available in 2 through 24 circuits
- Mates with CP-012, CP-013 or CP-014 connector
- Nylon 66 UL94V-0 or V-2 insulator material
- Can be used CP-011 crimp terminal
- Terminal accommodated AWG #16 ~ #26



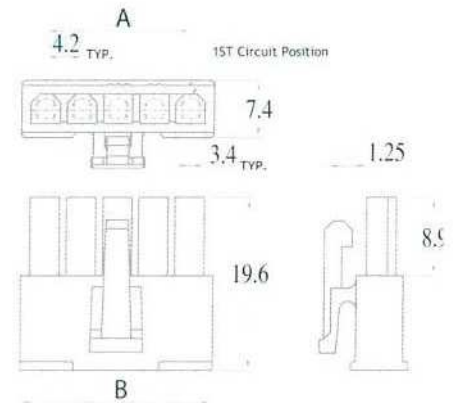
RoHS Compliant



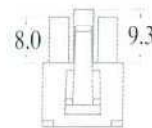
| Part No. | Wire Range | Dimensions | | | | Insulation Range | Material | Reel Q'ty |
|-------------|------------|------------|-----|-----|-----|------------------|-----------------|-----------|
| | | C | D | E | F | | | |
| CP-01100*01 | AWG #22-26 | 3.4 | 3.3 | 2.5 | 2.3 | 0.9 - 1.8 | Brass | 5,000 PCS |
| CP-01100*02 | AWG #18-22 | 4.0 | 4.5 | 2.5 | 2.3 | 1.3 - 3.1 | Brass | 4,000 PCS |
| CP-01100*03 | AWG #22-26 | 3.4 | 3.3 | 2.5 | 2.3 | 0.9 - 1.8 | Phosphor Bronze | 5,000 PCS |
| CP-01100*04 | AWG #18-22 | 4.0 | 4.5 | 2.5 | 2.3 | 1.3 - 3.1 | Phosphor Bronze | 4,000 PCS |
| CP-01100*05 | AWG #16 | 4.0 | 4.5 | 2.8 | 2.7 | 1.8 - 3.1 | Brass | 4,000 PCS |
| CP-01100*06 | AWG #16 | 4.0 | 4.5 | 2.8 | 2.7 | 1.8 - 3.1 | Phosphor Bronze | 4,000 PCS |



| Circuits | Dimensions | |
|----------|------------|------|
| | A | B |
| 2 | - | 5.5 |
| 4 | 4.2 | 9.7 |
| 6 | 8.4 | 13.9 |
| 8 | 12.6 | 18.1 |
| 10 | 16.8 | 22.3 |
| 12 | 21.0 | 26.5 |
| 14 | 25.2 | 30.7 |
| 16 | 29.4 | 34.9 |
| 18 | 33.6 | 39.1 |
| 20 | 37.8 | 43.3 |
| 22 | 42.0 | 47.5 |
| 24 | 46.2 | 51.7 |



FOR 4, 5 CIRCUITS



FOR 3 CIRCUITS

| Circuits | Dimensions | |
|----------|------------|------|
| | A | B |
| 3 | 8.4 | 13.8 |
| 4 | 12.6 | 18.0 |
| 5 | 16.8 | 22.2 |

ORDERING CODE

CP - 011 XX 0 X X

Contact type:
Receptacle

No. of circuits:
02 - 24 - Dual Row
03 - 05 - Single Row

Plating code:
Non plating

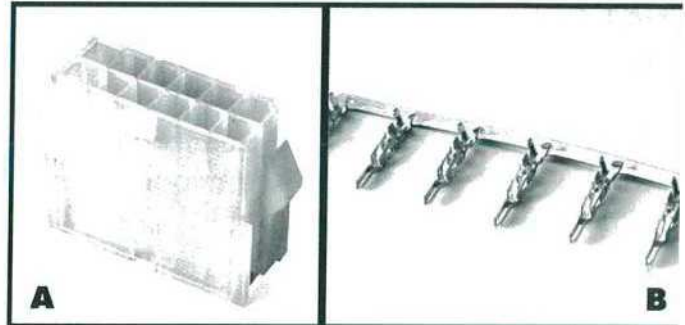
Variation:
1. UL 94V-2
3. UL 94V-0
6. UL 94V-2, BMI Type
7. UL 94V-0, BMI Type

Other options:
0. Standard
S. Single row

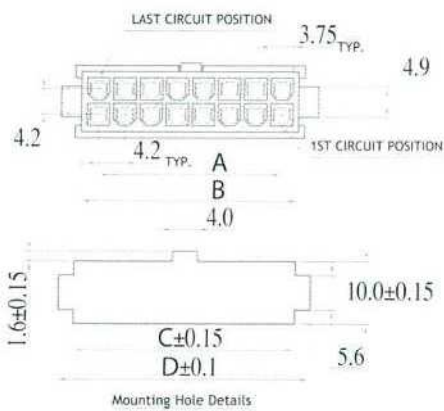
*Special options: Consult manufacturer

CP-012 PLUG CONNECTORS

- With mounting ears
- Available in 2 through 24 circuits
- Mates with CP-011 connector
- Nylon 66 UL94V-0 or V-2 insulator material
- Can be used CP-012 crimp terminal
- Terminal accommodated AWG #16~#26

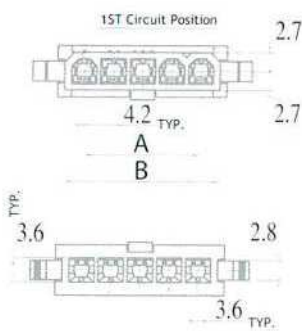


RoHS Compliant

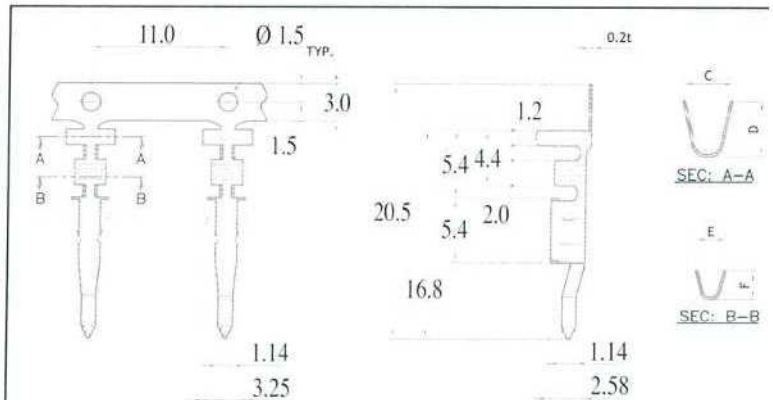


Mounting Hole Details

| Circuits | Dimensions | | | |
|----------|------------|------|------|------|
| | A | B | C | D |
| 2 | - | 5.7 | 6.1 | 11.1 |
| 4 | 4.2 | 9.9 | 10.3 | 15.3 |
| 6 | 8.4 | 14.1 | 14.5 | 19.5 |
| 8 | 12.6 | 18.3 | 18.7 | 23.7 |
| 10 | 16.8 | 22.5 | 22.9 | 27.9 |
| 12 | 21.0 | 26.7 | 27.1 | 32.1 |
| 14 | 25.2 | 30.9 | 31.4 | 36.3 |
| 16 | 29.4 | 35.1 | 35.6 | 40.5 |
| 18 | 33.6 | 39.3 | 39.8 | 44.7 |
| 20 | 37.8 | 43.5 | 44.0 | 48.9 |
| 22 | 42.0 | 47.7 | 48.2 | 53.1 |
| 24 | 46.2 | 51.9 | 52.4 | 57.3 |

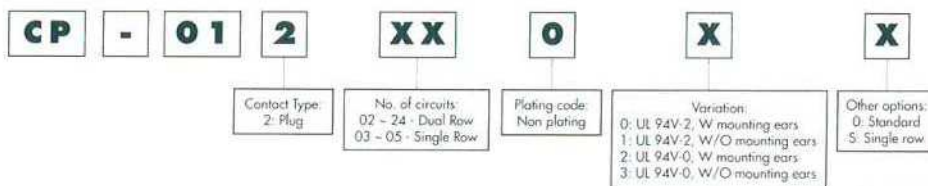


| Circuits | Dimensions | |
|----------|------------|------|
| | A | B |
| 3 | 8.4 | 13.9 |
| 4 | 12.6 | 18.1 |
| 5 | 16.8 | 22.3 |



| Part No. | Wire Range | Dimensions | | | | Insulation Range | Material | Reel Q'ty |
|-------------|------------|------------|-----|-----|-----|------------------|-----------------|-----------|
| | | C | D | E | F | | | |
| CP-01200*01 | AWG #22-26 | 3.4 | 3.3 | 2.5 | 2.3 | 0.9 - 1.8 | Brass | 5,000 PCS |
| CP-01200*02 | AWG #18-22 | 4.0 | 4.5 | 2.5 | 2.3 | 1.3 - 3.1 | Brass | 4,000 PCS |
| CP-01200*03 | AWG #22-26 | 3.4 | 3.3 | 2.5 | 2.3 | 0.9 - 1.8 | Phosphor Bronze | 5,000 PCS |
| CP-01200*04 | AWG #18-22 | 4.0 | 4.5 | 2.5 | 2.3 | 1.3 - 3.1 | Phosphor Bronze | 4,000 PCS |
| CP-01200*05 | AWG #16 | 4.0 | 4.5 | 2.8 | 2.6 | 1.8 - 3.1 | Brass | 4,000 PCS |
| CP-01200*06 | AWG #16 | 4.0 | 4.5 | 2.8 | 2.6 | 1.8 - 3.1 | Phosphor Bronze | 4,000 PCS |

