

ATA SERIES

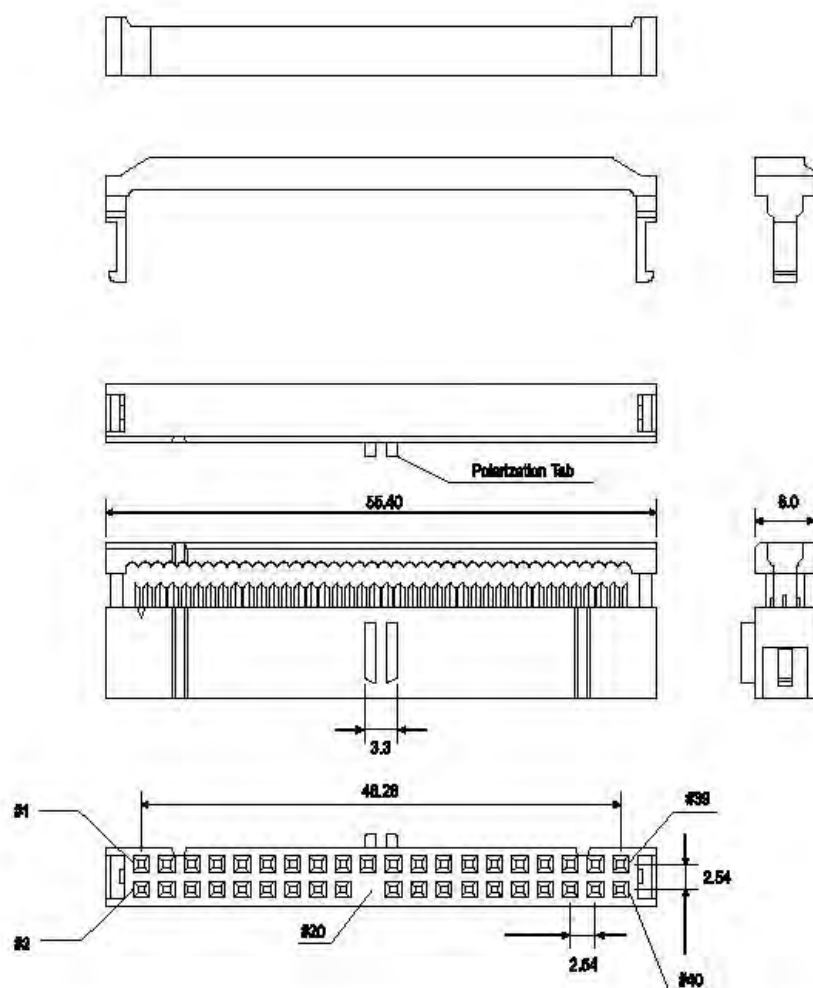
Ultra ATA Bus Connector (2.54mm)

D

APPLICATION AND FEATURES

Specification

- Insulator: PBT (UL94V-0)
- Contact: Copper alloy
- Current rating: 1Amp DC
- Contact resistance: 15 Milliohm max
- Insulation resistance: 500 Megohm min
- Dielectric voltage: 500V AC for one minute
- Operating temperature: -40°C to + 105°C



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Housing	Color	Plating
ATA	40	2: w/o S.R. 3: with S.R.	BL: black GY: grey BE: Blue	S: Selective gold G: Gold G1: Gold 5 μ *S can be omitted



BH1 SERIES

Box Header (2.54mm)

