

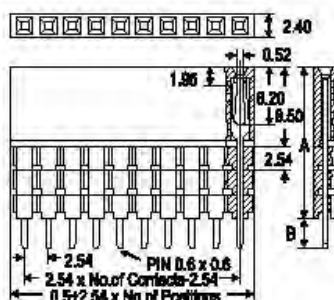
Elevated Straight Female Header (2.54mm)

APPLICATION AND FEATURES

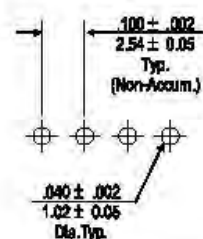
- Different foot length for customer design choice.
- Available with square tail.
- Current rating: 3 Amps
- Insulator resistance: 1000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: - 40° - + 105 °C
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



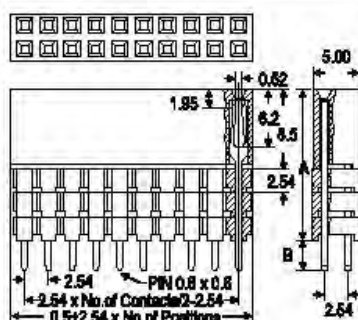
Single



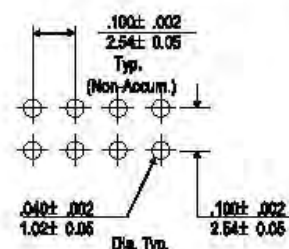
Recommended P.C.Board Hole Layout



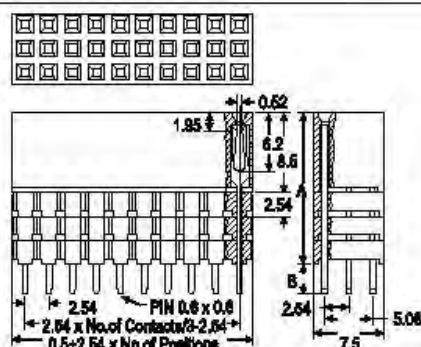
Dual



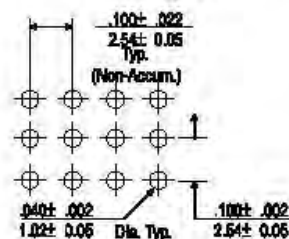
Recommended P.C.Board Hole Layout



Triple



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Plating
EFH	Single:03-40 Dual:06-80 Triple:09-120	S1:11.05/2.30(A/B) D1:11.05/2.30(A/B) T1:11.05/2.30(A/B) *Dimension is optional	G:Gold Flash G1:Gold 5 μ G2:Gold 10 μ *G can be omitted



FH13 SERIES

Female Header 5.7mm Profile (2.54mm)

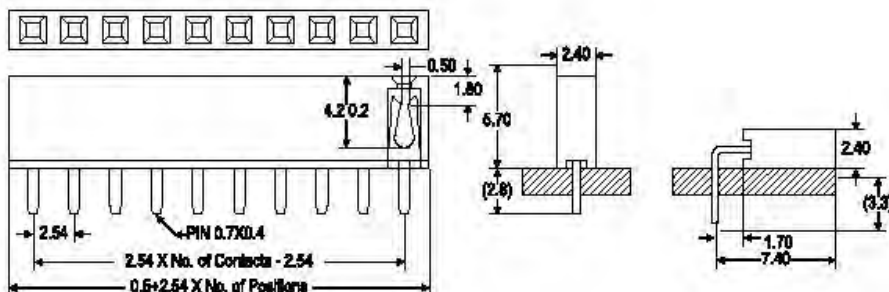
D

APPLICATION AND FEATURES

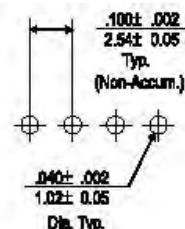
- For low profile application 5.7mm high.
- Accepts 0.64mm square pin.
- Tuning-fork type contacts designed for low cost.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



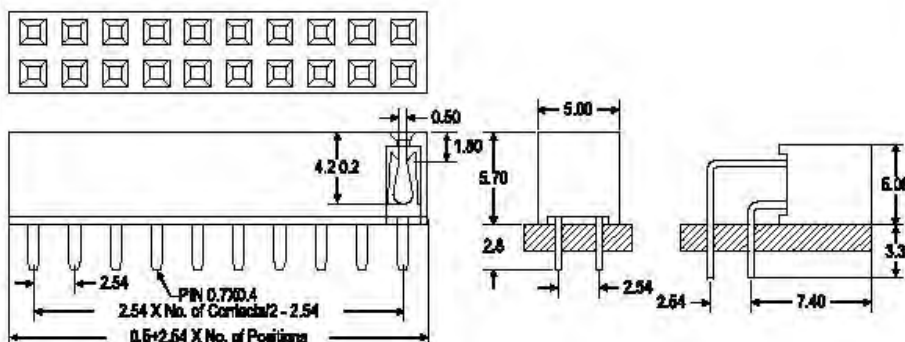
Single



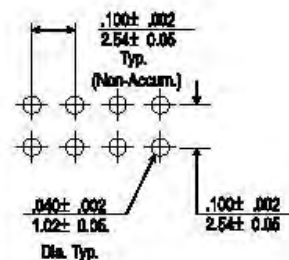
Recommended P.C.Board Hole Layout



Dual



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

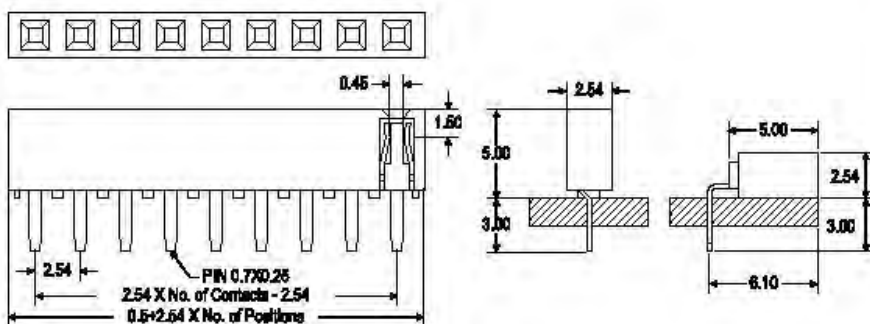
Series	No of Contact	Type	Row Type	Plating
FH13	Single:03-40 Dual:06-50	S: Straight R: Right Angle	1: Single 2: Dual	G: Gold Flash G1: Gold 5 μ G2: Gold 10 μ *G can be omitted

APPLICATION AND FEATURES

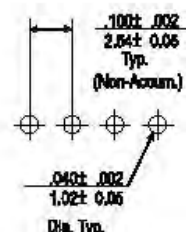
- Low profile 5mm height.
- Designed for parallel and vertical board stacking.
- Dual-beam folded contact and low insertion force.
- Standoffs facilitate post soldering clean.
- Mate with 2.54mm grid single row male header.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



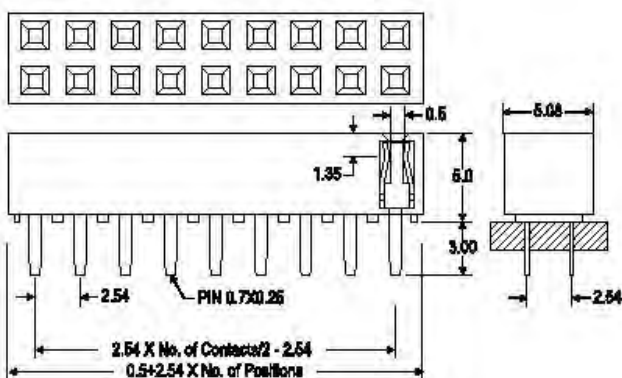
Single



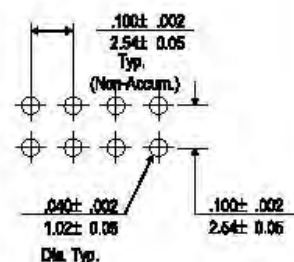
Recommended P.C.Board Hole Layout



Dual



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

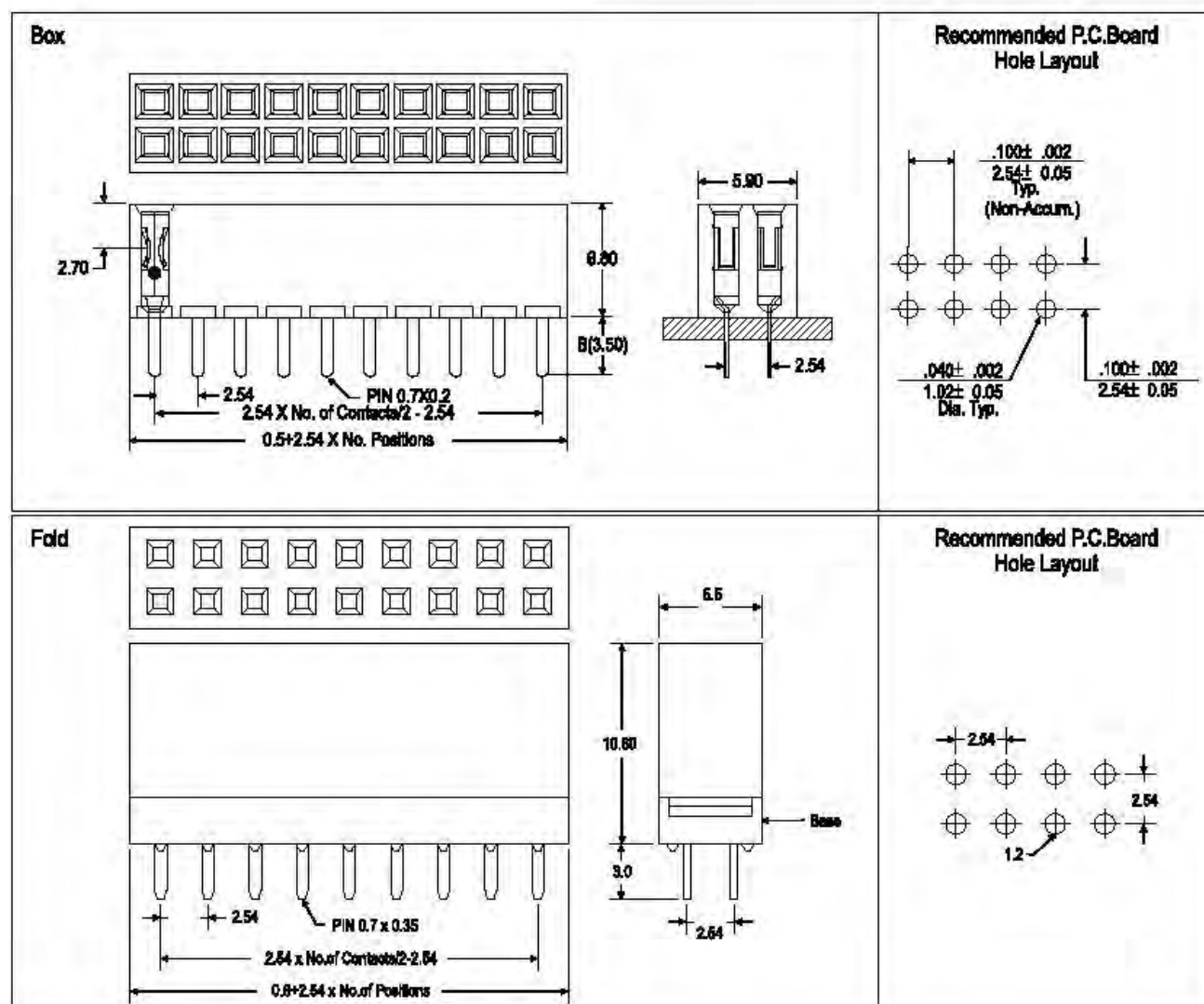
Unit:mm

Series	No of Contact	Type	Row Type	Plating
FH15	Single:03-40 Dual:06-80	S: Straight R: Right Angle	1: Single 2: Dual	G: Gold Flash G1: Gold 5 μ G2: Gold 10 μ *G can be omitted

Female Header Dual Row Straight Dual Beam (2.54mm)

APPLICATION AND FEATURES

- For standard profile application 6.8mm high.
- Accept 0.64mm square pin with closed entry.
- Dual beam box type contacts.
- Designed for parallel and vertical board stacking.
- Designed for appling between 2 P.C. board height: over 13.5mm
- Mate with 2.54mm grid male headers.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Plating
FH16	06-80	A: Fold type contact B: Box type contact	G: Gold G1: Gold 5 μ G2: Gold 10 μ *G can be omitted

FH18 SERIES

Female Header Straight Dual Beam Folded 8.5mm Profile (2.54mm)

D

APPLICATION AND FEATURES

- For profile application 8.5mm high.
- Accepts 0.64mm square pin.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



Single A Type	Recommended P.C.Board Hole Layout Die. Typ.
Dual A Type	Recommended P.C.Board Hole Layout Die. Typ.
Dual B Type	Recommended P.C.Board Hole Layout Die. Typ.