ORDERING CODE



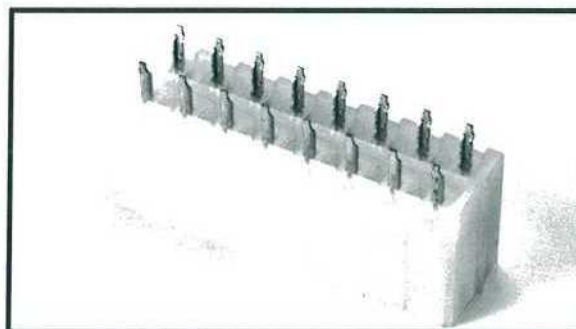
*Special options: Consult manufacturer

©:Standard Recommend

MINI FIT & MICRO FIT

CP-013 STRAIGHT DIP SOLDER HEADERS

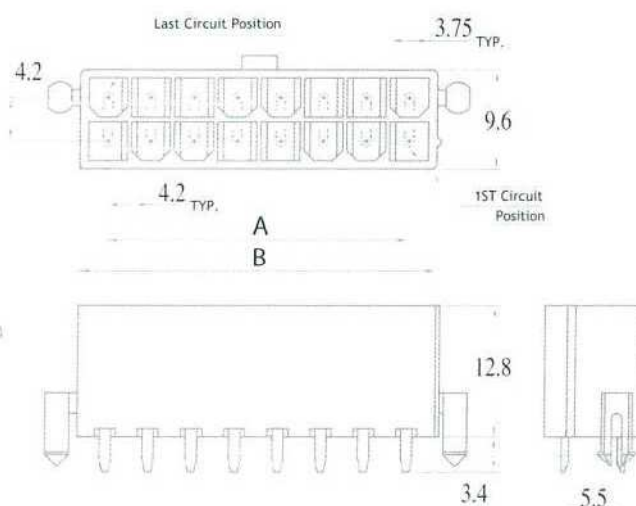
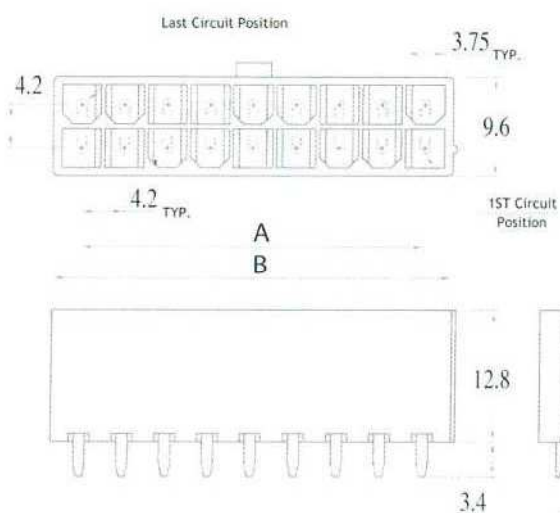
- Options PCB mounting pegs
- Mates with CP-011 connector
- Nylon 66 UL94V-0 or V-2 insulator material



RoHS Compliant

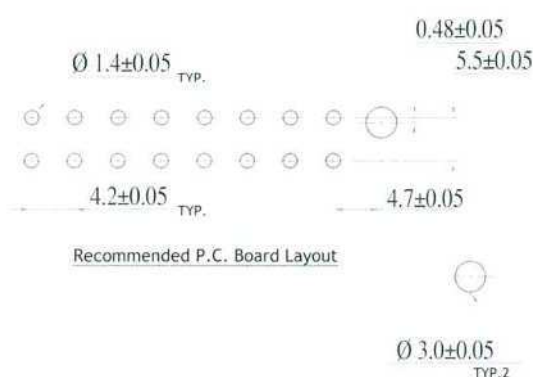
CP-013**110 / CP-013**130

CP-013**140 / CP-013**150



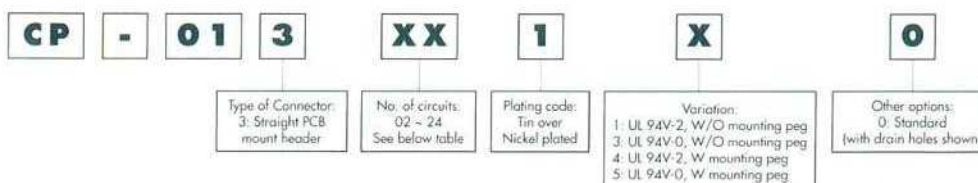
Recommended P.C. Board Layout

| Circuits | Dimensions | |
|----------|------------|------|
| | A | B |
| 2 | - | 5.5 |
| 4 | 4.2 | 9.7 |
| 6 | 8.4 | 13.9 |
| 8 | 12.6 | 18.1 |
| 10 | 16.8 | 22.3 |
| 12 | 21.0 | 26.5 |
| 14 | 25.2 | 30.7 |
| 16 | 29.4 | 34.9 |
| 18 | 33.6 | 39.1 |
| 20 | 37.8 | 43.3 |
| 22 | 42.0 | 47.5 |
| 24 | 46.2 | 51.7 |



Recommended P.C. Board Layout

ORDERING CODE



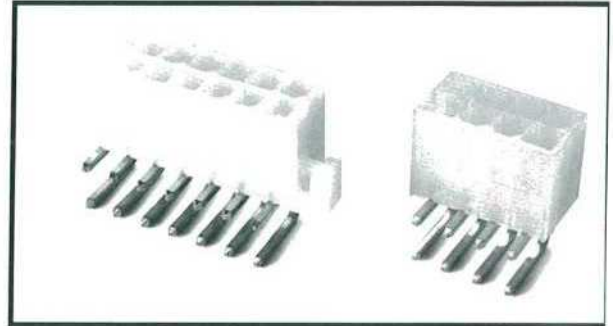
*Special options: Consult manufacturer

©: Standard Recommend

MINI FIT & MICRO FIT

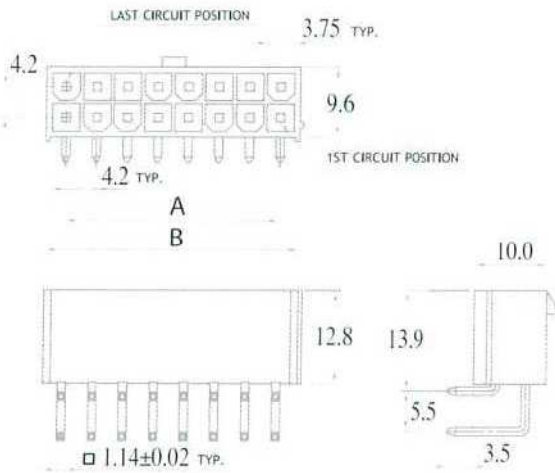
CP-014 RIGHT ANGLE DIP SOLDER HEADERS

- Options with mounting ears or pegs
- Mates with CP-011 connector
- Nylon 66 UL94V-0 or V-2 insulator material

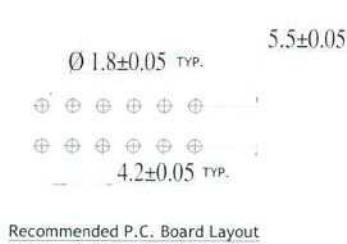
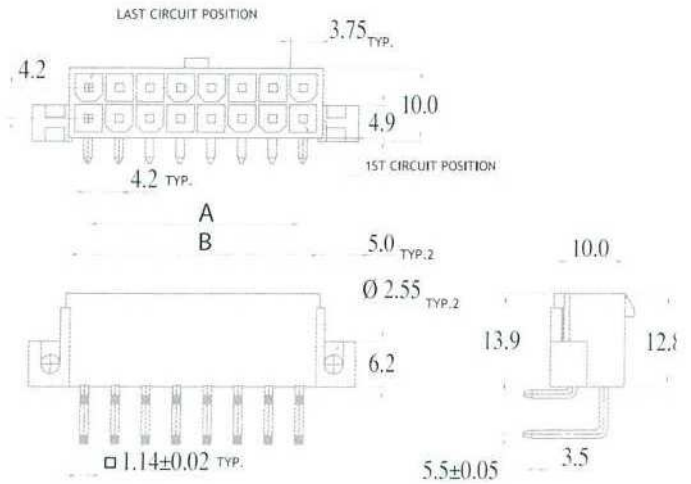


RoHS Compliant

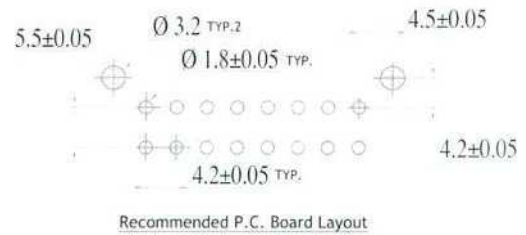
CP-014**110 / CP-014**130



CP-014**100 / CP-014**120



| Circuits | Dimensions | |
|----------|------------|------|
| | A | B |
| 2 | - | 5.5 |
| 4 | 4.2 | 9.7 |
| 6 | 8.4 | 13.9 |
| 8 | 12.6 | 18.1 |
| 10 | 16.8 | 22.3 |
| 12 | 21.0 | 26.5 |
| 14 | 25.2 | 30.7 |
| 16 | 29.4 | 34.9 |
| 18 | 33.6 | 39.1 |
| 20 | 37.8 | 43.3 |
| 22 | 42.0 | 47.5 |
| 24 | 46.2 | 51.7 |