D

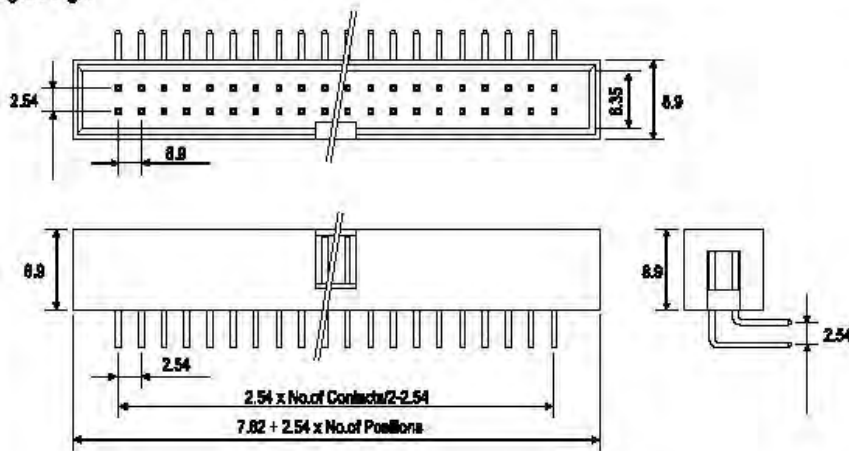
APPLICATION AND FEATURES

Specification

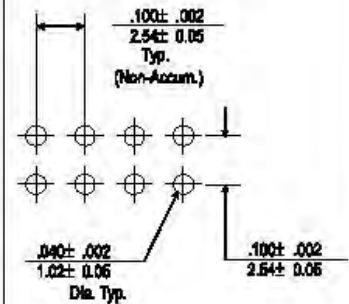
- Current resistance: 30mΩ max. At DC 100
- Insulator resistance: 1000mΩ min. At DC 500V
- Current rating: 1 Amp
- Dielectric strength: 500V AC for 1 minute
- Voltage rating: 250V AC
- Operating temperature: -55°C to +105°C
- Contact: Brass
- Housing: PBT & 30% glass fiber (UL94V-0)



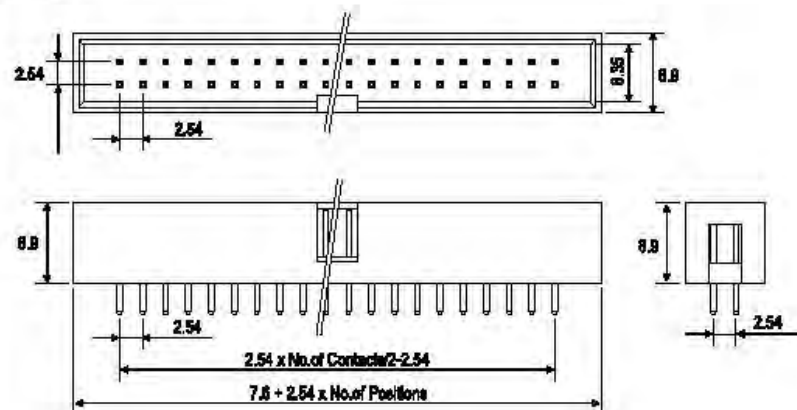
Right Angle



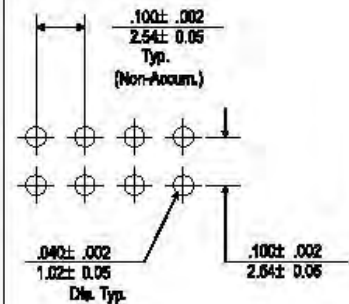
Recommended P.C.Board Hole Layout



Straight



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Plating
BH1	06-64	S: Straight R: Right Angle	G:Gold S: Selective gold G1:Gold 5 μ *G can be omitted

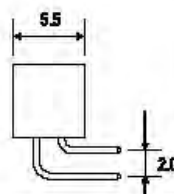
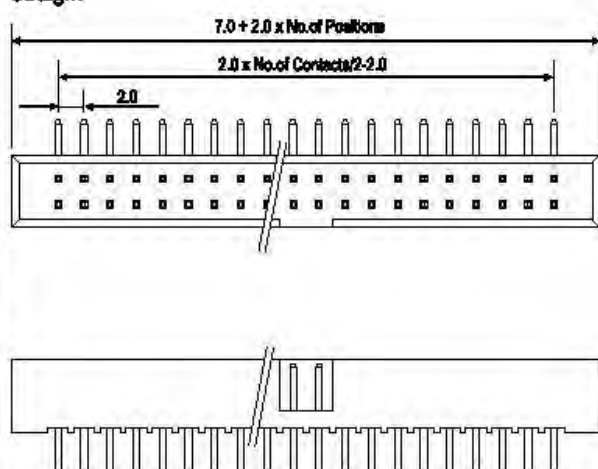
APPLICATION AND FEATURES

Specification

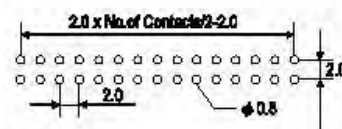
- Current rating: 1 Amp
- Insulator resistance: 5000m Ω min.
500V DC for 1 minute
- Dielectric withstanding: AC 500V for 1 minute
- Operating temperature: -40°C - +105°C
- Contact material: Brass or phosphor bronze
- Insulator material: Nylon, UL 94V-0 (Nylon-46)



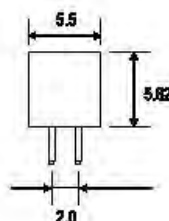
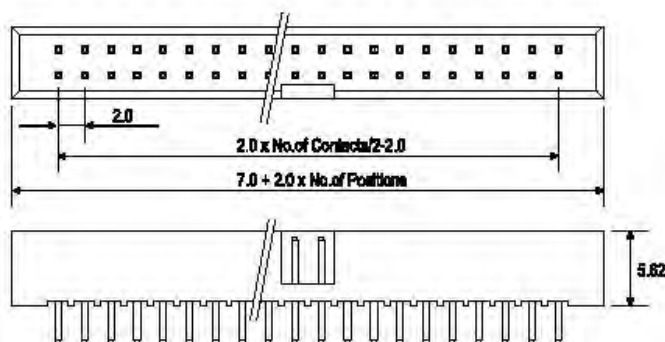
Straight