Unit:mm

ORDERING INFORMATION

Series	No of Contact	Type	Row Type	Plating
FH18	Single:03-40 Dual:06-80	A:A type B:B type	1:Single 2:Dual	G:Gold Flash G1:Gold 5 μ G2:Gold 10 μ *G can be omitted



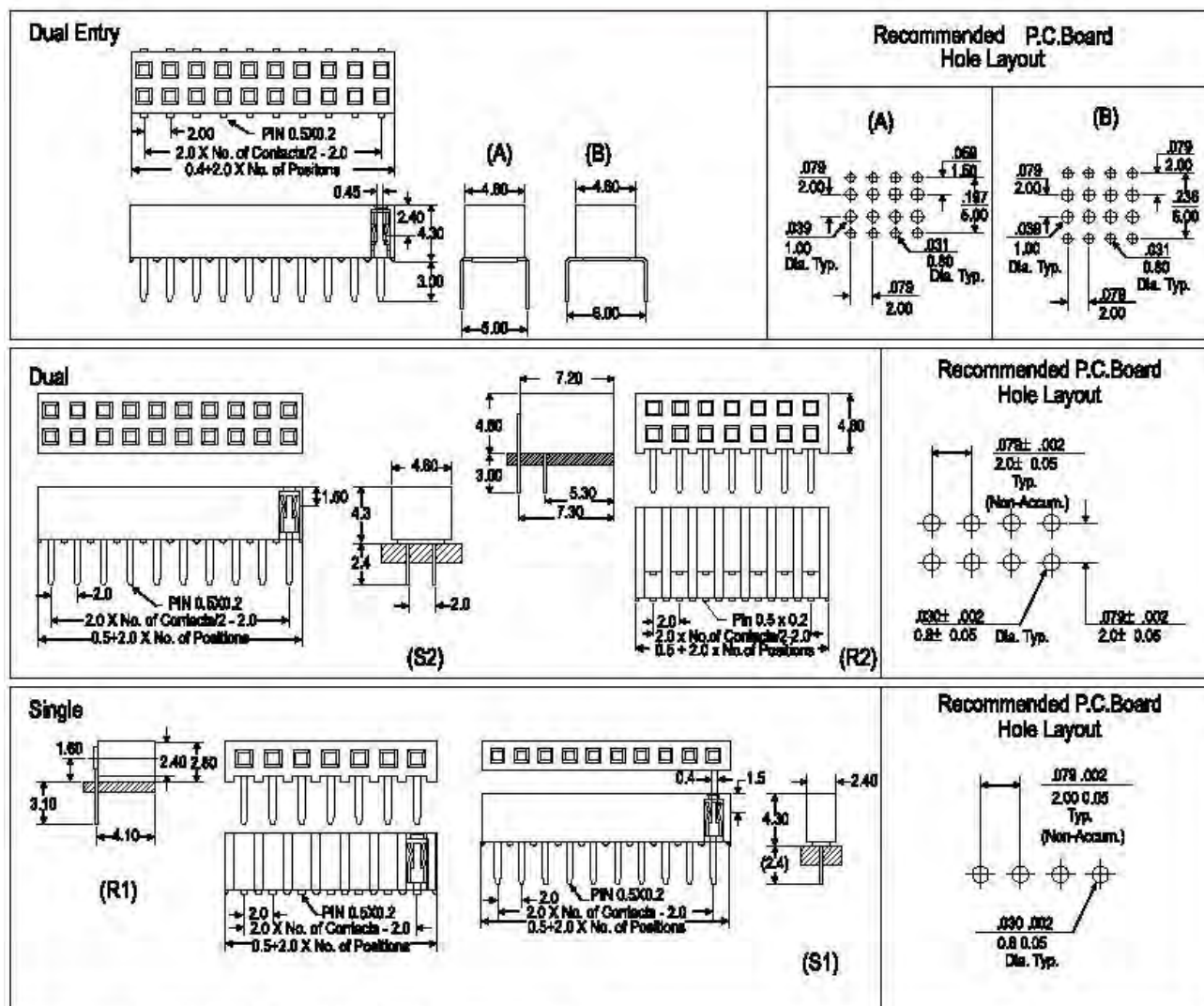
FH24 SERIES

Female Header (2.00mm)

D

APPLICATION AND FEATURES

- Low profile: 4.3mm height.
- High quality dual beam phosphor bronze contacts.
- Designed for board to board small spacing interconnection.
- Standoffs facilitate post soldering clean.
- Mating with 2.0mm pitch and 0.5mm square pin headers.
- Dual-beam folded contact and low insertion force.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: -40° — $+105^{\circ}$ °C
- Max processing temp: 230° or 30–60 seconds
(260° for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Plating
FH24	Single:04-40 Dual:06-80	S1: Straight (single) S2: Straight (dual) R1: Right angle (single) R2: Right angle (dual) DA: Dual entry A DB: Dual entry B	G: Gold Flash G1: Gold 5 μ G2: Gold 10 μ *G can be omitted



FH25 SERIES

Female Header Dual Row (2.00mm)

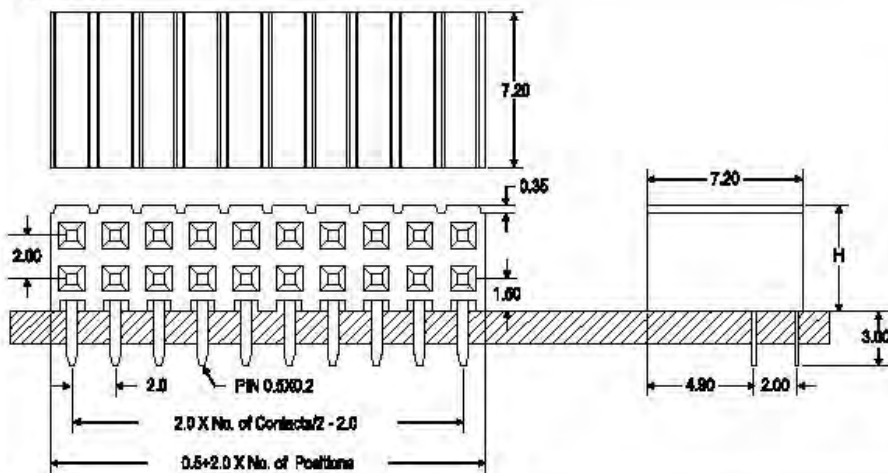
D

APPLICATION AND FEATURES

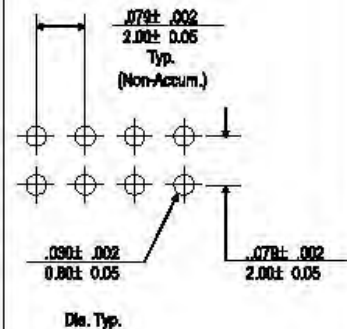
- High reliable dual-beam phosphor bronze contact.
- Designed for board to board small spacing interconnection.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: -40° to $+105^{\circ}$ C
- Max processing temp: 230° or 30~60 seconds (260° for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



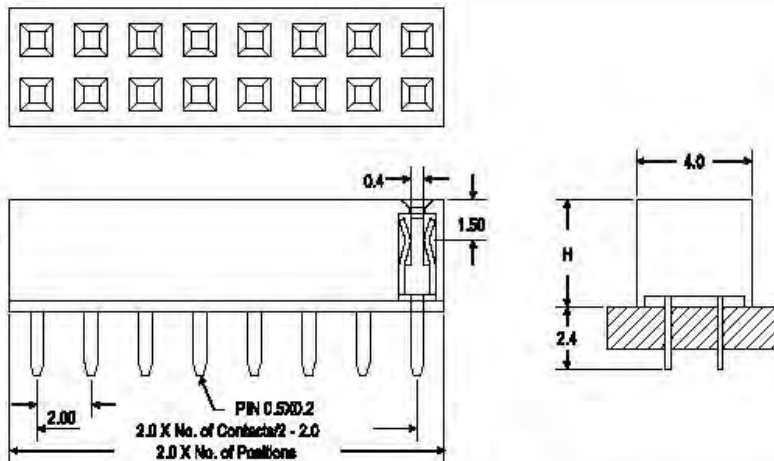
Right Angle



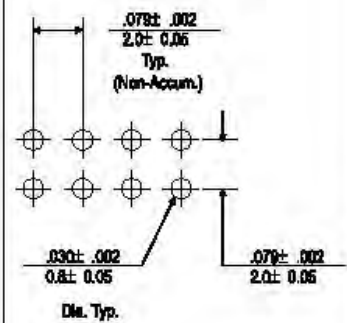
Recommended P.C.Board Hole Layout



Straight



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Plating
FH25	06-80	S1:H=4.0mm(straight) S2:H=4.5mm(straight) R1:H=4.85mm(R/A) R2:H=5.80mm(R/A)	G: Gold Flash G1:Gold 5 μ G2:Gold10 μ *G can be omitted



FH28 SERIES

D

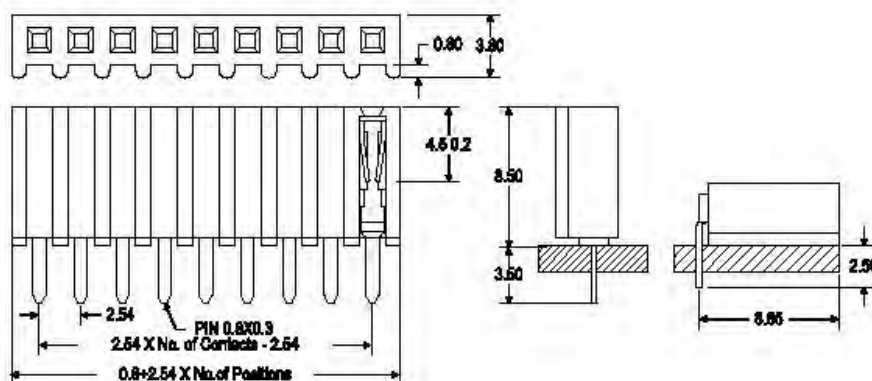
Female Header Dual Beam Folded 8.5mm Profile (2.54mm)

APPLICATION AND FEATURES

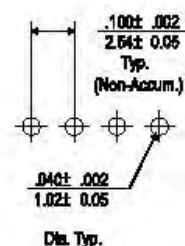
- Standoffs facilitate post soldering clean.
- Dual-beam folded contact.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



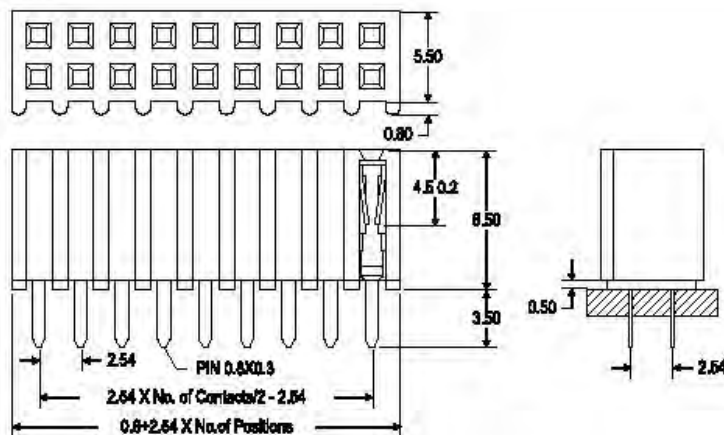
Single



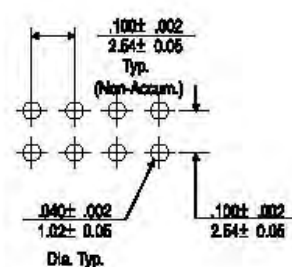
Recommended P.C.Board Hole Layout



Dual



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Row Type	Plating
FH28	Single:03-40 Dual:06-80	S: Straight R: Right Angle	1: Single 2: Dual	G: Gold Flash G1: Gold 5 μ G2: Gold 10 μ *G can be omitted

FH38 SERIES

D

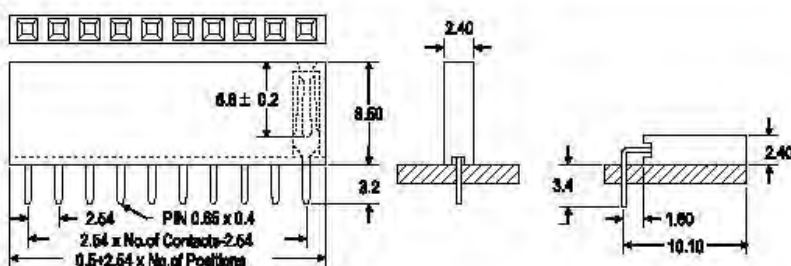
Female Header 8.5mm Profile (2.54mm)

APPLICATION AND FEATURES

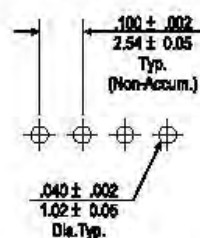
- For standard profile application 8.5mm high.
- Accepts 0.64mm square pin.
- Tuning-fork type contacts designed for low cost.
- Different foot length for customer's design choice.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