ORDERING CODE

CP - 014 XX 1 X 0

Type of Connector:
4: Right angle PCB
mount header

No. of circuits:
02 - 24
See below table

Plating code:
Tin over
Nickel plated

Variation:
0: UL 94V-2, W mounting ears
1: UL 94V-2, W/O mounting ears
2: UL 94V-0, W mounting ears
3: UL 94V-0, W/O mounting ears

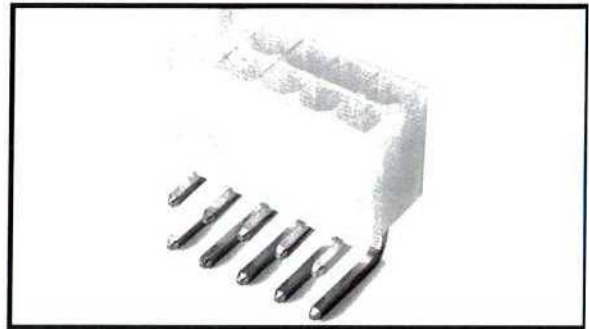
Other options:
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*Special options: Consult manufacturer

©:Standard Recommend

CP-014 RIGHT ANGLE DIP SOLDER HEADERS

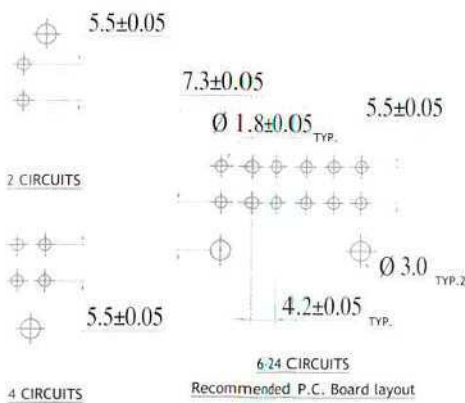
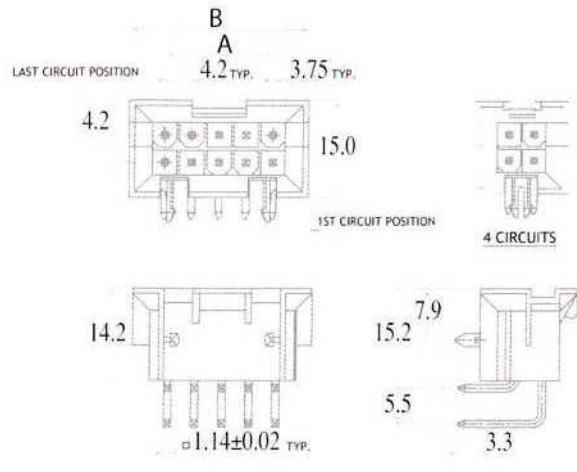
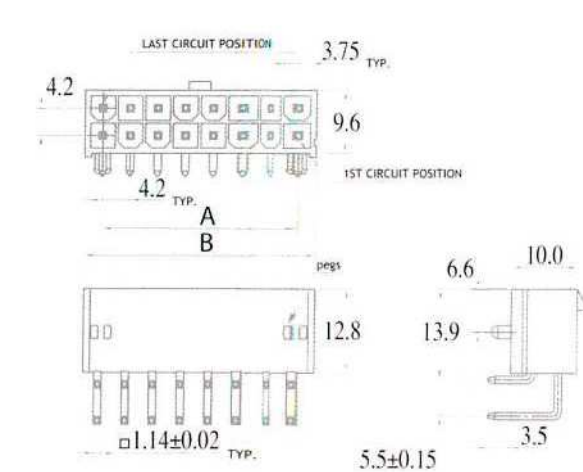
- Options with mounting ears or pegs
- Mates with CP-011 connector
- Nylon 66 UL94V-0 or V-2 insulator material



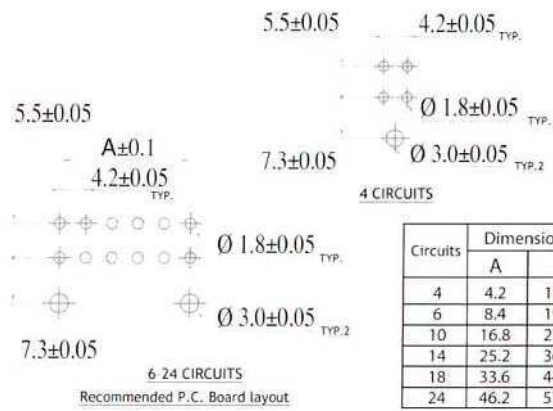
CP-014**140 / CP-014**150

CP-014**160 / CP-014**170

RoHS Compliant



| Circuits | Dimensions | |
|----------|------------|------|
| | A | B |
| 2 | - | 6.0 |
| 4 | 4.2 | 10.2 |
| 6 | 8.4 | 14.4 |
| 8 | 12.6 | 18.6 |
| 10 | 16.8 | 22.8 |
| 12 | 21.0 | 27.0 |
| 14 | 25.2 | 31.2 |
| 16 | 29.4 | 35.4 |
| 18 | 33.6 | 39.6 |
| 20 | 37.8 | 43.8 |
| 22 | 42.0 | 48.0 |
| 24 | 46.2 | 52.2 |



| Circuits | Dimensions | |
|----------|------------|------|
| | A | B |
| 4 | 4.2 | 15.2 |
| 6 | 8.4 | 19.4 |
| 10 | 16.8 | 27.8 |
| 14 | 25.2 | 36.2 |
| 18 | 33.6 | 44.6 |
| 24 | 46.2 | 57.2 |

ORDERING CODE

CP - 01 4 XX 1 X 0

Type of Connector:
4: Right angle PCB
mount header:

No. of circuits:
02 ~ 24
See below table

Plating code:
Tin over
Nickel plated

Variation:
4: UL 94V-2, W mounting peg
5: UL 94V-0, W mounting peg
6: UL 94V-2, BMI Type
7: UL 94V-0, BMI Type

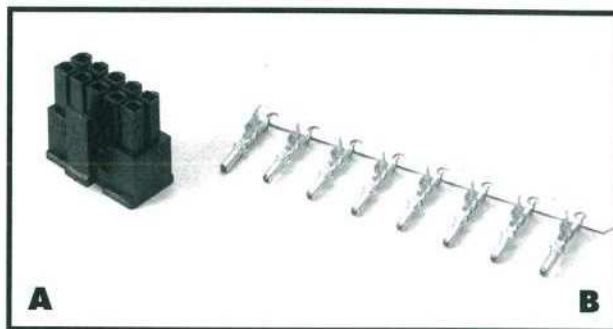
Other options:
0: Standard

*Special options: Consult manufacturer

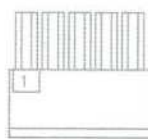
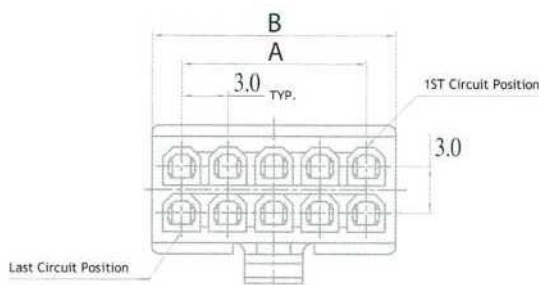
MINI FIT & MICRO FIT

CP35 RECEPTACLE CONNECTORS

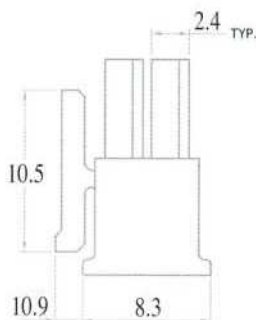
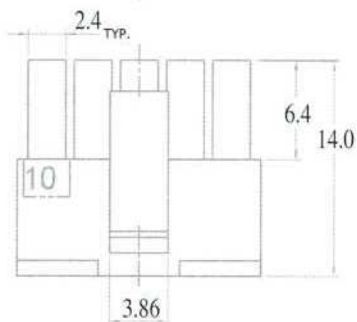
- With locking latch
- Available in 2 through 24 circuits
- Can be used CP35 crimp terminal
- Thermal Polyester UL94V-0, Color Black
- Terminal accommodated AWG #20 ~ #24