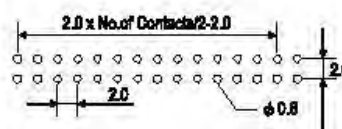
Recommended P.C.B. Layout Bottom View



Right Angle



Recommended P.C.B. Layout Bottom View



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Plating
BH2	10-68	S: Straight R: Right Angle	G:Gold S: Selective gold G1:Gold 5 μ *G can be omitted

BH3 SERIES

Box Header (1.27mm)

D

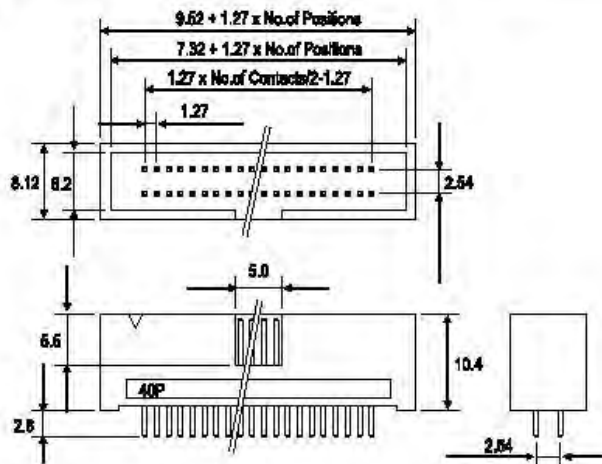
APPLICATION AND FEATURES

Specification

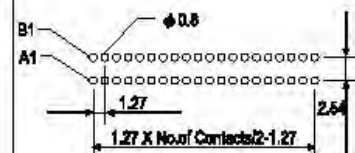
- Contact resistance: 30Ω max. At DC 100mA
- Insulator resistance: $1000m\Omega$ min. At DC 250V
- Current rating: 0.5 Amp
- Voltage: AC 300V for 1 minute
- Operating Temperature: -55°C - $+105^{\circ}\text{C}$
- Contact: Brass
- Housing: PBT & 30% glass fiber (UL94V-0)



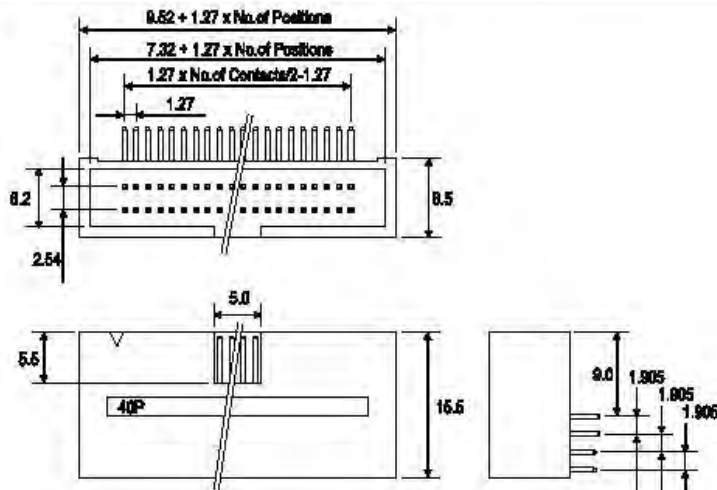
Straight



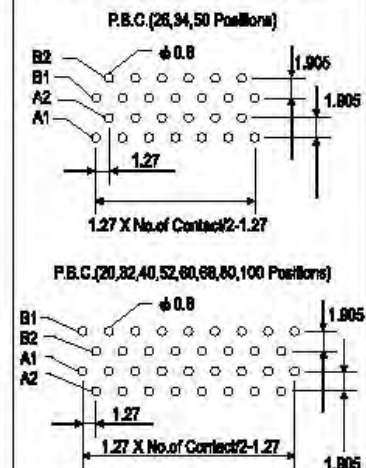
Recommended P.C.B. Layout



Right Angle



Recommended P.C.B. Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Plating
BH3	20-100	S: Straight R: Right Angle	G: Gold S: Selective gold G1: Gold 5 μ *S can be omitted