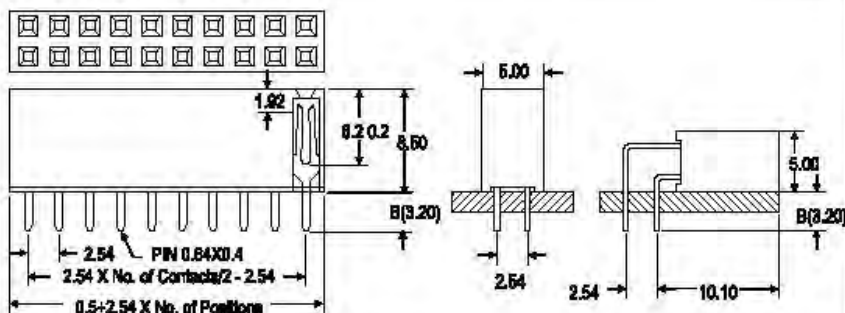
Single



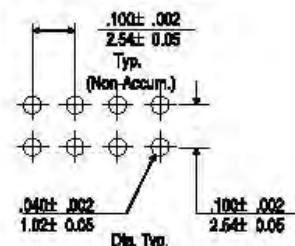
Recommended P.C.Board Hole Layout



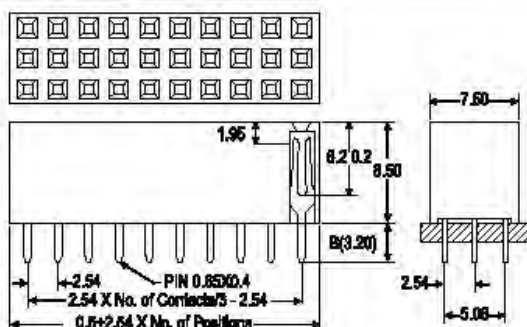
Dual



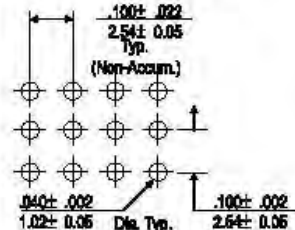
Recommended P.C.Board Hole Layout



Triple



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Row Type	Plating
FH38	Single:03-40 Dual:06-80 Triple:09-120	S: Straight R: Right Angle	1: Single 2: Dual 3: Triple 4: Dual with polarization	G: Gold Flash G1: Gold 5 μ G2: Gold 10 μ *G can be omitted



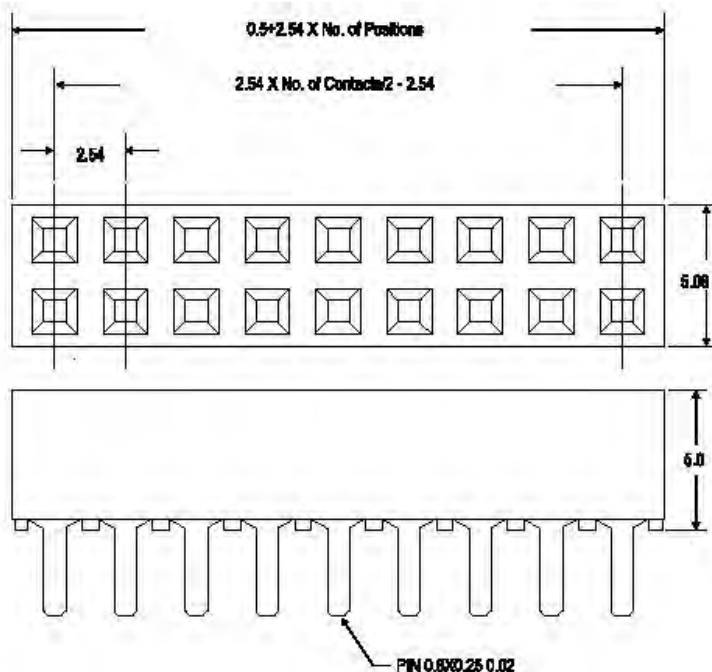
Female Header Dual Row Dual Entry (2.54mm)

APPLICATION AND FEATURES

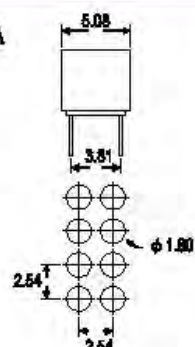
- Bottom entry low profile 5mm height.
- Designed for parallel and vertical board stacking.
- Dual-beam folded contact and low insertion force.
- Standoffs facilitate post soldering clean.
- Mate with 2.54mm grid dual row male header.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



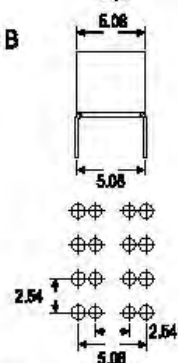
Dual



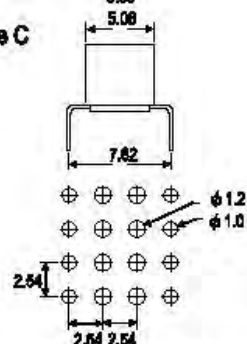
Type A



Type B



Type C



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Row Type	Plating
FHD	06-80	A:A type (3.81mm pitch) B:B type (5.08mm pitch) C:C type (7.62mm pitch)	2:Dual	G:Gold Flash G1:Gold 5 μ G2:Gold 10 μ *G can be omitted

Female Header Single Row Dual Entry (2.54mm)

APPLICATION AND FEATURES

- Dual entry low profile 5mm height.
- Designed for parallel and vertical board stacking.
- Dual-beam folded contact and low insertion force.
- Standoffs facilitate post soldering clean.
- Mate with 2.54mm grid single row male header.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: -40° to $+105^{\circ}$ °C
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



A Type	Recommended P.C.Board Hole Layout
B Type	Recommended P.C.Board Hole Layout
C Type	Recommended P.C.Board Hole Layout

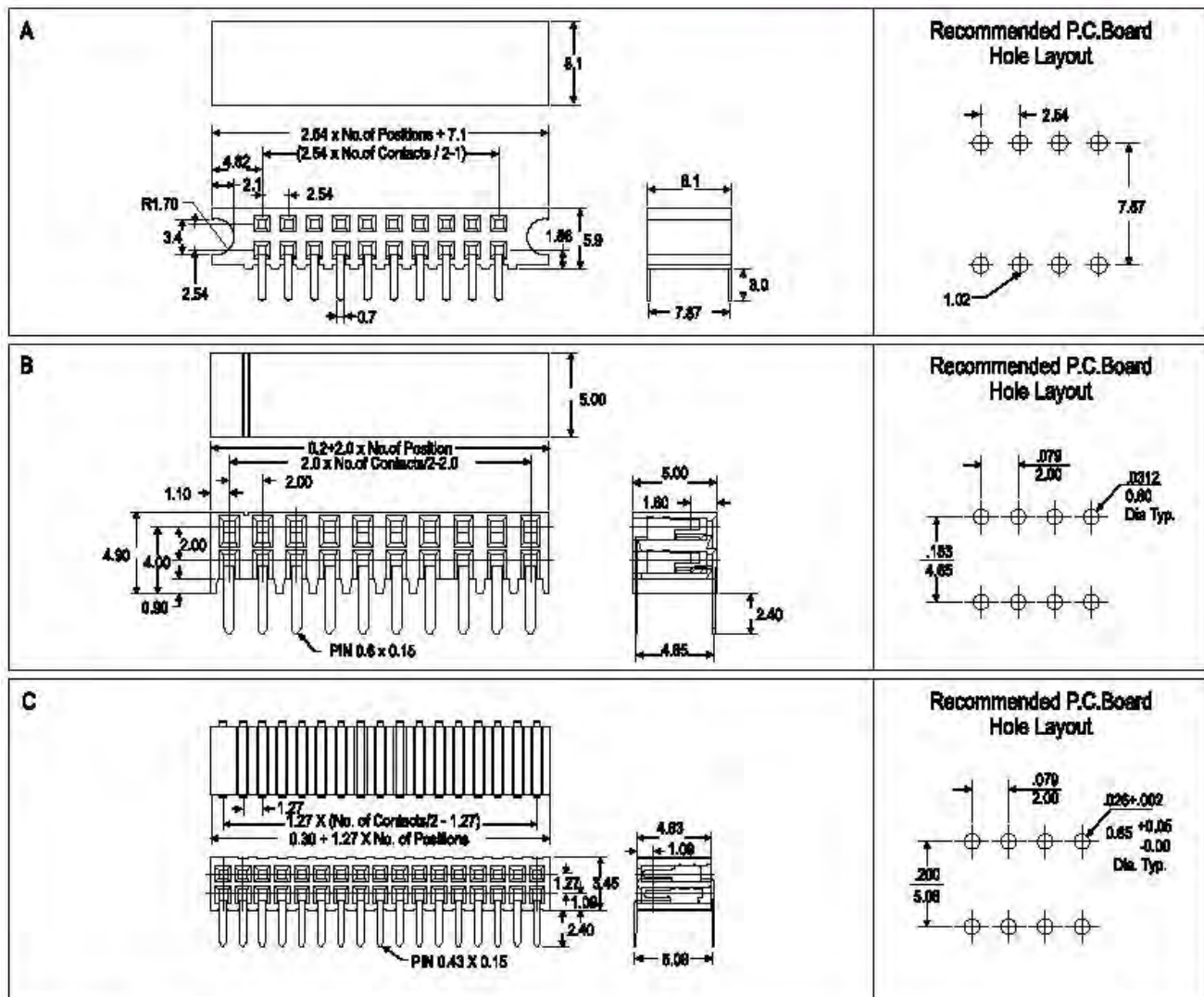
ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Row Type	Plating
FHD	03-40	A:A type B:B type C:C type	1:Single	G:Gold Flash G1:Gold 5 μ G2:Gold 10 μ *G can be omitted

APPLICATION AND FEATURES

- High quality dual beam phosphor bronze contacts.
- Designed for board to board small spacing interconnection.
- Mating with 1.27mm pitch and 0.4mm pin headers.
- Mating with 2.0mm pitch and 0.5mm pin headers.
- Pin stop to prevent shorting circuits between rows.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Max. processing temp: 230 or 30~60 seconds (260 for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Plating
FHS3	A:20,30,40 B:06-50 C:10-50	A:2.54mm pitch B:2.00mm pitch C:1.27mm pitch	G:Gold Flash G1:Gold 5 μ G2:Gold 10 μ *G can be omitted

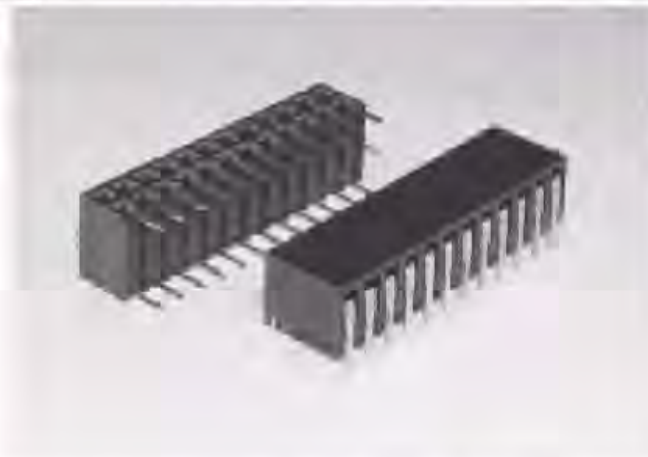
FHS7 SERIES

Female Header Side Entry (2.54mm x 7.87mm)

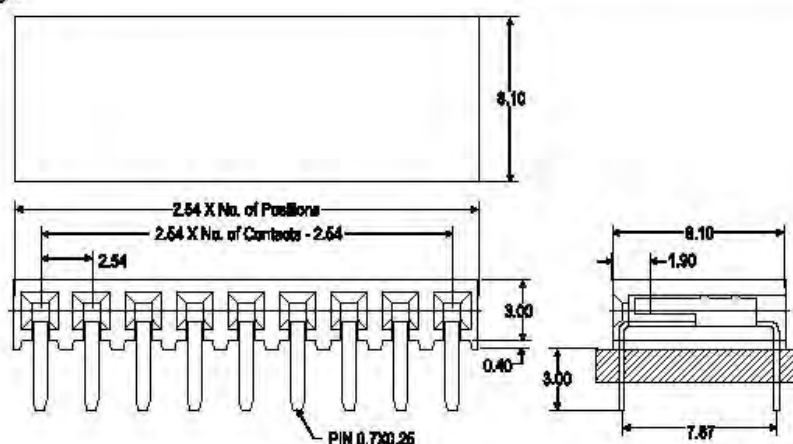
D

APPLICATION AND FEATURES

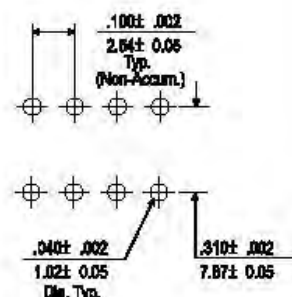
- High reliable dual-beam phosphor bronze contact.
- Designed for right-angle P.C. board mounting.
- Pin stop to prevent shorting circuits between rows.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