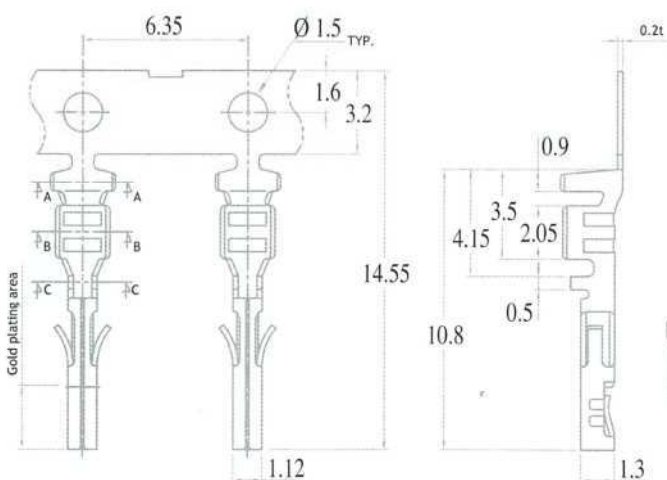
RoHS Compliant



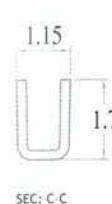
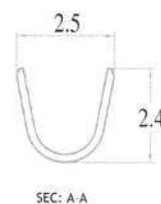
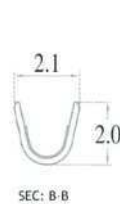
BACK VIEW



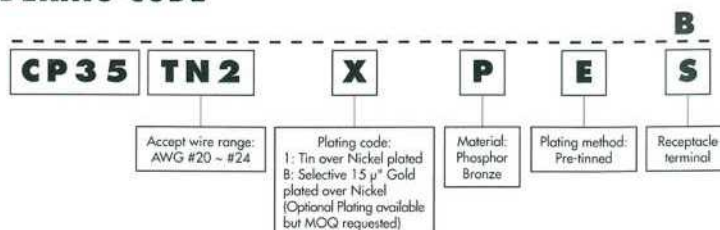
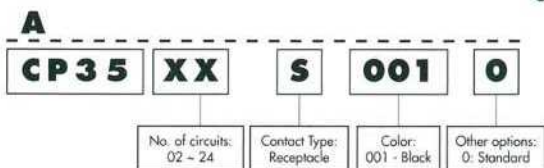
| Circuits | Dimensions | |
|----------|------------|------|
| | A | B |
| 2 | - | 3.9 |
| 4 | 3.0 | 6.9 |
| 6 | 6.0 | 9.9 |
| 8 | 9.0 | 12.9 |
| 10 | 12.0 | 15.9 |
| 12 | 15.0 | 18.9 |
| 14 | 18.0 | 21.9 |
| 16 | 21.0 | 24.9 |
| 18 | 24.0 | 27.9 |
| 20 | 27.0 | 30.9 |
| 22 | 30.0 | 33.9 |
| 24 | 33.0 | 36.9 |



| P/N | Wire Range | Insulation Diameter | Reel Qty |
|-------------|-------------|---------------------|------------|
| CP35TN2*PES | AWG #20-#24 | 2.5 MAX. | 12,000 PCS |



ORDERING CODE



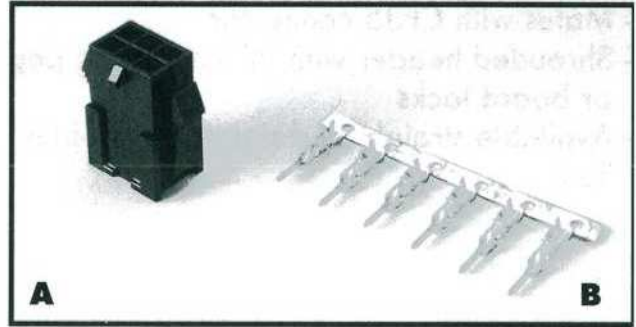
*Special options: Consult manufacturer

©: Standard Recommend

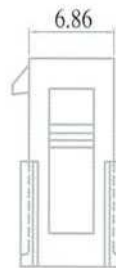
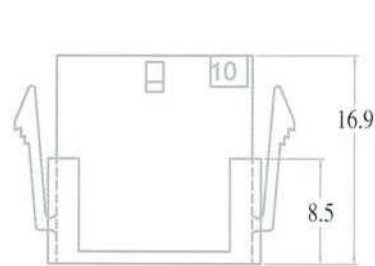
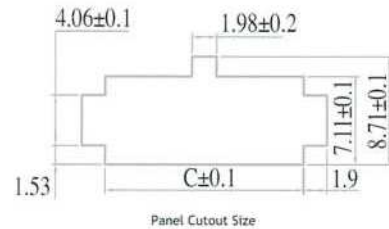
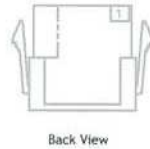
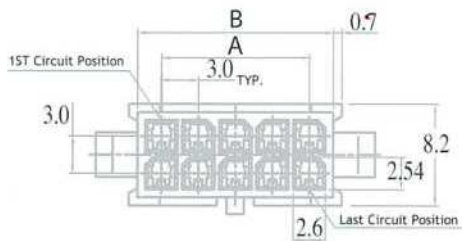
POWER CONNECTORS

CP35 PLUG CONNECTORS

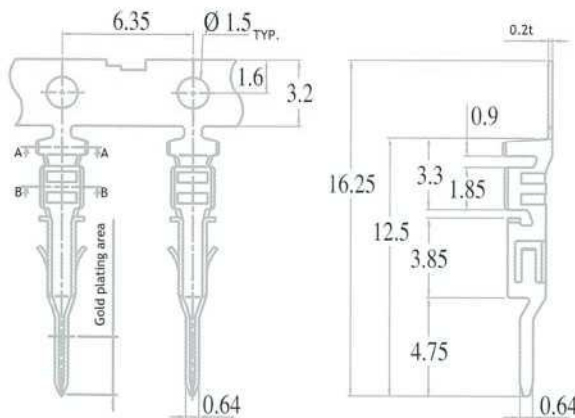
- With mounting ears
- Available in 2 through 24 circuits
- Can be used CP35 crimp terminal
- Thermal Polyester UL94V-0, Color Black
- Terminal accommodated AWG #20 ~ #24



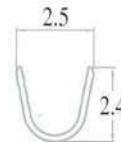
RoHS Compliant



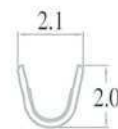
| Circuits | Dimensions | | |
|----------|------------|------|-------|
| | A | B | C |
| 2 | - | 3.9 | 4.09 |
| 4 | 3.0 | 6.9 | 7.09 |
| 6 | 6.0 | 9.9 | 10.08 |
| 8 | 9.0 | 12.9 | 13.08 |
| 10 | 12.0 | 15.9 | 16.06 |
| 12 | 15.0 | 18.9 | 19.08 |
| 14 | 18.0 | 21.9 | 22.07 |
| 16 | 21.0 | 24.9 | 25.07 |
| 18 | 24.0 | 27.9 | 26.07 |
| 20 | 27.0 | 30.9 | 31.06 |
| 22 | 30.0 | 33.9 | 34.06 |
| 24 | 33.0 | 36.9 | 37.06 |



| P/N | Wire Range | Insulation Diameter | Reel Qty |
|-------------|-------------|---------------------|------------|
| CP35TN2*PEP | AWG #20-#24 | 2.5 MAX. | 12,000 PCS |



SEC: A A



SEC: B B

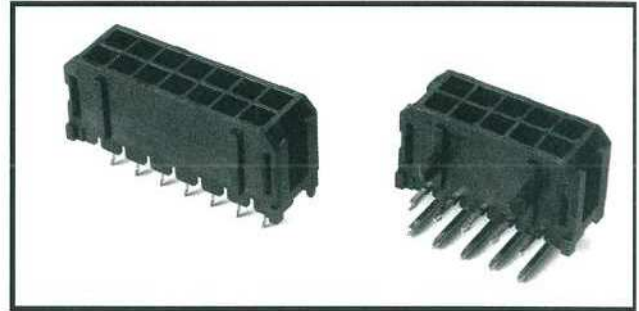
ORDERING CODE

| A | | | | B | | | | | |
|--|-----------------------|-----------------------|-------------------------------|-------------------------------------|--|---------------------------------|-------------------------------|----------------------------|----------|
| CP35 | XX | P | 001 | CP35 | TN2 | X | P | E | P |
| No. of circuits: 02 ~ 24 | Contact Type: Plug | Color: 001 - Black | Other options: 0: Standard | Accept wire range: AWG #20 ~ #24 | Plating code: 1: Tin over Nickel plated B: Selective 15 μm Gold plated over Nickel (Optional Plating available but MOQ requested) | Material: Phosphor Bronze | Plating method: Pre-tinned | Style: Plug terminal | |
| *Special options: Consult manufacturer | | | | | | | | | |

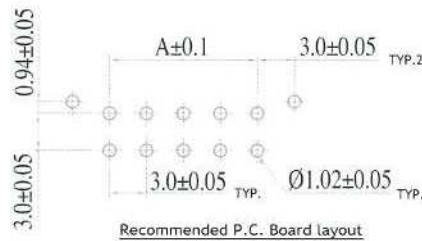
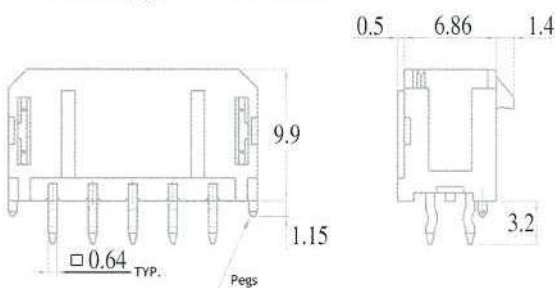
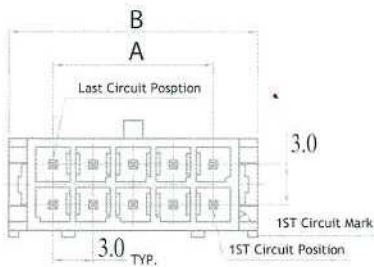
©:Standard Recommend