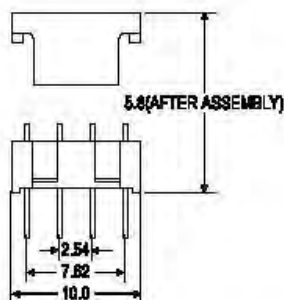
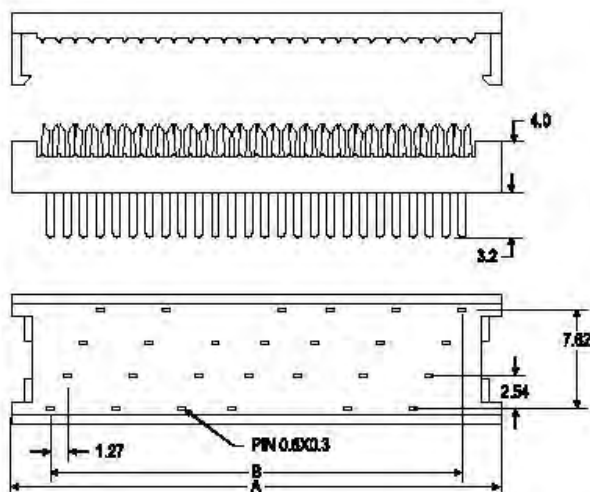
HIDP SERIES

Dip Plug Connector For Flat Ribbon Cable (1.27mm)

D

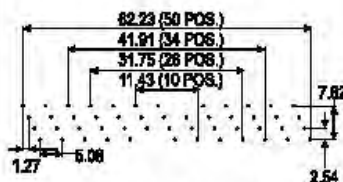
APPLICATION AND FEATURES

- For 0.05" (1.27mm) center flat ribbon cable.
- A low cost solution to a P.C. board so only one connection is required.
- Low-profile for saving space (5.8mm After Assembly).
- Is permanently soldered into P.C. board with "header" foot.
- Current rating: 3 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{ }^{\circ}\text{C}$
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0

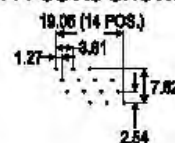


No. of Pin	A	B	No. of Pin	A	B
10	17.50	11.43	34	47.98	41.91
14	22.58	16.51	40	55.60	49.53
16	26.12	19.05	60	68.90	62.28
20	30.20	24.13	80	81.00	74.98
28	37.82	31.75			

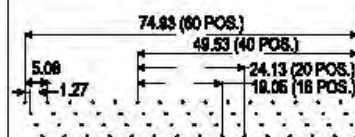
Hole Pattern for the 10, 26, 34, 50 Position Connectors.



14 POS AS SHOWN



Hole Pattern for the 16, 20, 40, 60 Position Connectors.



ORDERING INFORMATION

Unit:mm

Series

No of Contact

Plating

HIDP

10-60

T: Tin
G: Gold
S: Selective gold
*T can be omitted



IDB SERIES

IDC Box Header (2.54mm)