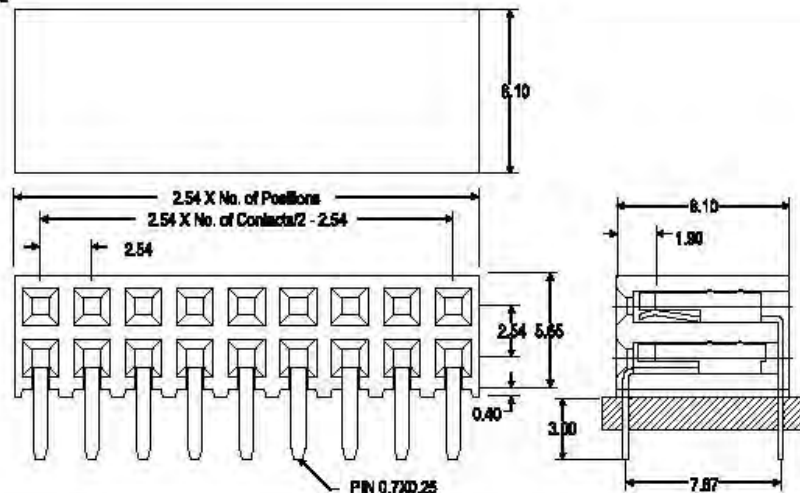
Single



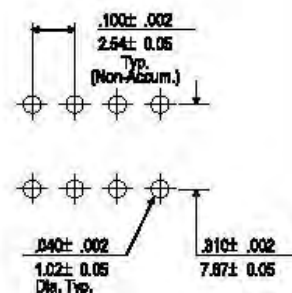
Recommended P.C.Board Hole Layout



Dual



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Plating
FHS7	Single:03-40 Dual:06-80	1:Single 2:Dual	G:Gold Flash G1:Gold 5 μ G2:Gold 10 μ *G can be omitted

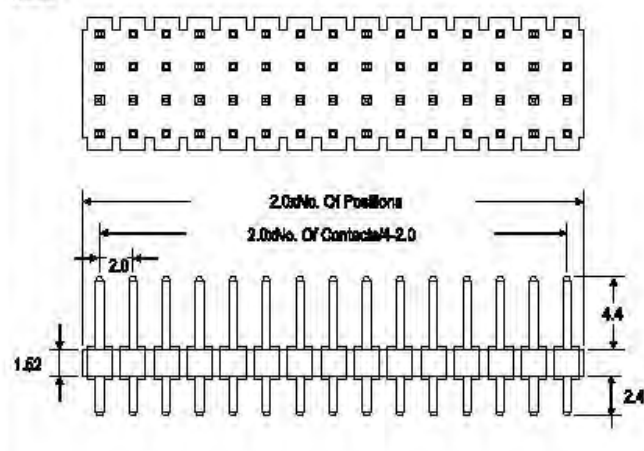


APPLICATION AND FEATURES

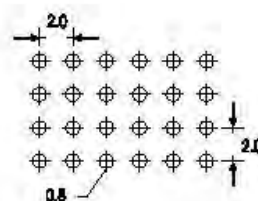
- Side and end Stackable of pin header. (on unbroken edges)
- Notches of pin header for easy breakable.
- Variable pin length, gold selective or gold tin plated.
- Standoffs facilitate post soldering clean.
- Female with high quality dual beam phosphor bronze contacts.
- Female mating with 2.0mm pitch and 0.5mm square Pin Headers.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Brass or phosphor bronze
- Insulator material: Polyester, UL 94V-0



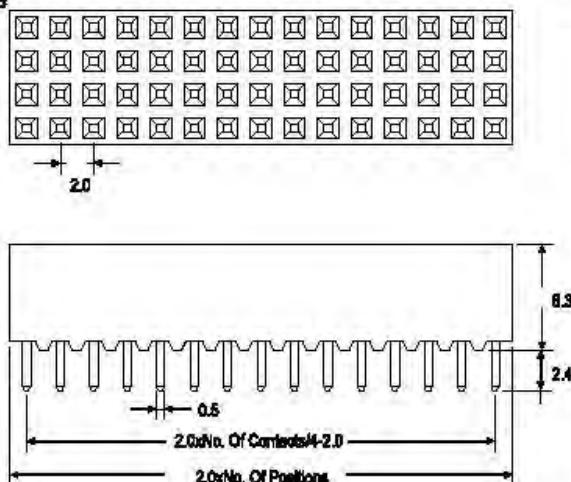
Male



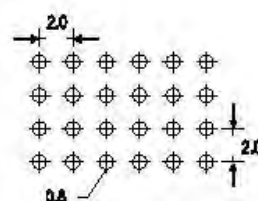
Recommended P.C.Board Hole Layout



Female



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

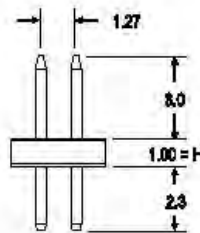
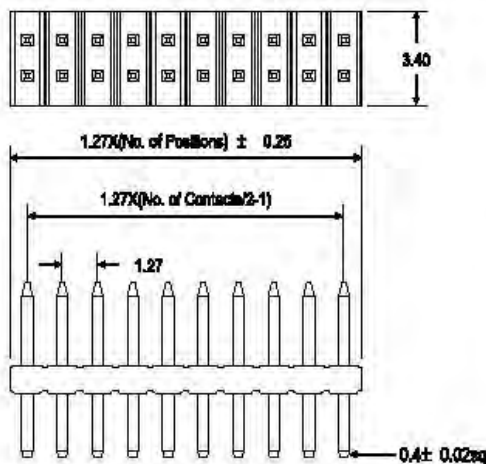
Series	No of Contact	Type	Plating
H3V	24-120	P:Male (plug) S:Female (socket)	T: Tin G: Gold G1: Gold 5 μ *G can be omitted

APPLICATION AND FEATURES

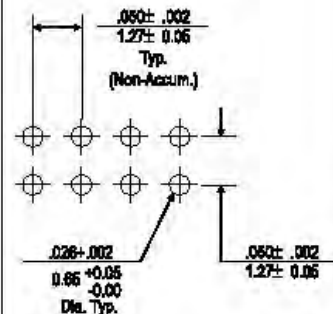
- Side stackable (on unbroken edges).
- Variable pin length, gold tin cleaning.
- Standoffs facilitate post solder cleaning.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: -40° to $+105^{\circ}$ °C
- Max processing temp: 230° or 30~60 seconds (260° for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



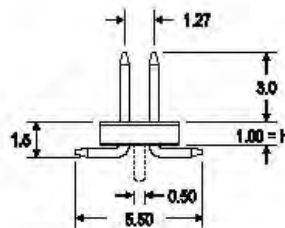
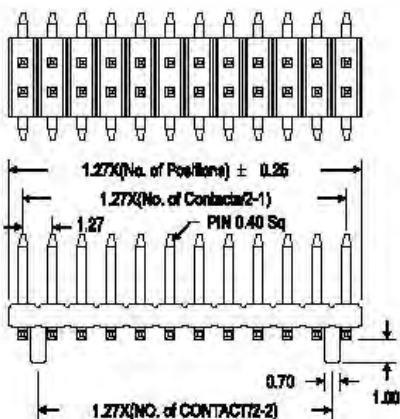
Dip Type



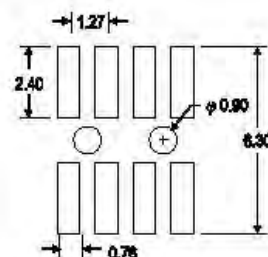
Recommended P.C.Board Hole Layout



SMD Type



Recommended P.C.Board SMD Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Housing	Plating
HDH1	06-100	SD: Straight dip SM: Straight SMD SP: SMD w/post	1.H=1.0mm 2.H=1.5mm 3.H=2.0mm 4.H=2.5mm	T: Tin G: Gold Flash G1: Gold 5 μ *G can be omitted

HDH2 SERIES

H.D. Pin Header Dual Row(1.27mm x 1.27mm)

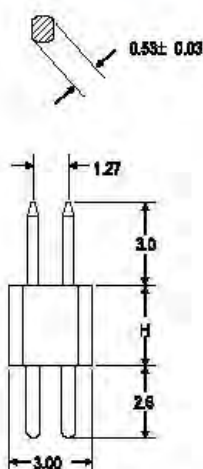
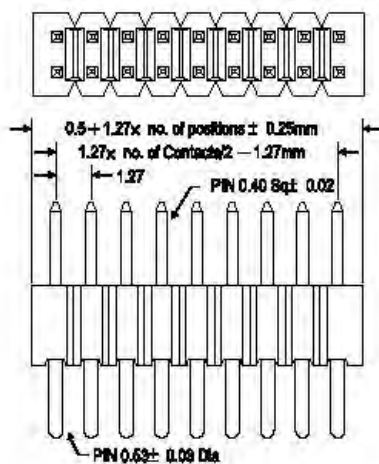
D

APPLICATION AND FEATURES

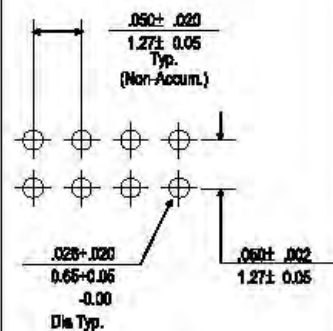
- Side stackable (on unbroken edges).
- Variable pin length, gold tin cleaning.
- Standoffs facilitate post solder cleaning.
- Current rating: 1 amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: -40°C to $+105^{\circ}\text{C}$
- Max processing temp: 230 or 30-60 seconds (260 for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



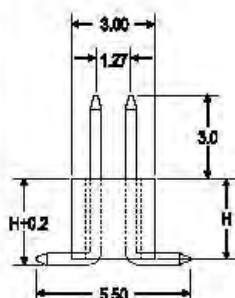
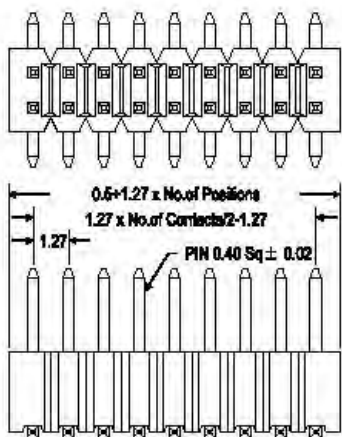
Dip Type



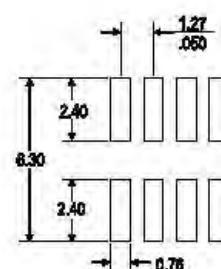
Recommended P.C. Board Hole Layout



SMD Type



Recommended P.C. Board SMD Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Housing	Plating
HDH2	04-100	SD: Straight dip SM: Straight SMD	1:H=2.5mm 2:H=2.9mm 3:H=1.7mm	T: Tin G: Gold Flash G1: Gold 5 μ *G can be omitted

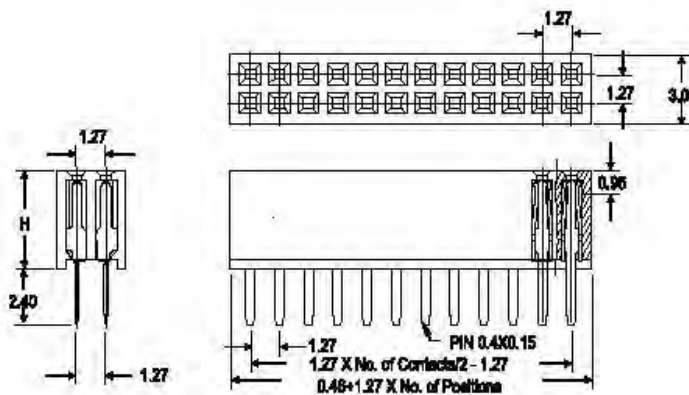


APPLICATION AND FEATURES

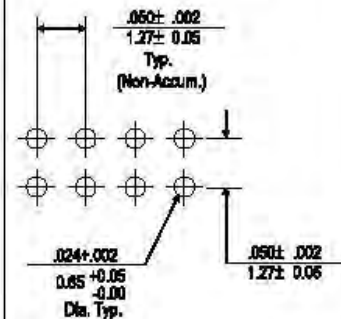
- Side stackable (on unbroken edges).
- Variable with gold or tin plated.
- Standoffs facilitate post solder cleaning.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: -40°C ~ $+105^{\circ}\text{C}$
- Max processing temp: 230 or 30~60 seconds
(260 for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