CP35 3.0 mm BOARD MOUNT HEADER

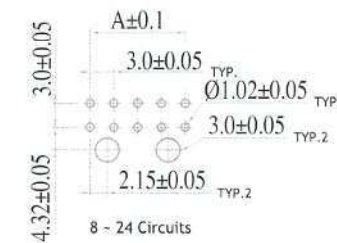
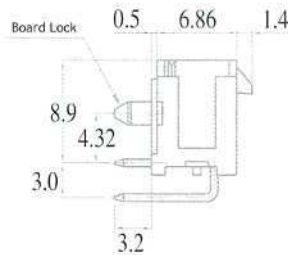
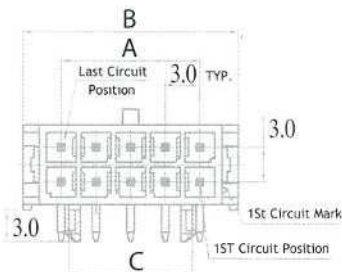
- Mates with CP35 connector
- Shrouded header with PCB mounting pegs or board locks
- Available straight and right angle solder Tails



RoHS Compliant



| Circuits | Dimensions | |
|----------|------------|------|
| | A | B |
| 2 | - | 6.7 |
| 4 | 3.0 | 9.7 |
| 6 | 6.0 | 12.7 |
| 8 | 9.0 | 15.7 |
| 10 | 12.0 | 18.7 |
| 12 | 15.0 | 21.7 |
| 14 | 18.0 | 24.7 |
| 16 | 21.0 | 27.7 |
| 18 | 24.0 | 30.7 |
| 20 | 27.0 | 33.7 |
| 22 | 30.0 | 36.7 |
| 24 | 33.0 | 39.7 |



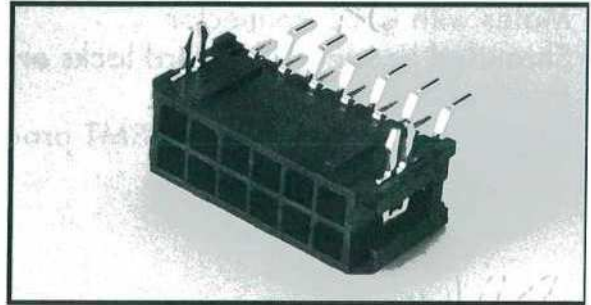
| Circuits | Dimensions | | |
|----------|------------|------|------|
| | A | B | C |
| 2 | - | 6.7 | - |
| 4 | 3.0 | 9.7 | - |
| 6 | 6.0 | 12.7 | - |
| 8 | 9.0 | 15.7 | 7.7 |
| 10 | 12.0 | 18.7 | 10.7 |
| 12 | 15.0 | 21.7 | 13.7 |
| 14 | 18.0 | 24.7 | 16.7 |
| 16 | 21.0 | 27.7 | 19.7 |
| 18 | 24.0 | 30.7 | 22.7 |
| 20 | 27.0 | 33.7 | 25.7 |
| 22 | 30.0 | 36.7 | 28.7 |
| 24 | 33.0 | 39.7 | 31.7 |

ORDERING CODE

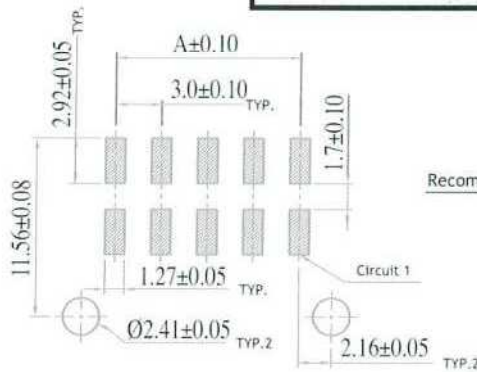
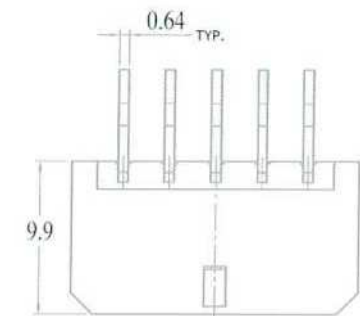
| | | | | | | |
|-----------------------------|-----------------------|--|--|----------------------------|--|----------|
| CP35 | XX | P | X | X | O | X |
| No. of circuits: 02 - 24 | Contact Type: Plug | Contact plated: 1: Tin over Nickel plated 3: 15 µ" Gold plated over Nickel (Optional Plating available but MOQ requested) | Contact Type: V: Straight H: Right angle | Mount type: 0: DIP type | Other options: 0: W pegs (V-type) 0: W plastic board lock (H-type) | |

CP35 3.0 mm SIDE ENTRY SMT HEADER

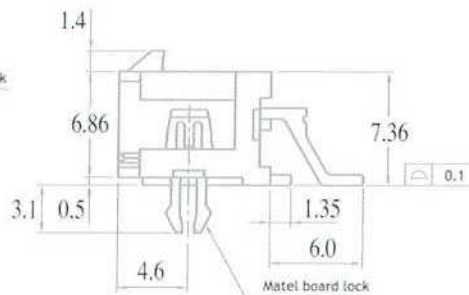
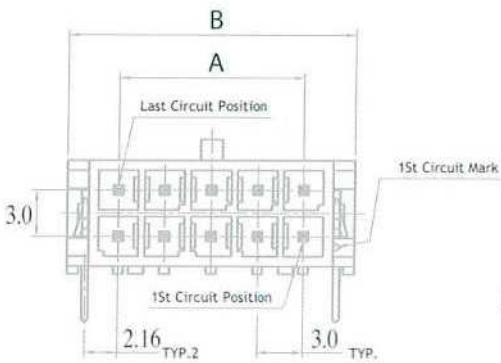
- Mates with CP35 connector
- Shrouded header with board locks or fixed tabs
- High temperature plastic for SMT process



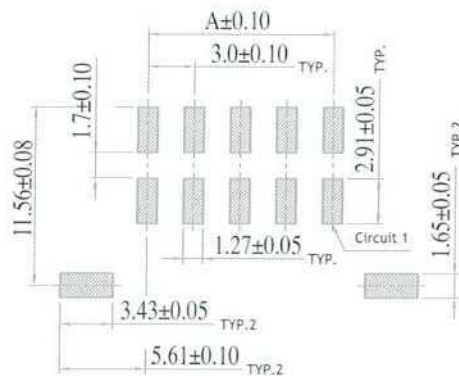
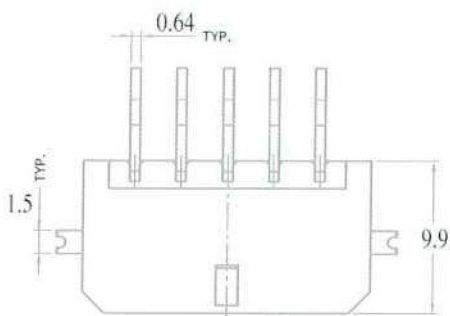
RoHS Compliant



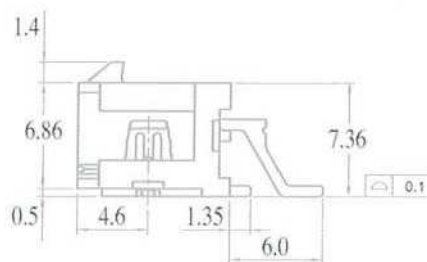
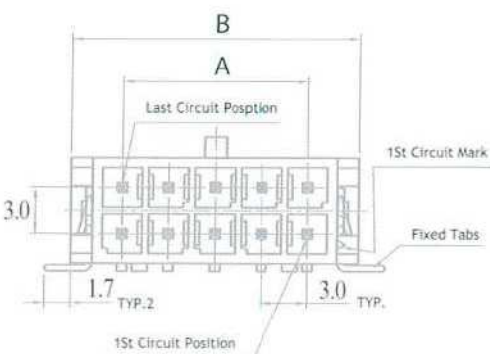
Recommended P.C. Board Layout



| Circuits | Dimensions | |
|----------|------------|------|
| | A | B |
| 2 | - | 6.7 |
| 4 | 3.0 | 9.7 |
| 6 | 6.0 | 12.7 |
| 8 | 9.0 | 15.7 |
| 10 | 12.0 | 18.7 |
| 12 | 15.0 | 21.7 |
| 14 | 18.0 | 24.7 |
| 16 | 21.0 | 27.7 |
| 18 | 24.0 | 30.7 |
| 20 | 27.0 | 33.7 |
| 22 | 30.0 | 36.7 |
| 24 | 33.0 | 39.7 |