D

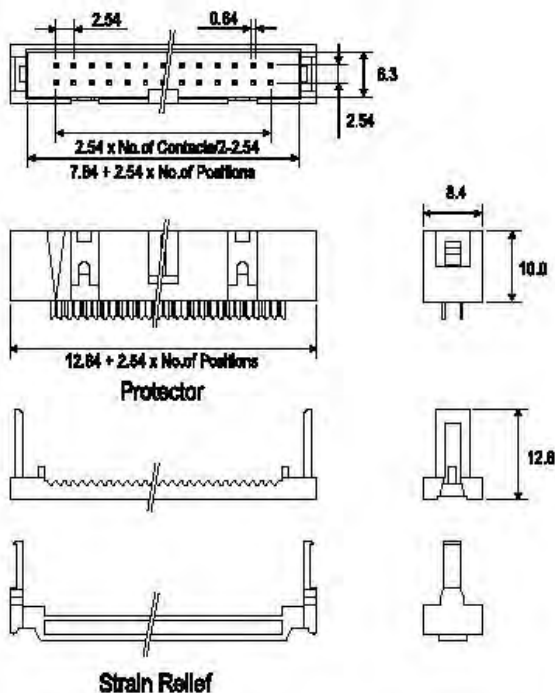
APPLICATION AND FEATURES

Specification

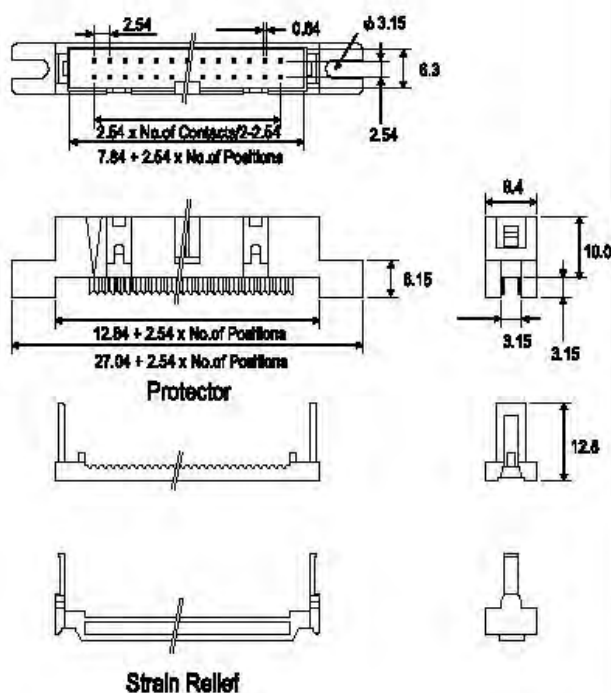
- Contact resistance: 30m ohm max.
- Insulator resistance: 1000m ohm min. At DC 500V
- Current rating: 1 Amp
- Dielectric withstanding voltage: 500V AC for 1 minute
- Operating temperature: -55°C to +105°C
- Contact material: Brass
- Insulator material: PBT & 30% glass fiber UL94V-0



w/o Ear



with Ear



ORDERING INFORMATION

Unit:mm

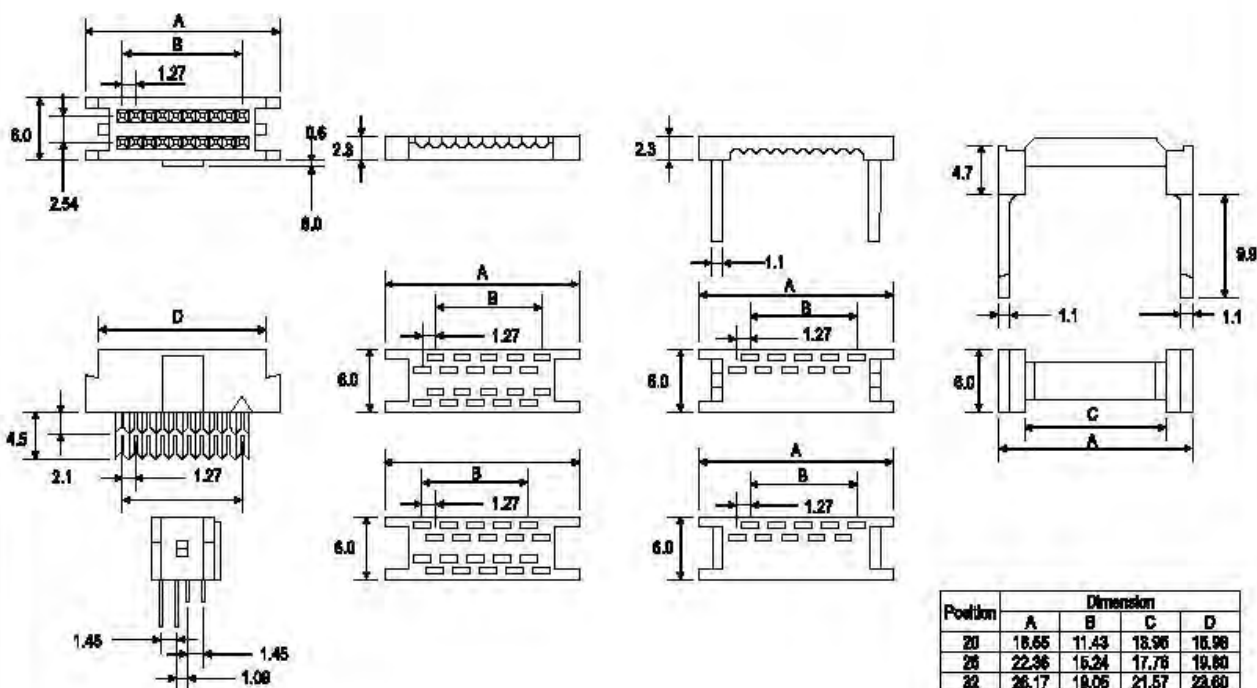
Series	No of Contact	Type	Plating
IDB	10-64	N: w/o ear R: with ear	T: Tin G: Gold S: Selective gold *S can be omitted



APPLICATION AND FEATURES

Specification

- Contact resistance: 30mΩ max. At DC 100mA
- Insulator resistance: 1000mΩ min. At DC 500V
- Current rating: 0.5 Amp
- Voltage: 300V AC for 1 minute
- Operating temperature: -55°C to +105°C
- Contact: Phosphor bronze
- Housing: PBT & 30% glass fiber (UL94V-0)



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Pitch	Contact	Plating
IDC	3: 20-100	N: w/o strain relief S: with strain relief	3: 1.27mm	1: phosphor bronze 2: brass	S: Selective Gold G: Gold G1: Gold 5μ *S can be omitted