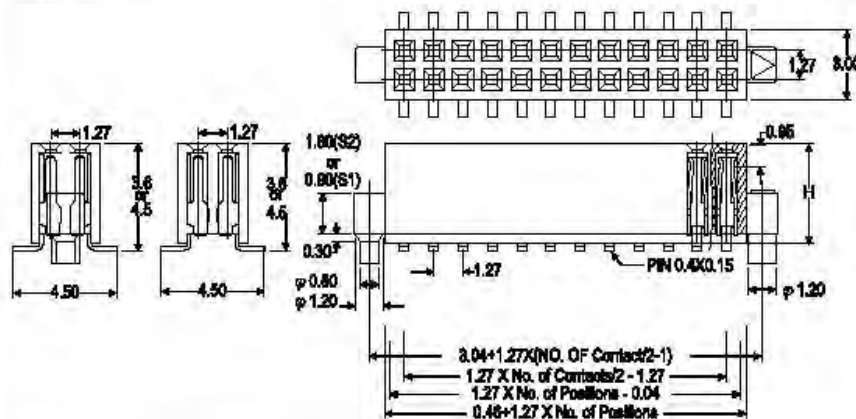
Dip Type



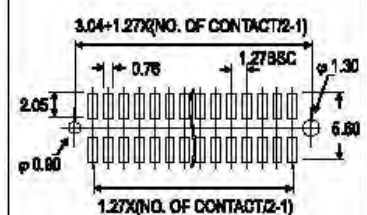
Recommended P.C.Board Hole Layout



SMD Type



Recommended P.C.Board SMD Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Dimension	Plating
HFH	06-100	PD:PCB dip SN:SMD w/o post SP:SMD w/post	H=3.4mm H=4.3mm	G:Gold Flash G1:Gold 5μ G2:Gold 10μ *G can be omitted

HFH4 SERIES

D

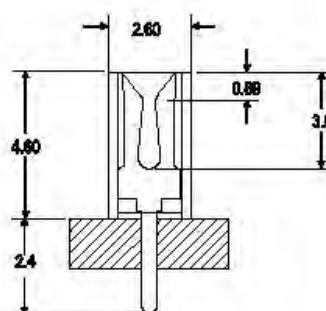
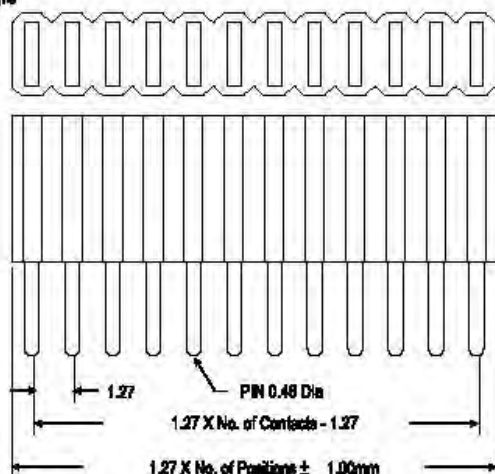
H.D. Female Header Straight 4.6mm Profile(1.27mm x 2.54mm)

APPLICATION AND FEATURES

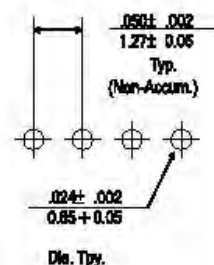
- Low-profile and high density is suitable for devices which require small and light parts.
- High reliability contact provides normal-force after repeated cycles.
- Made with 1.27mm pitch and 0.46mm square or round pin header.
- Current Rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ}\sim+105^{\circ}\text{C}$
- Max processing temp: 230° or 30~60 seconds (260° for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



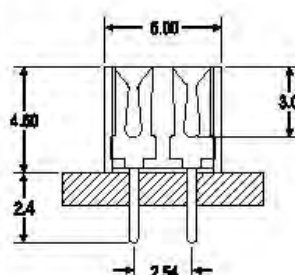
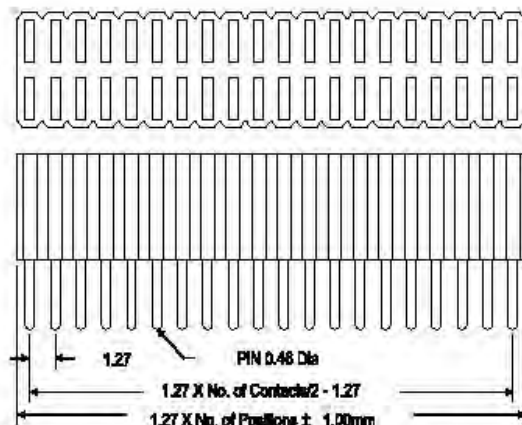
Single



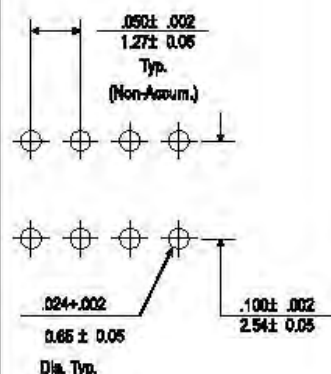
Recommended P.C.Board Hole Layout



Dual



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Row Type	Plating
HFH4	Single:02-40 Dual:04-100	1:Single 2:Dual	G:Gold Flash G1:Gold 5 μ G2:Gold 10 μ *G can be omitted



HFH8 SERIES

H.D. Female Header Straight 8.5mm Profile (1.27mm x 2.54mm)

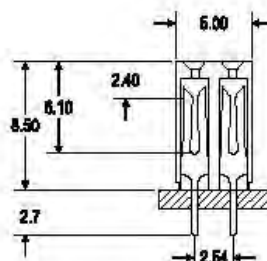
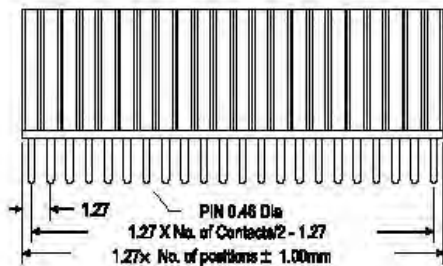
D

APPLICATION AND FEATURES

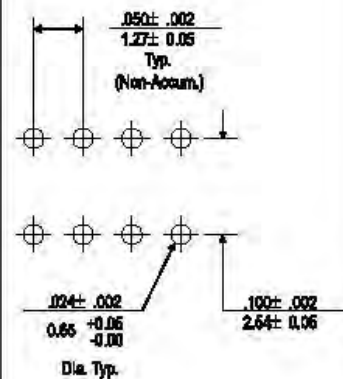
- High density 1.27mm pitch is suitable for devices which require small and light internal parts.
- High durability contact structure provides high normal-force after repeated cycles.
- Mates with 1.27mm pitch and 0.46mm square or round pin header.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: - 40~+105 °C
- Max processing temp: 230 or 30~60 seconds (260° for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



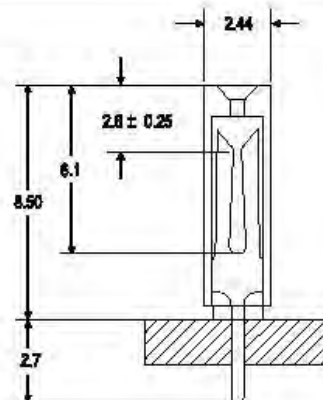
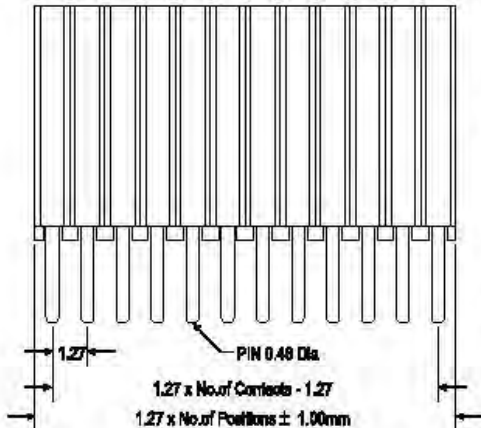
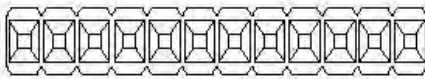
Dual



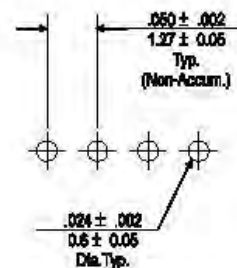
Recommended P.C.Board Hole Layout



Single



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Row Type	Plating
HFH8	Single:03-36 Dual:06-100	1:Single 2: Dual	G:Gold Flash G1:Gold 5 μ G2:Gold10 μ *G can be omitted



HPH1 SERIES

H.D. Pin Header (1.27mm x 2.54mm)

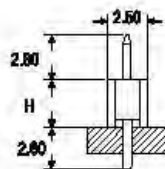
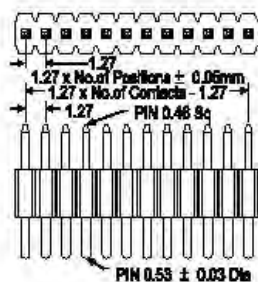
D

APPLICATION AND FEATURES

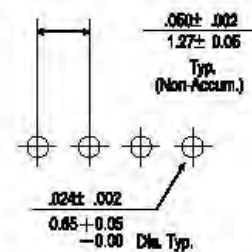
- Ideal for board stacking application.
- Achieve space saving from 6.3mm to 14.5mm
- Standoffs facilitate post soldering clean.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: -40°C to $+105^{\circ}\text{C}$
- Max processing temp: 230°C for 30-60 seconds (260 for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



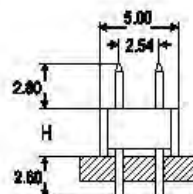
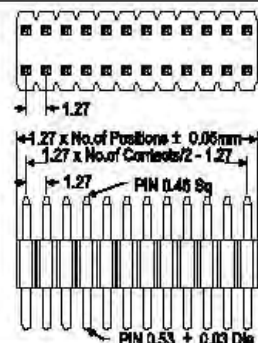
Single Straight



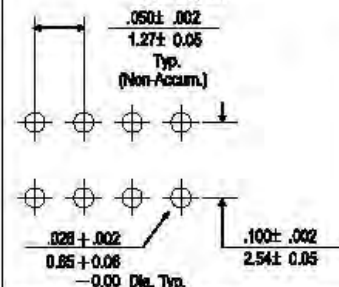
Recommended P.C. Board Hole Layout



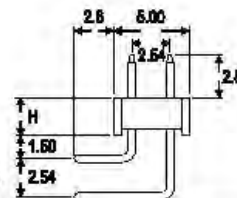
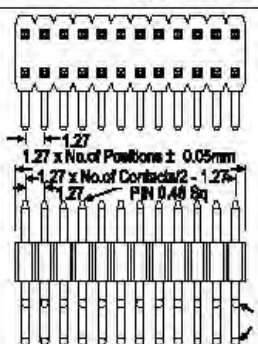
Dual Straight



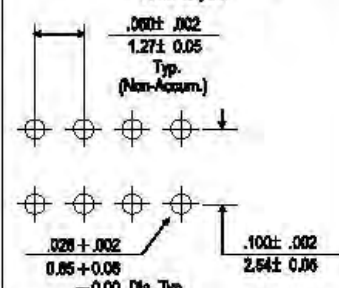
Recommended P.C. Board Hole Layout



Dual R/A



Recommended P.C. Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Row Type	Plating
HPH1	Single:03-32 Dual:06-100	H1: Straight 2.54mm Base H2: Straight 3.0mm Base H3: Straight 1.7mm Base H4: Straight 3.4mm Base H5: Straight 3.95mm Base	1S: Single Straight 2S: Dual Straight 2R: Dual R/A	T: Tin G: Gold Flash S: Selective gold *G can be omitted



HSFH6 SERIES

H.D. SMD Female Header 6.0mm Profile(1.27mm x 2.54mm)

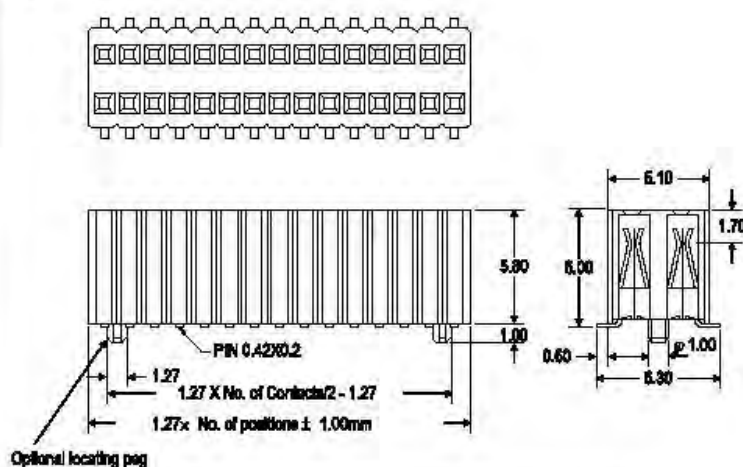
D

APPLICATION AND FEATURES

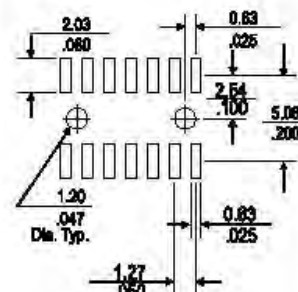
- Low-profile: 6.0mm height.
- High quality dual beam phosphor bronze contacts.
- Designed for board to board small spacing interconnection.
- Mating with 1.27mm pitch and 0.46mm square pin headers.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: -40° — $+105^{\circ}$ °C
- Max processing temp: 230°pr 30~60 seconds (260 for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