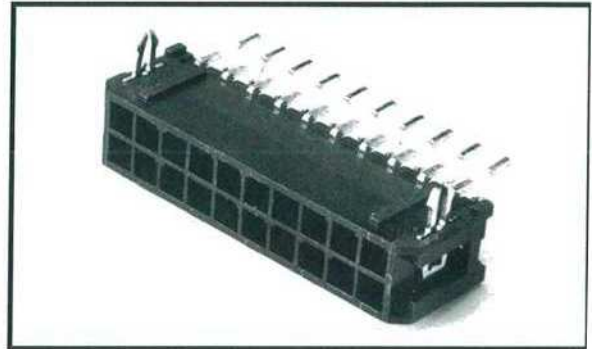
Recommended P.C. Board Layout



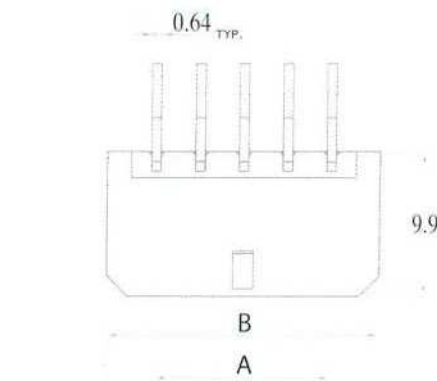
| Circuits | Dimensions | |
|----------|------------|------|
| | A | B |
| 2 | - | 6.7 |
| 4 | 3.0 | 9.7 |
| 6 | 6.0 | 12.7 |
| 8 | 9.0 | 15.7 |
| 10 | 12.0 | 18.7 |
| 12 | 15.0 | 21.7 |
| 14 | 18.0 | 24.7 |
| 16 | 21.0 | 27.7 |
| 18 | 24.0 | 30.7 |
| 20 | 27.0 | 33.7 |
| 22 | 30.0 | 36.7 |
| 24 | 33.0 | 39.7 |

CP35 3.0 mm SIDE ENTRY SMT HEADER

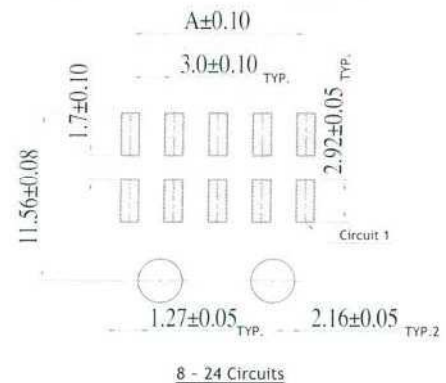
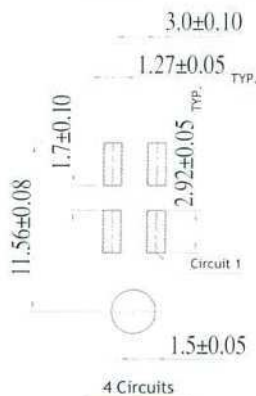
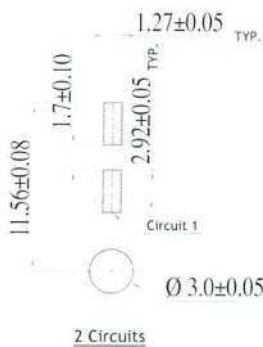
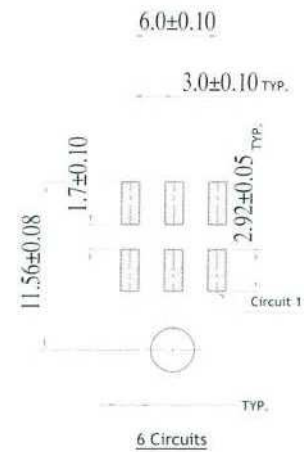
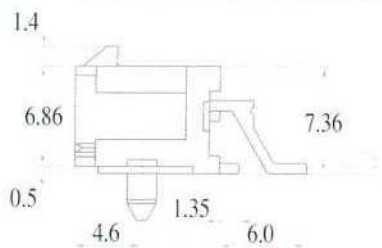
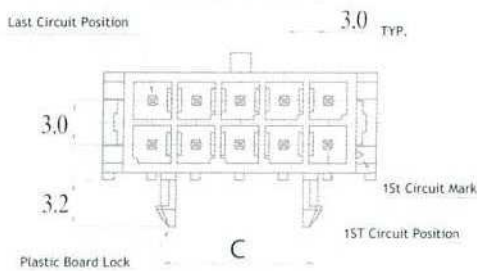
- Mates with CP35 connector
- Shrouded header with board locks or fixed tabs
- High temperature plastic for SMT process



RoHS Compliant



| Circuits | Dimensions | | |
|----------|------------|------|------|
| | A | B | C |
| 2 | - | 6.7 | - |
| 4 | 3.0 | 9.7 | - |
| 6 | 6.0 | 12.7 | - |
| 8 | 9.0 | 15.7 | 7.7 |
| 10 | 12.0 | 18.7 | 10.7 |
| 12 | 15.0 | 21.7 | 13.7 |
| 14 | 18.0 | 24.7 | 16.7 |
| 16 | 21.0 | 27.7 | 19.7 |
| 18 | 24.0 | 30.7 | 22.7 |
| 20 | 27.0 | 33.7 | 25.7 |
| 22 | 30.0 | 36.7 | 26.7 |
| 24 | 33.0 | 39.7 | 31.7 |



Recommended P.C. Board Layout

ORDERING CODE

| | | | | | | |
|-----------------------------|-----------------------|--|---------------------------------|----------------------------|---|----------|
| CP35 | XX | P | X | H | S | X |
| No. of circuits: 02 - 24 | Contact Type: Plug | Plating code: 1: Tin over Nickel plated B: Selective 15 µ" Gold plated over Nickel (Optional Plating available but MOQ requested) | Contact Type: H: Right angle | Mount type: S: SMT Type | Other options: O: W Metal board lock (Standard) T: W Fixed tabs (available for Tape & Reel Packing) P: W plastic board lock | |

©: Standard Recommend

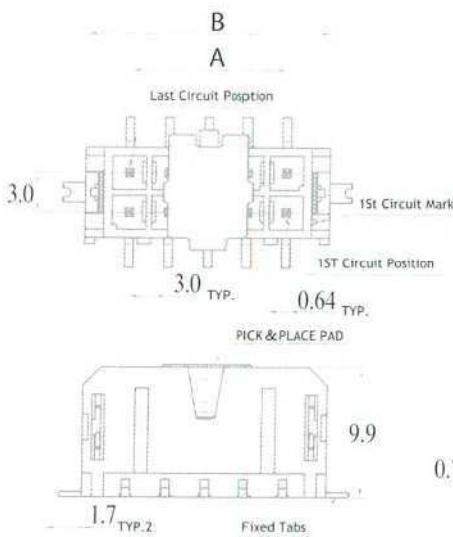
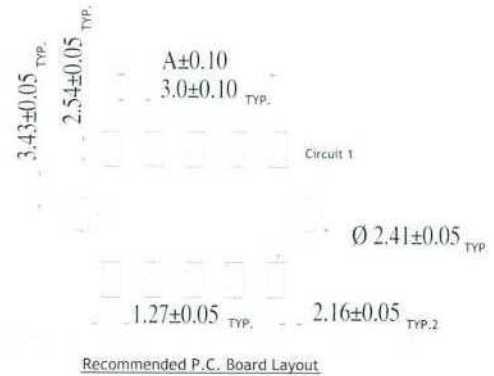
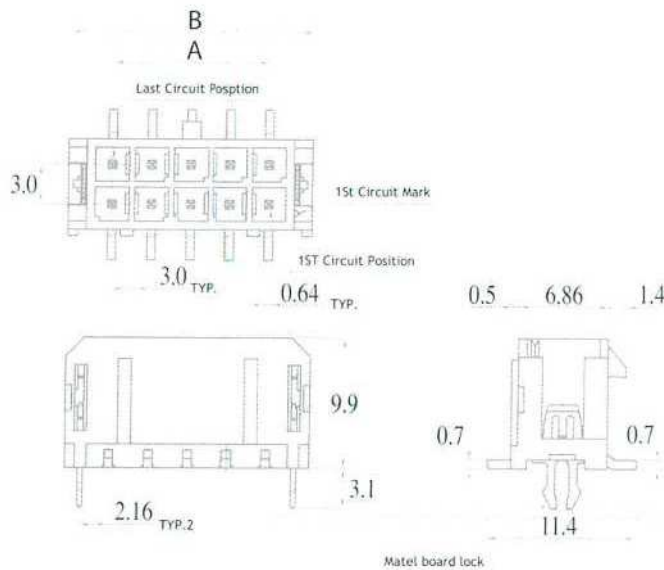
MINI FIT & MICRO FIT

CP35 3.0 mm TOP ENTRY SMT HEADER

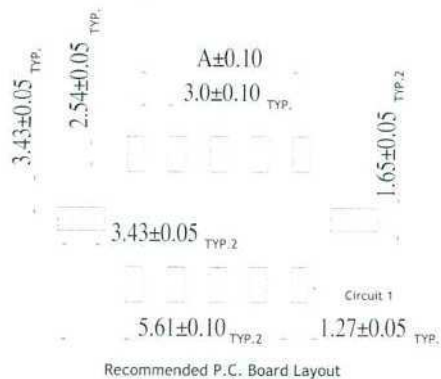
- Mates with CP35 connector
- Shrouded header with board locks or fixed tabs
- With metal pick and place Pad
- High temperature plastic for SMT process