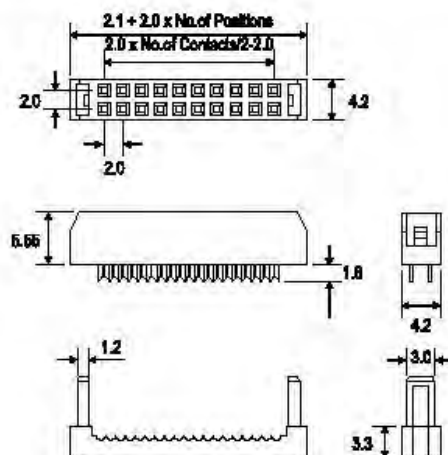
APPLICATION AND FEATURES

Specification

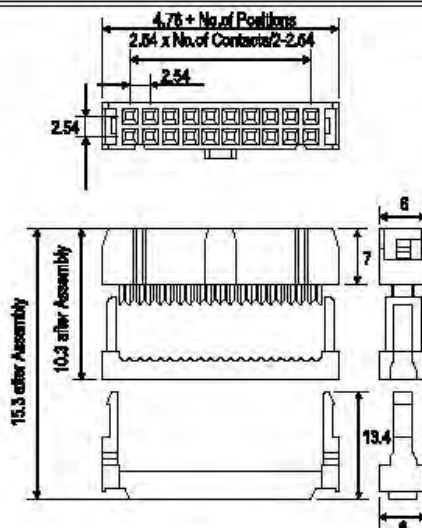
- Contact: Phosphor or brass
- Insulator: PBT+30% glass fiber (UL94V-0)
- Color: Black
- Contact plated: Gold over nickel
- Circuit size: 4P to 68P
- Current rating: 1 Amp
- Operating temperature: -55°C to +105°C
- Voltage: 500 Volts rms 60 HZ at sea level on min contact spacing
- Insulation resistance: 1000 megohms



2.0mm



2.54mm



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Pitch	Contact	Plating
IDC	1: 4-68 2: 10-68	N: w/o strain relief S: with strain relief	1: 2.54mm 2: 2.0mm	1: phosphor bronze 2: brass	S: Selective Gold G: Gold G1: Gold 5 μ *S can be omitted

IDP1 SERIES

Dip Plug Connector (2.54mm)

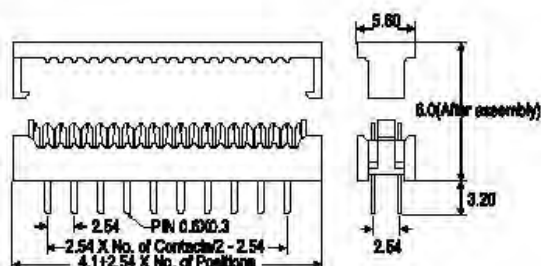
D

APPLICATION AND FEATURES

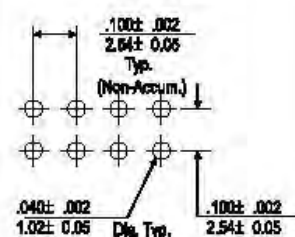
- A low cost solution to attaching a ribbon to a P.C. board (Replaces as socket/header combination)
- Low-profile for saving space.
- Available with straight dip solder tails
- Is permanently soldered into P.C. board with "header" foot.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



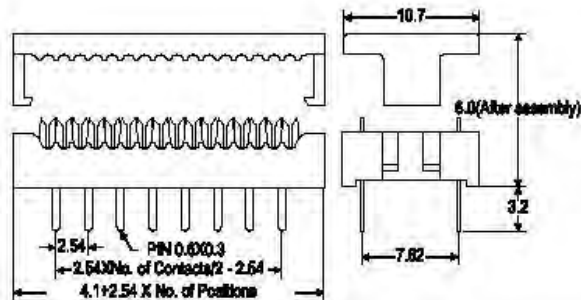
N Type



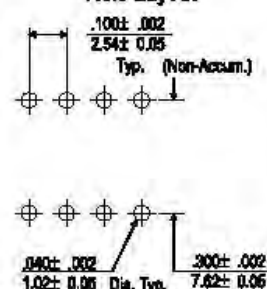
Recommended P.C.Board Hole Layout



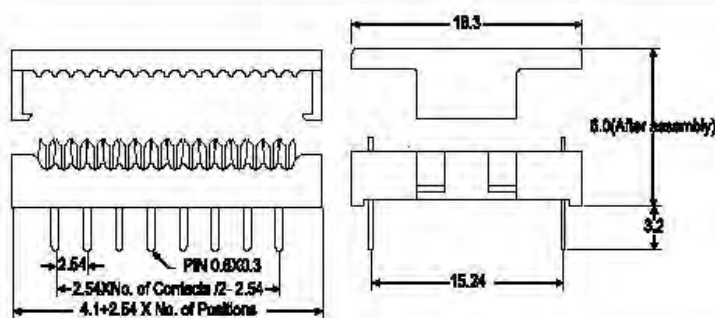
M Type



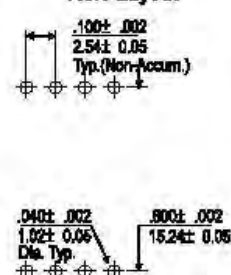
Recommended P.C.Board Hole Layout



W Type



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Contact	Plating
IDP1	N:08-64 M:08-20 W:24-40	N:0.1" x 0.1" M:0.1" x 0.3" W:0.1" x 0.6"	1:Phosphor Bronze 2:Brass	T:Tin G:Gold Flash S:Selective *T can be omitted