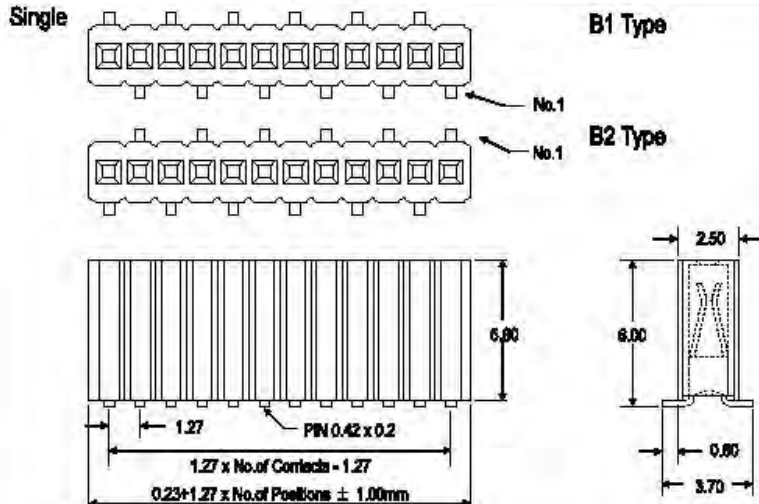
Dual



Recommended P.C.Board SMD Layout



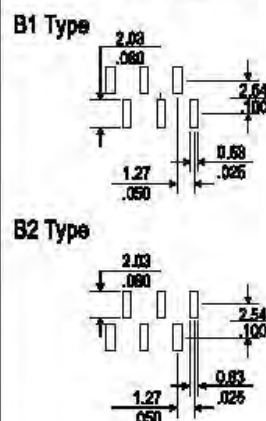
Single



B1 Type

B2 Type

Recommended P.C.Board SMD Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Row Type	Plating
HSFH6	Single:03-50 Dual:06-100	A:B1 type (single) B:B2type(single) N:w/o post (dual) P:with post(dual)	1:Single 2: Dual	G:Gold Flash G1:Gold 5 μ G2:Gold 10 μ *G can be omitted



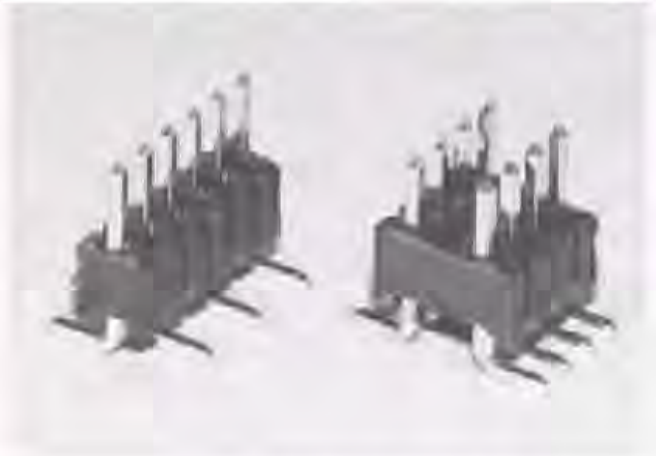
HSPH SERIES

H.D. SMD Pin Header (1.27mm x 2.54mm)

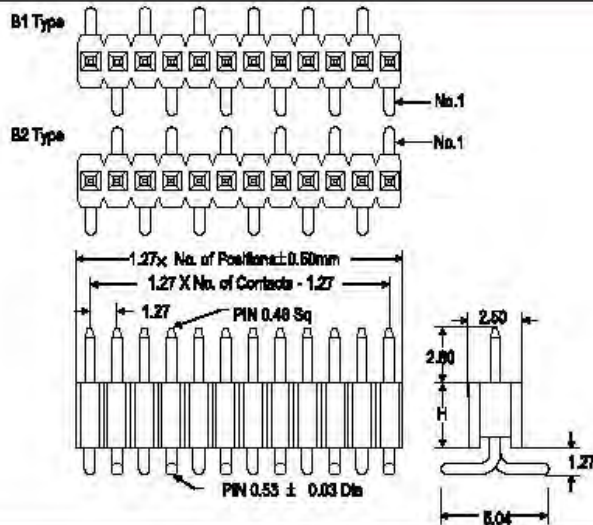
D

APPLICATION AND FEATURES

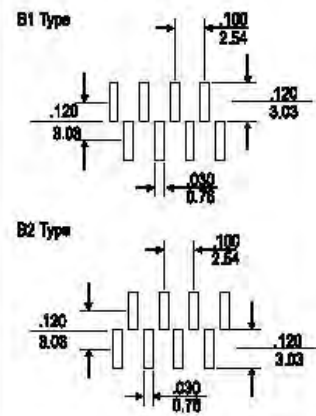
- Notches for easy breakable
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: - 40~+105 °C
- Max processing temp: 230 or 30-60 seconds
(260° for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



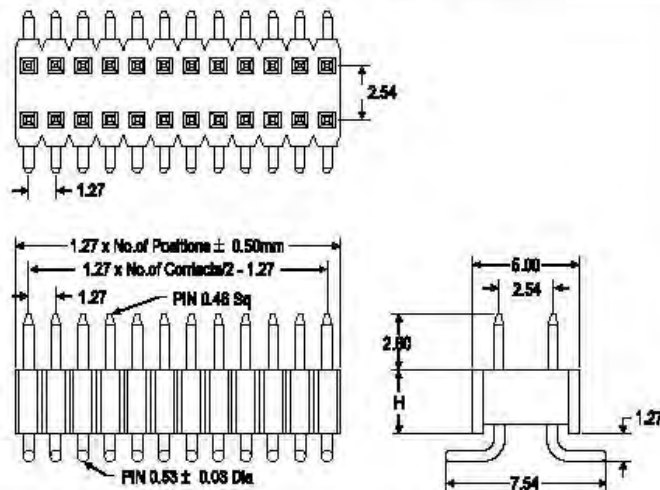
Single



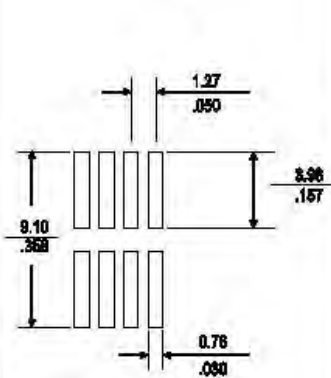
Recommended P.C.Board SMD Layout



Dual



Recommended P.C.Board SMD Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Height	Row Type	Plating
HSPH	Single:03-32 Dual:06-100	H1: Straight 2.54mm Base H2: Straight 3.0mm Base H3: Straight 1.7mm Base H4: Straight 3.4mm Base H5: Straight 3.95mm Base H6: Straight 2.0mm Base	1A: Single B1 1B: Single B2 2: Dual	T: Tin G: Gold Flash S: Selective gold *G can be omitted



PH11 SERIES

Pin Header (2.54mm)

D

APPLICATION AND FEATURES

- Side and end stackable (on unbroken edges)
- Notches for easy breakable.
- Variable pin length, gold or tin plated.
- Standoffs facilitate post soldering clean.
- Mate with mini jumper and P.C. board connectors.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ}\text{C}$
- Contact material: Brass or phosphor bronze
- Insulator material: Polyester, UL 94V-0



Single Contacts end 0.64 Sq Solder end 0.64 Sq 2.54 x No. of Positions 2.54 x No. of Contacts 2.54 S1 Type R1 Type R2 Type	Recommended P.C. Board Hole Layout $.100 \pm .002$ 2.54 ± 0.05 Typ. (Non-Accum.) $.040 \pm .002$ 1.02 ± 0.05 Dia. Typ.
Dual Contacts end 0.64 Sq Solder end 0.64 Sq 2.54 x No. of Positions 2.54 x No. of Contacts 2.54 S1 Type R1 Type	Recommended P.C. Board Hole Layout $.100 \pm .002$ 2.54 ± 0.05 Typ. (Non-Accum.) $.040 \pm .002$ 1.02 ± 0.05 Dia. Typ. $.100 \pm .002$ 2.54 ± 0.05
Triple Contacts end 0.64 Sq Solder end 0.64 Sq 2.54 x No. of Positions $\pm 0.25\text{mm}$ 2.54 x No. of Contacts 2.54	Recommended P.C. Board Hole Layout $.100 \pm .002$ 2.54 ± 0.05 Typ. (Non-Accum.) $.100 \pm .002$ 2.54 ± 0.05 $.040 \pm .002$ 1.02 ± 0.05 Dia. Typ.

ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Row Type	Plating
PH11	Single:02-40 Dual:04-80 Triple:06-120	S1: Straight R1: Right angle R2: Right angle *Dimension is optional	1: Single 2: Dual 3: Triple	T: Tin G: Gold S: Selective gold *G can be omitted



PH14 SERIES

Pin Header Dual Row (2.54mm)

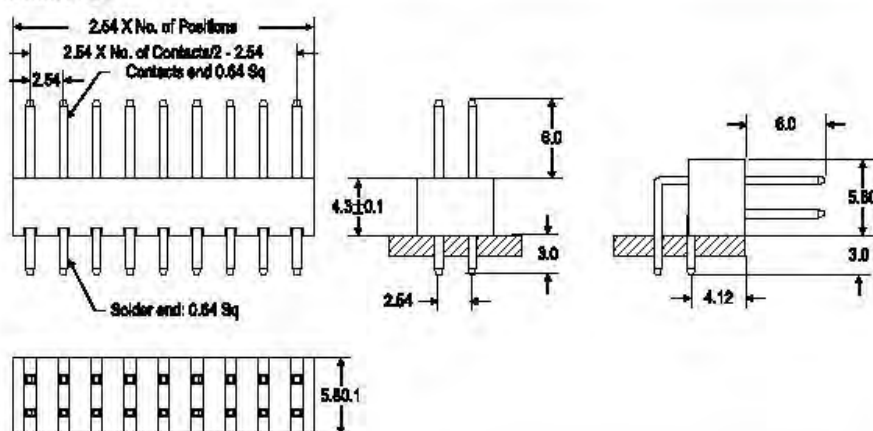
D

APPLICATION AND FEATURES

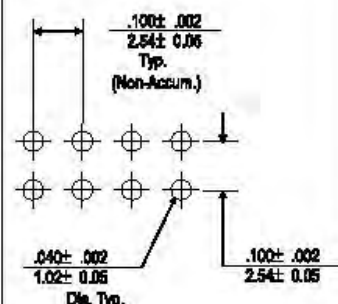
- Variable pin length gold or tin plated.
- Strands facilitate post soldering clean.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Brass or phosphor bronze
- Insulator material: Polyester, UL 94V-0



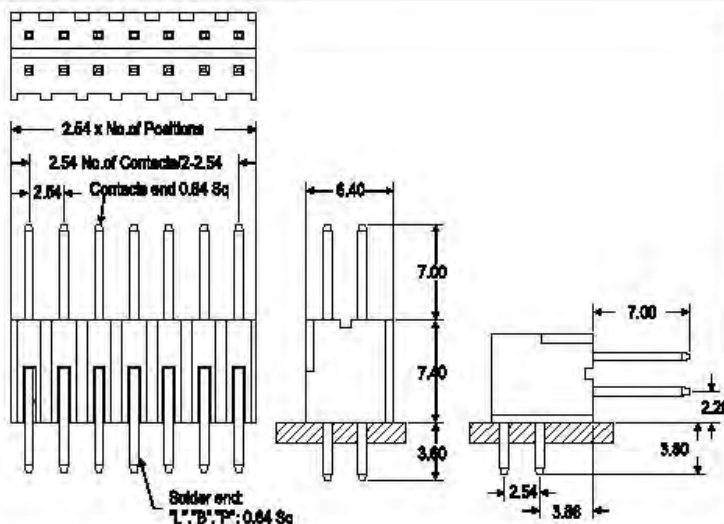
4.3mm Base



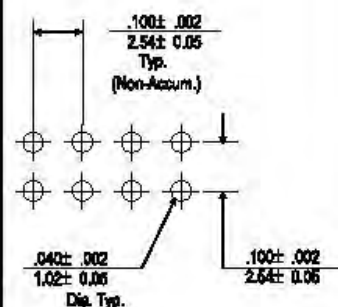
Recommended P.C.Board Hole Layout



7.4mm Base



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Housing	Plating
PH14	8-80	S1: Straight R1: Right Angle *Dimension is optional	1: 4.3mm base 2: 7.4mm base	T: Tin G: Gold Flash G1: Gold 5 μ *G can be omitted