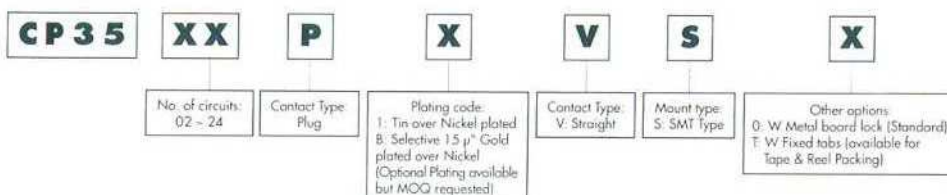
RoHS Compliant



| Circuits | Dimensions | | Circuits | Dimensions | | Circuits | Dimensions | |
|----------|------------|------|----------|------------|------|----------|------------|------|
| | A | B | | A | B | | A | B |
| 2 | - | 6.7 | 10 | 12.0 | 18.7 | 18 | 24.0 | 30.7 |
| 4 | 3.0 | 9.7 | 12 | 15.0 | 21.7 | 20 | 27.0 | 33.7 |
| 6 | 6.0 | 12.7 | 14 | 18.0 | 24.7 | 22 | 30.0 | 36.7 |
| 8 | 9.0 | 15.7 | 16 | 21.0 | 27.7 | 24 | 33.0 | 39.7 |



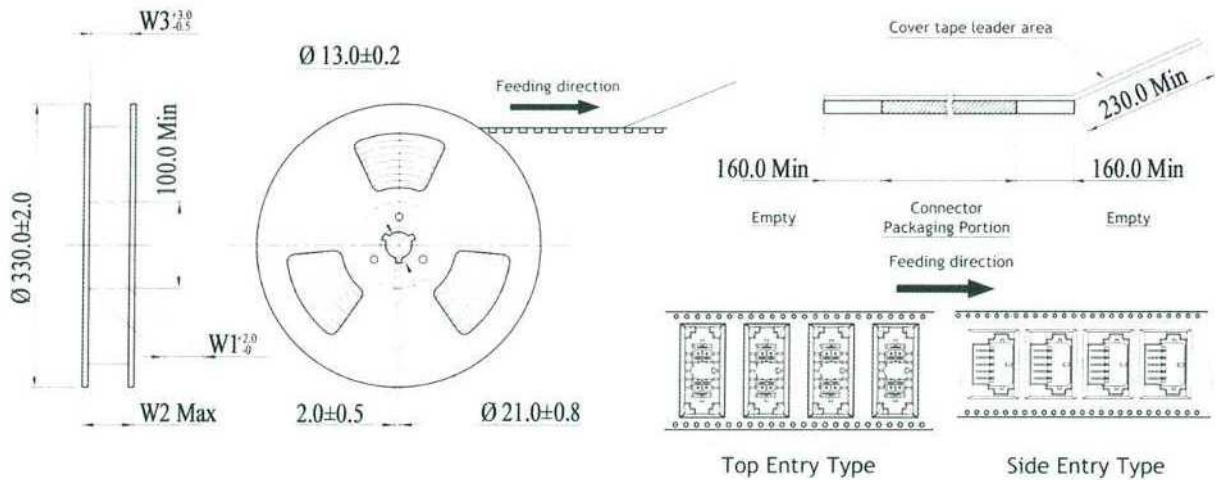
ORDERING CODE



©:Standard Recommend

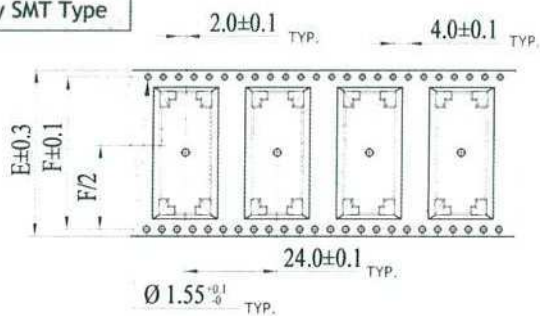
CP35 SERIES SMT TYPE TAPE & REEL PACKING

- Reel Material: HIPS
- Carrier Material: Black, Conductive Polystyrene Alloy
- Cover Tape Material: Polyester
- Cover Tape Peel Strength: 0.1N ~ 1.3N
- Carrier camber is within 1mm in 250 mm
- All dimensions meet EIA-481-B requirements
- Quality: 250 PCS/Reel

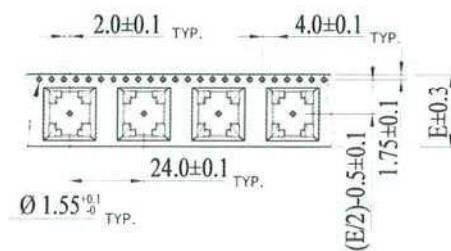


| Circuits | Dimensions | | | | | Packing (Reel/Carton) |
|----------|------------|-------|------|------|------|-----------------------|
| | E | F | W1 | W2 | W3 | |
| 2-4 | 24.0 | - | 24.5 | 30.5 | 24.5 | 9 |
| 6-8 | 32.0 | 28.40 | 32.5 | 38.5 | 32.5 | 7 |
| 10-16 | 44.0 | 40.40 | 44.5 | 50.5 | 44.5 | 5 |
| 18-24 | 56.0 | 52.40 | 56.5 | 62.5 | 56.5 | 3 |

Top Entry SMT Type

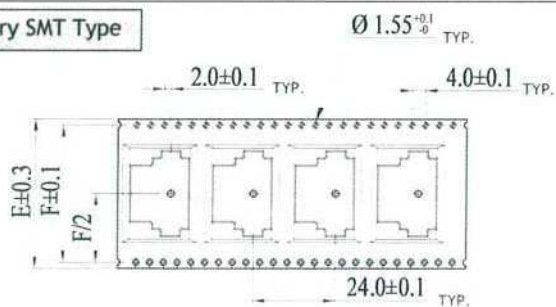


WIDTH : 32,44,56 mm Carrier

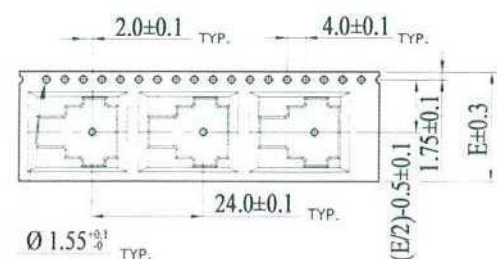


WIDTH : 24 mm Carrier

Side Entry SMT Type



WIDTH : 32,44,56 mm Carrier

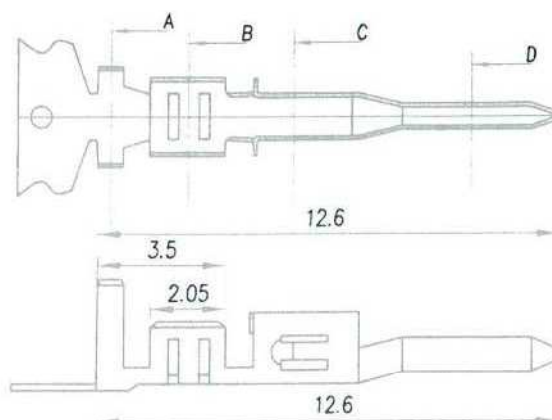
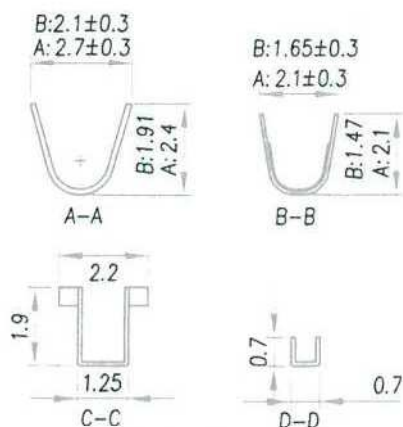


WIDTH : 24 mm Carrier

CRIMP TERMINAL 3.00 mm T-5039-P3XXX

SPECIFICATION:

Voltage Rating: 250 V AC
 Insulation Resistance: 1000M Ω Min.
 Withstanding voltage: 1500V AC/minute
 Contact Material: Phosphor Bronze,
 Tin/Lead plated



ORDERING CODE

T - 5039 - P3 XX XX

Plating:
 01: Gold Flash on Contact
 T1: Tin-Lead Plated for All

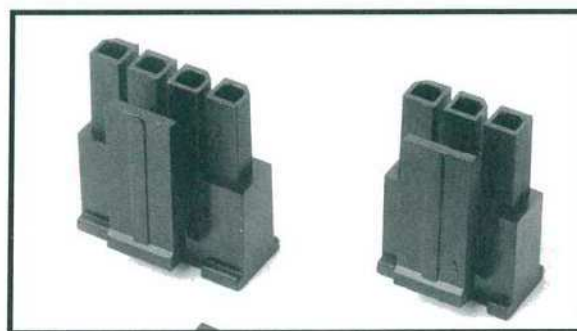
Wire AWG
 00: 20-24
 01: 26-30

©: Standard Recommend

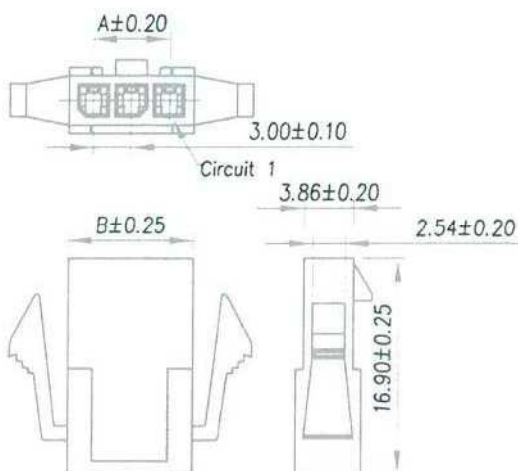
RECEPTABLE HOUSING 3.00 mm P-5039-N1B1XXB1