IDP3 & IDP2 SERIES

Dip Plug Connector For Cable (V-1.27mm&2.0mm)

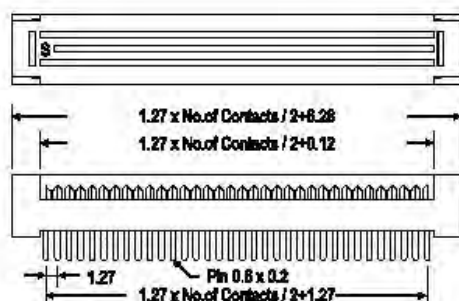


APPLICATION AND FEATURES

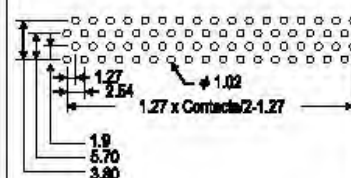
- For 0.025"(0.635mm) center flat ribbon cable.
- A low cost solution a P.C. board as only one connection is required.
- Low-profile for saving space.
- Is permanently soldered into P.C. board with "header" foot.
- Current rating: 1 Amps
- Insulator resistance: 5000 Megohms min.
- Contact resistance: 20m ohm Max.
- Dielectric withstanding: AC 500V
- Operating temperature: $-40^{\circ} - +105^{\circ} \text{C}$
- Contact material: Phosphor bronze
- Insulator material: Polyester, UL 94V-0



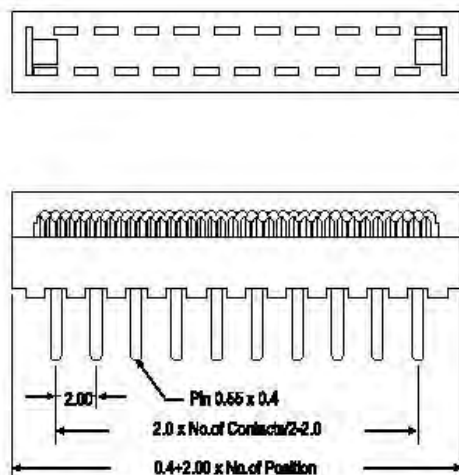
1.27mm Pitch



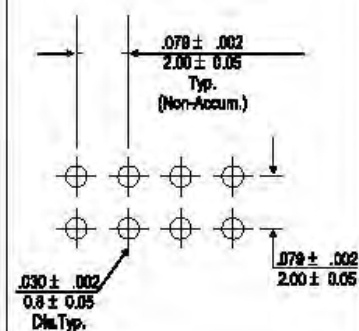
Recommended P.C.Board Hole Layout



2.00mm Pitch



Recommended P.C.Board Hole Layout



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Plating
IDP2:(2.0mm) IDP3:(1.27mm)	10-50(2.0mm) 68(1.27mm)	T: Tin G: Gold S: Selective gold *T can be omitted



IDS SERIES

IDC Shrouded Header (2.54mm)