PH21 SERIES

H.D. Header (2.00mm)

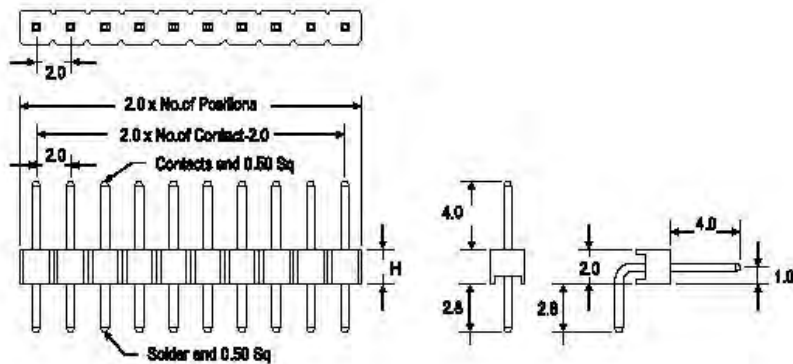
D

APPLICATION AND FEATURES

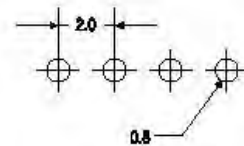
- Side stackable (on unbroken edges).
- Notches for easy breakable.
- Variable pin length, gold selective gold or tin plated.
- Standoffs facilitate post soldering clean.
- Mate with P.C. board connectors.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: -40° to $+105^{\circ}$ °C
- Contact material: Brass or phosphor bronze
- Insulator material: Polyester, UL 94V-0



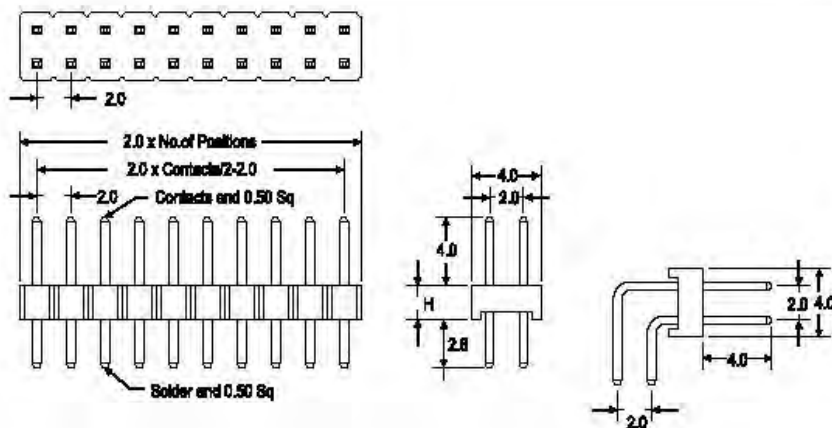
Single



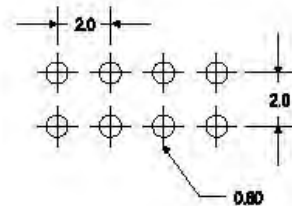
Recommended P.C.Board Hole Layout



Dual



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Row Type	Housing	Plating
PH21	Single:02-40 Dual:04-80	S1: Straight A/B (4.0/2.8) R1: R/A A/B (4.0/2.8) *Dimension is optional	1: Single 2: Dual	A: H=2.0mm B: H=1.5mm	T: Tin G: Gold Flash G1: Gold 5 μ S: Selective gold *G can be omitted



PH24 SERIES

Pin Header Dual Row (2.00mm)

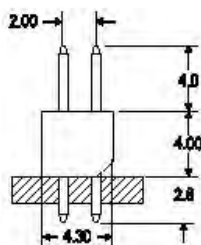
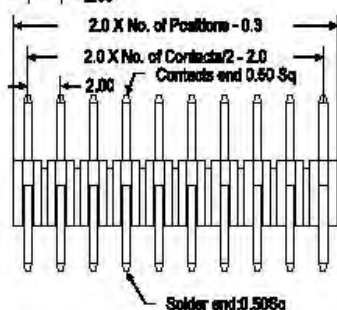
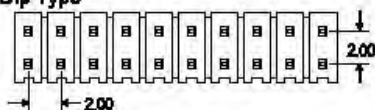
D

APPLICATION AND FEATURES

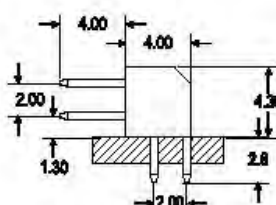
- Standoffs facilitate post soldering clean.
- Variable pin length, gold selective gold or tin plated.
- Mate with 2.0mm pitch P.C. board female connector and shunt connector.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Brass or phosphor bronze
- Insulator material: Polyester, UL 94V-0



Dip Type

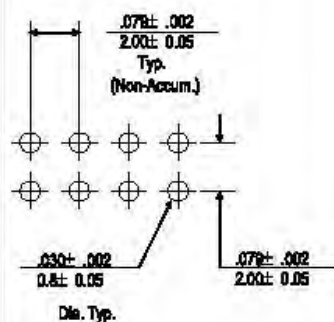


Type "S1"

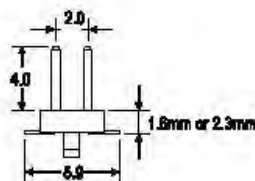
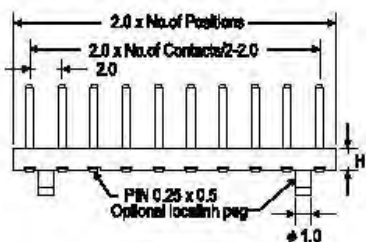
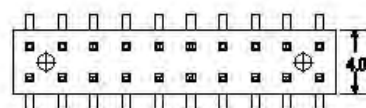


Type "R"

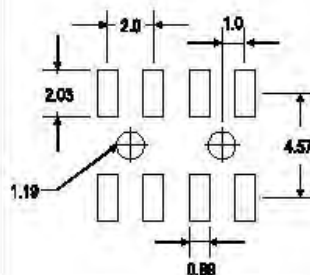
Recommended P.C.Board Hole Layout



SMD Type



Recommended P.C.Board SMD Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Plating
PH24	06-50	S1: Straight dip R1: R/A dip N1: SMD H=1.4mm w/o post N2: SMD H=2.1mm w/o post P1: SMD H=1.4mm w/post P2: SMD H=2.1mm w/post	T: Tin G: Gold S: Selective gold *G can be omitted



PHS1 SERIES

Pin Header Board Spacer (2.54mm)

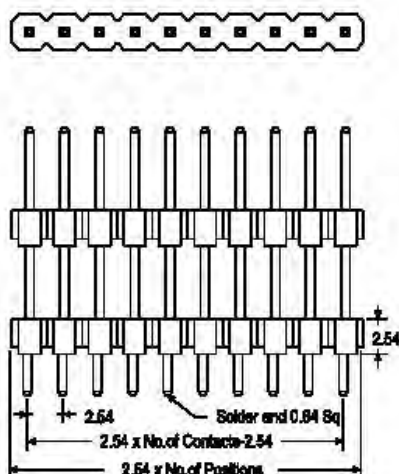
D

APPLICATION AND FEATURES

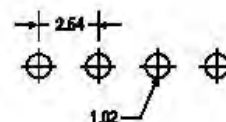
- Side and end stockable of pin header: (on unbroken edges)
- Notches of pin header for easy breakable.
- Maintains the dimension between two P.C. board.
- Variable pin length, gold or tin plated.
- Standoffs facilitate post soldering clean.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: -40° $+$ 105° °C
- Contact material: Brass or phosphor bronze
- Insulator material: Polyester, UL 94V-0



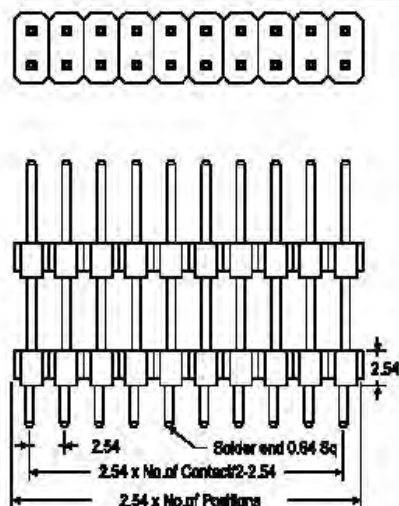
Single



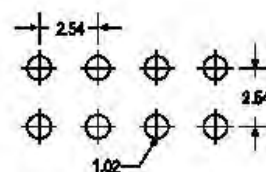
Recommended P.C.Board Hole Layout



Dual



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Plating
PHS1	Single:02-40 Dual:04-80	S1:6.0/10.4/3.0(Single) D1:6.0/10.4/3.0(Dual) *Dimension is optional	T:Tin G:Gold Flash S:Selective gold *G can be omitted



PHS2 SERIES

Pin Header Board Spacer (2.00mm)

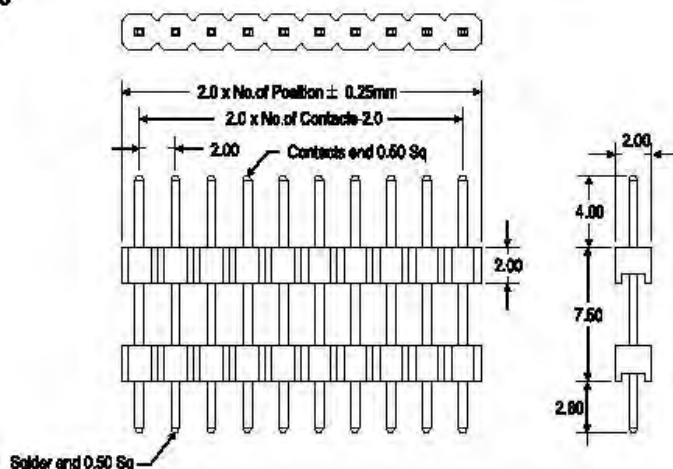
D

APPLICATION AND FEATURES

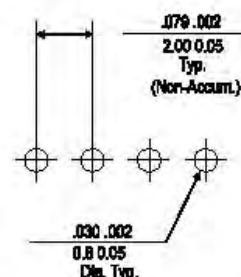
- Side stackable (on unbroken edges).
- Notches for easy breakable.
- Maintain the dimension between two P.C. boards.
- Provides a means of electronically connecting two discrete boards.
- Variable pin length, gold or tin plated.
- Standoffs facilitates post soldering clean.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: -40° $+105^{\circ}$ C
- Contact material: Brass or phosphor bronze
- Insulator material: Polyester, UL 94V-0



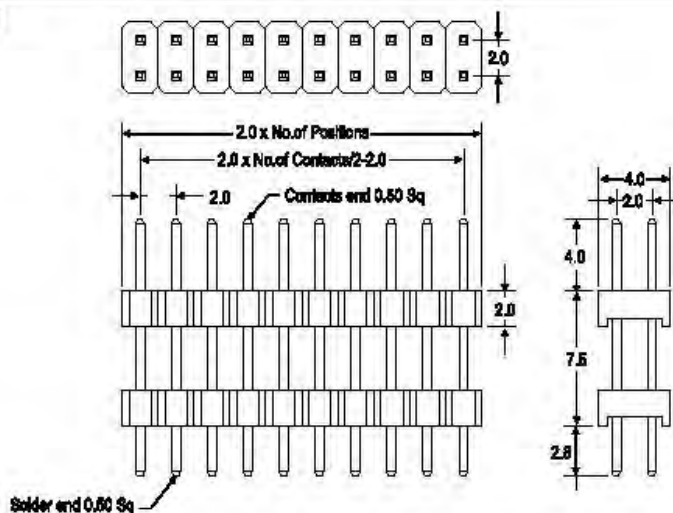
Single



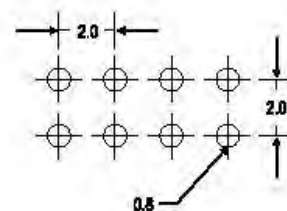
Recommended P.C.Board Hole Layout



Dual



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Row Type	Plating
PHS2	Single:02-40 Dual:04-80	S1:4.0/7.5/2.8(Single) D1:4.0/7.5/2.8(Dual) *Dimension is optional	1:Single 2:Dual	T:Tin G:Gold Flash S:Selective gold *G can be omitted