SPECIFICATION:

Housing Material: Nylon 66, UL94V-0
 Housing color: Black



RoHS Compliant



| PART NO. | Contact | Dimensions | |
|-------------------|---------|------------|-------|
| | | A | B |
| P-5039-N1B1-02-B1 | 02 | 3.00 | 6.85 |
| P-5039-N1B1-03-B1 | 03 | 6.00 | 9.85 |
| P-5039-N1B1-04-B1 | 04 | 9.00 | 12.85 |
| P-5039-N1B1-05-B1 | 05 | 12.00 | 15.85 |
| P-5039-N1B1-06-B1 | 06 | 15.00 | 18.85 |
| P-5039-N1B1-07-B1 | 07 | 18.00 | 21.85 |
| P-5039-N1B1-08-B1 | 08 | 21.00 | 24.85 |
| P-5039-N1B1-09-B1 | 09 | 24.00 | 27.85 |
| P-5039-N1B1-10-B1 | 10 | 27.00 | 30.85 |
| P-5039-N1B1-11-B1 | 11 | 30.00 | 33.85 |
| P-5039-N1B1-12-B1 | 12 | 33.00 | 36.85 |

WAFER RIGHT ANGLE 3.00 mm MIFRZ-1XX T1WY00

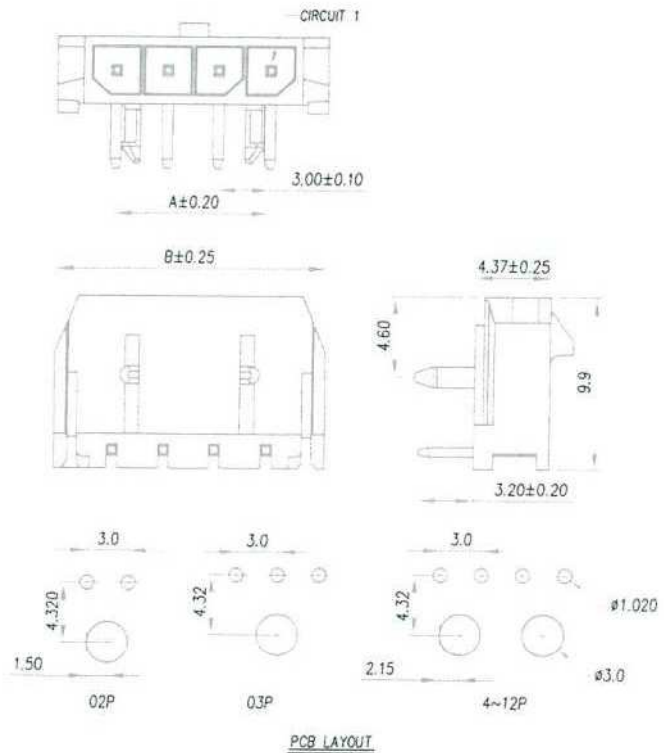
SPECIFICATION:

Housing Material: PBT+30% GF, UL94V-0

Contact: Brass, Tin/Lead-plating

Housing Color: White

| PART NO. | Contact | Dimensions | |
|-----------------|---------|------------|-------|
| | | A | B |
| MIFRZ 02 T1WY00 | 02 | 3.00 | 9.65 |
| MIFRZ 03 T1WY00 | 03 | 6.00 | 12.65 |
| MIFRZ 04 T1WY00 | 04 | 9.00 | 15.65 |
| MIFRZ 05 T1WY00 | 05 | 12.00 | 18.65 |
| MIFRZ 06 T1WY00 | 06 | 15.00 | 21.65 |
| MIFRZ 07 T1WY00 | 07 | 18.00 | 24.65 |
| MIFRZ 08 T1WY00 | 08 | 21.00 | 27.65 |
| MIFRZ 09 T1WY00 | 09 | 24.00 | 30.65 |
| MIFRZ 10 T1WY00 | 10 | 27.00 | 33.65 |
| MIFRZ 11 T1WY00 | 11 | 30.00 | 36.65 |
| MIFRZ 12 T1WY00 | 12 | 33.00 | 39.65 |



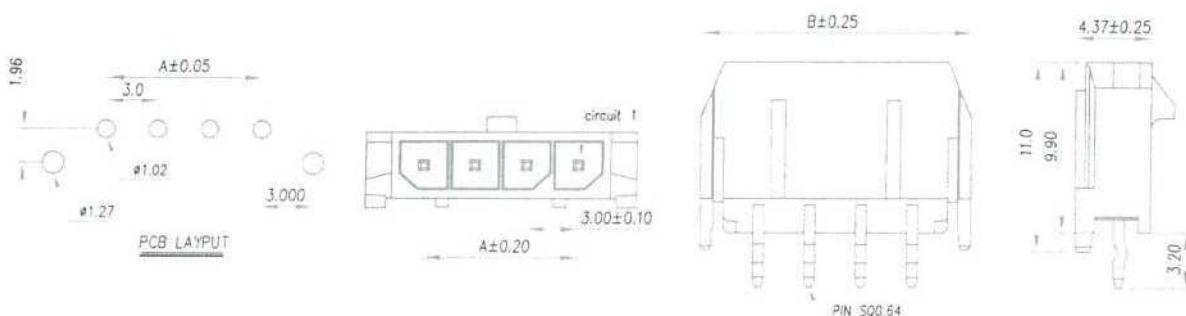
WAFER STRAIGHT 3.00 mm MIFSZ-1 XX T1WY00

SPECIFICATION:

Housing Material: PBT+30% GF, UL94V-0

Contact: Brass, Tin/Lead-plating

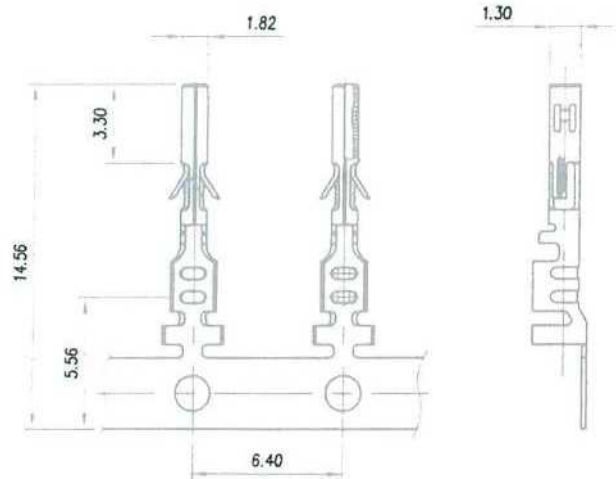
Housing Color: White



CRIMP TERMINAL 3.00 mm T-5040-P3XXXX

SPECIFICATION:

Voltage Rating: 250 V AC
 Insulation Resistance: 1000M Ω Min.
 Contact Resistance: 10m Ω Max.
 Withstanding voltage: 1500V AC/minute
 Contact Material: Phosphor Bronze,
 Tin/Lead plated



ORDERING CODE

T - **5040** - **P3** **XX** **XX**

Plating:
 01: Gold Flash on Contact
 T1: Tin-Lead Plated for All

Wire AWG
 00: 20-24
 01: 26-30

©:Standard Recommend

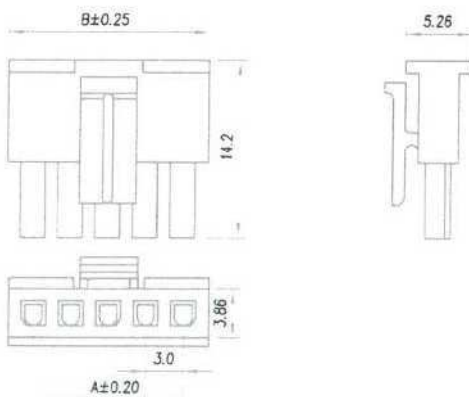
RECEPTABLE HOUSING 3.00 mm P-5040-N1B1XX00

SPECIFICATION:

Housing Material: Nylon 66, UL94V-0
 Housing color: Black



RoHS Compliant



| PART NO. | Contact | Dimensions | |
|-------------------|---------|------------|-------|
| | | A | B |
| P-5040-N1B1 02 00 | 02 | 3.00 | 7.00 |
| P-5040-N1B1 03 00 | 03 | 6.00 | 10.00 |
| P-5040-N1B1 04 00 | 04 | 9.00 | 13.00 |
| P-5040-N1B1 05 00 | 05 | 12.00 | 16.00 |
| P-5040-N1B1 06 00 | 06 | 15.00 | 19.00 |
| P-5040-N1B1 07 00 | 07 | 18.00 | 22.00 |
| P-5040-N1B1 08 00 | 08 | 21.00 | 25.00 |
| P-5040-N1B1 09 00 | 09 | 24.00 | 28.00 |
| P-5040-N1B1 10 00 | 10 | 27.00 | 31.00 |
| P-5040-N1B1 11 00 | 11 | 30.00 | 34.00 |
| P-5040-N1B1 12 00 | 12 | 33.00 | 37.00 |

TEST PIN

JT-1

SPECIFICATION:

Material: Phosphor bronze wire.

Plating: Gold

Color: Red, Yellow, Green, Blue, Black, White.