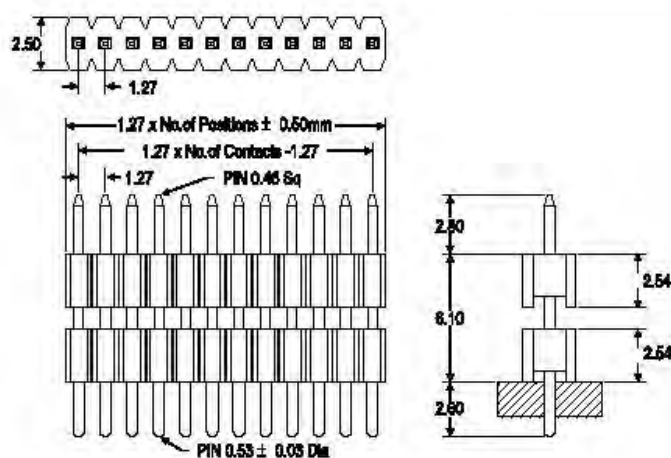


APPLICATION AND FEATURES

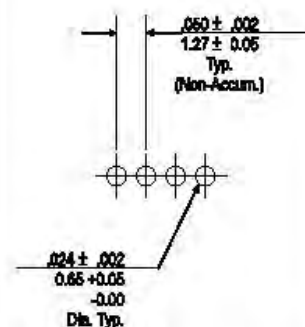
- Ideal for board stacking application.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Dielectric withstanding: AC 500V
- Operating temperature: -40°C ~ $+105^{\circ}\text{C}$
- Max processing temp: 230° or 30~60 seconds (260° for 10 seconds)
- Contact material: Brass
- Insulator material: Polyester, UL 94V-0



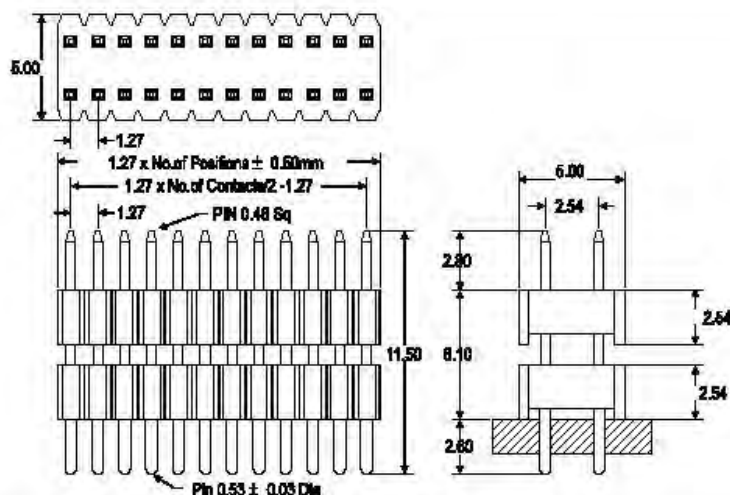
Single



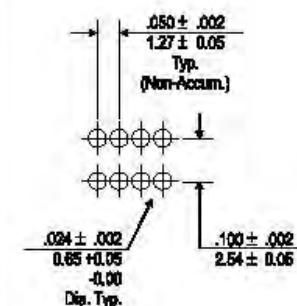
Recommended P.C.Board Hole Layout



Dual



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

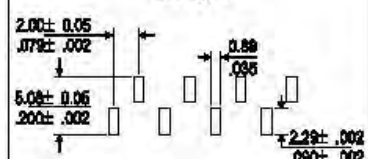
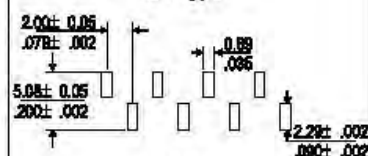
Series	No of Contact	Type	Row Type	Plating
PHS3	Single:02-32 Dual:06-100	S1:2.8/6.1/2.6(Single) D1:2.8/6.1/2.6(Dual) *Dimension is optional	1:Single 2:Dual	T:Tin G:Gold Flash S:Selective gold *G can be omitted

D

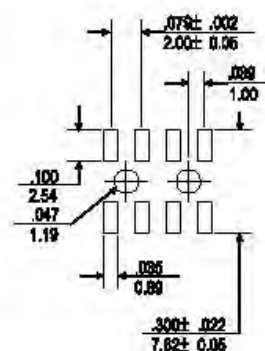
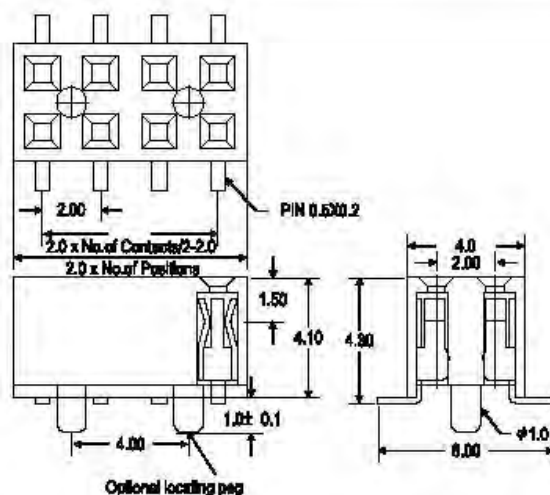
APPLICATION AND FEATURES

-

Recommended P.C.Board SMD Layout



Recommended P.C.Board SMD Layout



Unit:mm

Series	No of Contact	Type	Plating
SFH2	Single:04-25 Dual:06-60	S1:Single B1 S2:Single B2 DN:Dual w/o post DP:Dual w/post	G: Gold Flash G1:Gold 5 μ G2:Gold 10 μ *G can be omitted

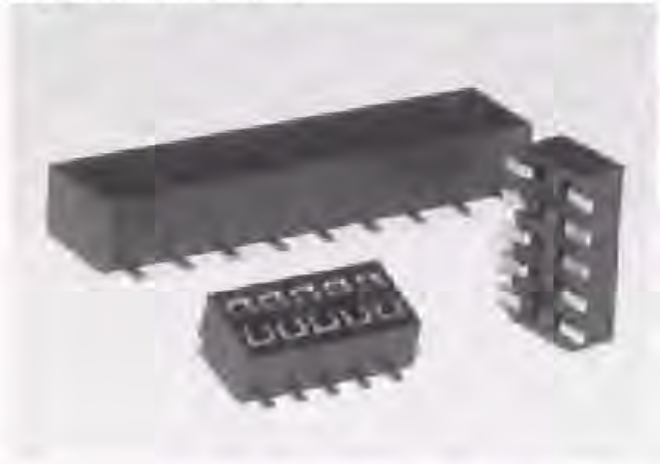
SFH12 SERIES

H.D. SMD Female Header Dual Row Low Profile (1.27mm & 2.0mm)

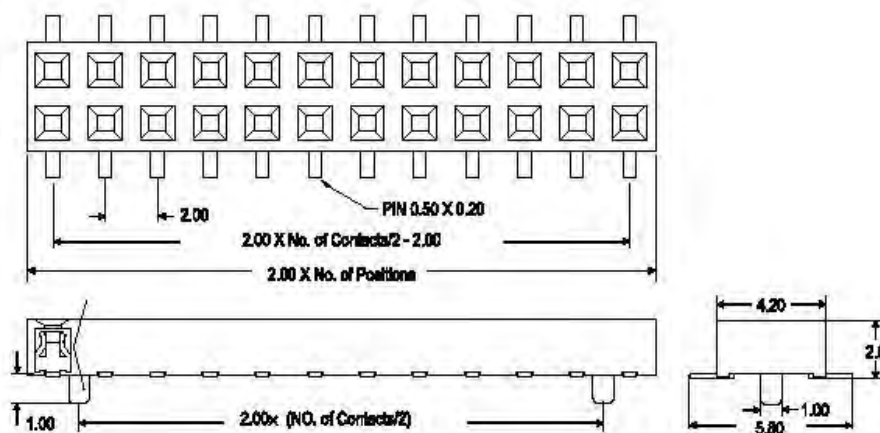
D

APPLICATION AND FEATURES

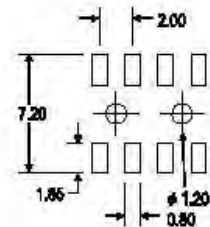
- Side stackable (on unbroken edges).
- Variable pin length, gold tin cleaning.
- High quality dual beam phosphor bronze contacts.
- Designed for board to board small spacing interconnection.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: -40°C to $+105^{\circ}\text{C}$
- Max processing temp: 230° or 30~60 seconds (260° for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



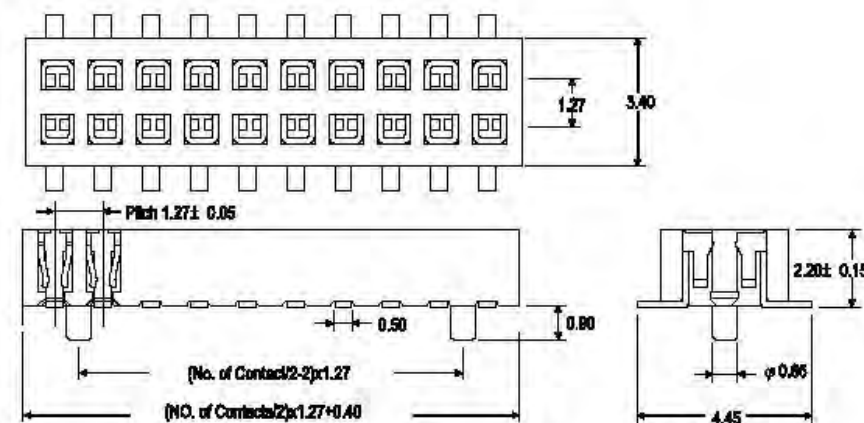
2.0mm



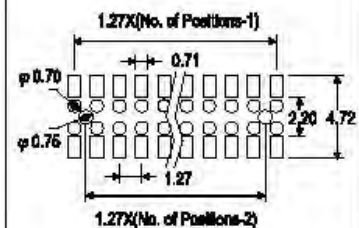
Recommended P.C.Board
SMD Layout



1.27mm



Recommended P.C.Board
SMD Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Pitch	Plating
SFH12	10-60(2.0mm) 10-100(1.27mm)	N:w/o post P:w/ post	1:1.27mm 2:2.00mm	G:Gold Flash G1:Gold 5 μ G2:Gold 10 μ *G can be omitted



SFH17 SERIES

SMD & Dip Female Header Straight 7.1mm Profile (2.54mm)

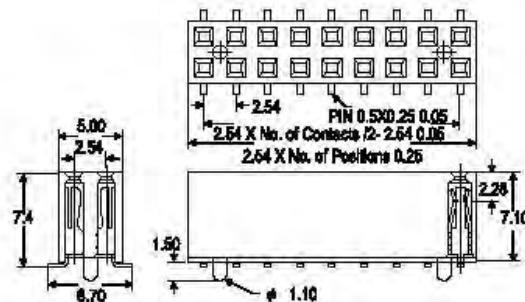


APPLICATION AND FEATURES

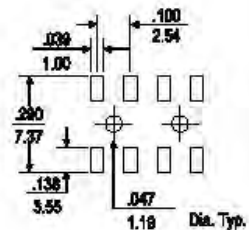
- For profile application 7.5mm high.
- Accept 0.64mm square pin.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: -40° to $+105^{\circ}$ °C
- Max processing temp: 230° or 30~60 seconds (260° for 10 seconds)
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



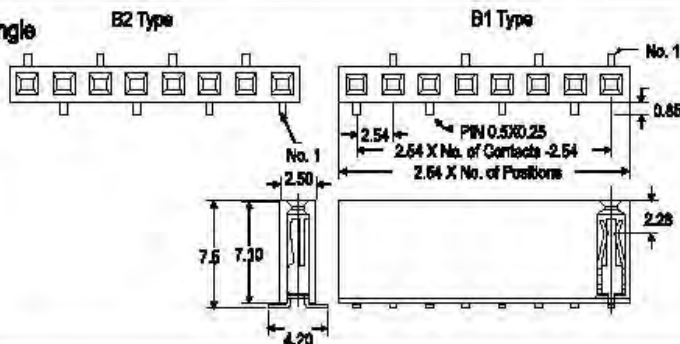
SMD Dual



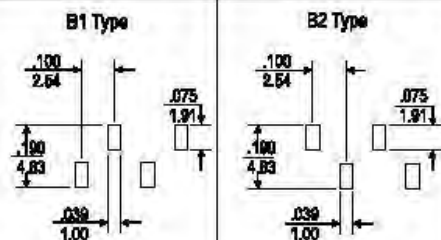
Recommended P.C.Board SMD Layout



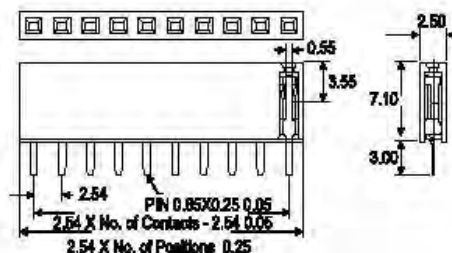
SMD Single



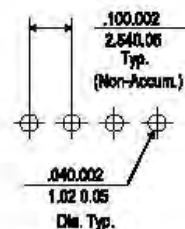
Recommended P.C.Board SMD Layout



Dip Single



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Plating
SFH17	Single:03-40 Dual:06-80	SD:Single dip SA:Single SMD B1 SB:Single SMD B2 DN: Dual SMD w/o post DP: Dual SMD w/post	G:Gold Flash G1:Gold 5 μ G2:Gold 10 μ *G can be omitted