D

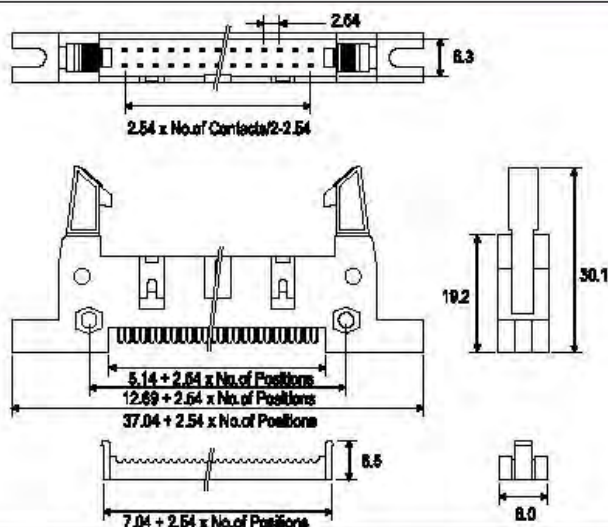
APPLICATION AND FEATURES

Specification

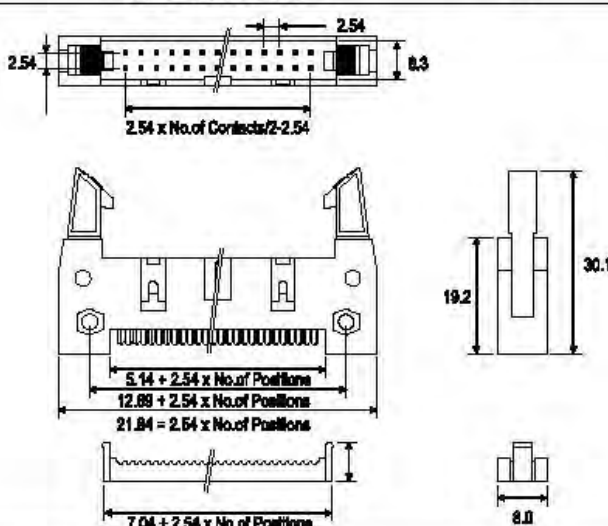
- Contact resistance: 30m ohm max.
- Insulator resistance: 1000m ohm min. At DC 500V
- Current rating: 1 Amp
- Dielectric withstanding voltage: 500V AC for 1 minute
- Operating temperature: -55°C to +105°C
- Contact material: Brass
- Insulator material: PBT & 30% glass fiber UL94V-0



with Ear



w/o Ear



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Housing	Plating
IDS	10-64	N: w/o ear R: with ear	1: with long ejector 2: with short ejector 3: w/o ejector	T: Tin G: Gold S: Selective gold *S can be omitted



SBH SERIES

SMD Box Header (2.00mm & 2.54mm)

D

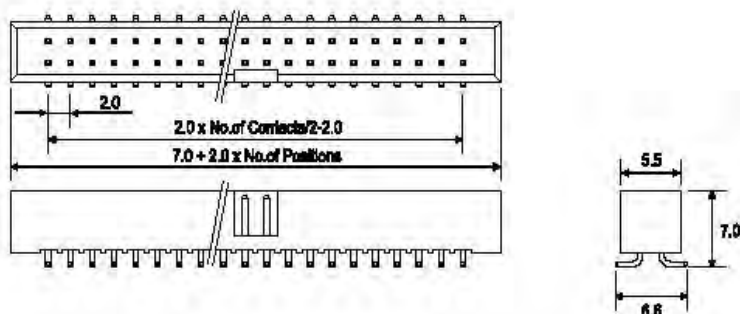
APPLICATION AND FEATURES

Specification

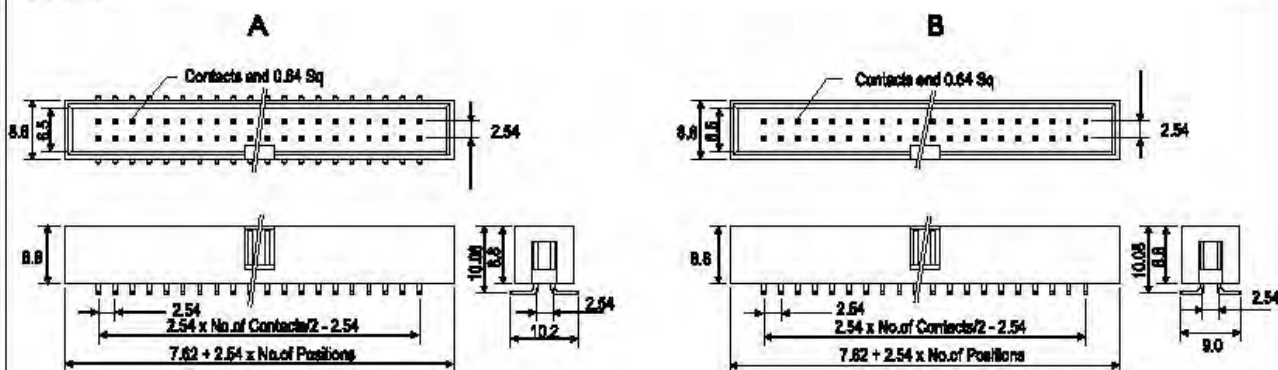
- Current rating: 3 Amps
- Operating temperature: -40°C to 105°C
- Insulation resistance: 50,000 megohms min.
- Dielectric withstanding: AC 500V
- Contact material: Brass or phosphor bronze
- Insulator material: Polyester, UL94V-0
 - Standard: P.B.T.
- Plating: Gold plated



2.0mm



2.54mm



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Pitch	Plating
SBH	10-64	1: 2.54mm 2: 2.00mm	G: Gold S: Selective gold G1: Gold 5 μ *G can be omitted



SLH1 SERIES

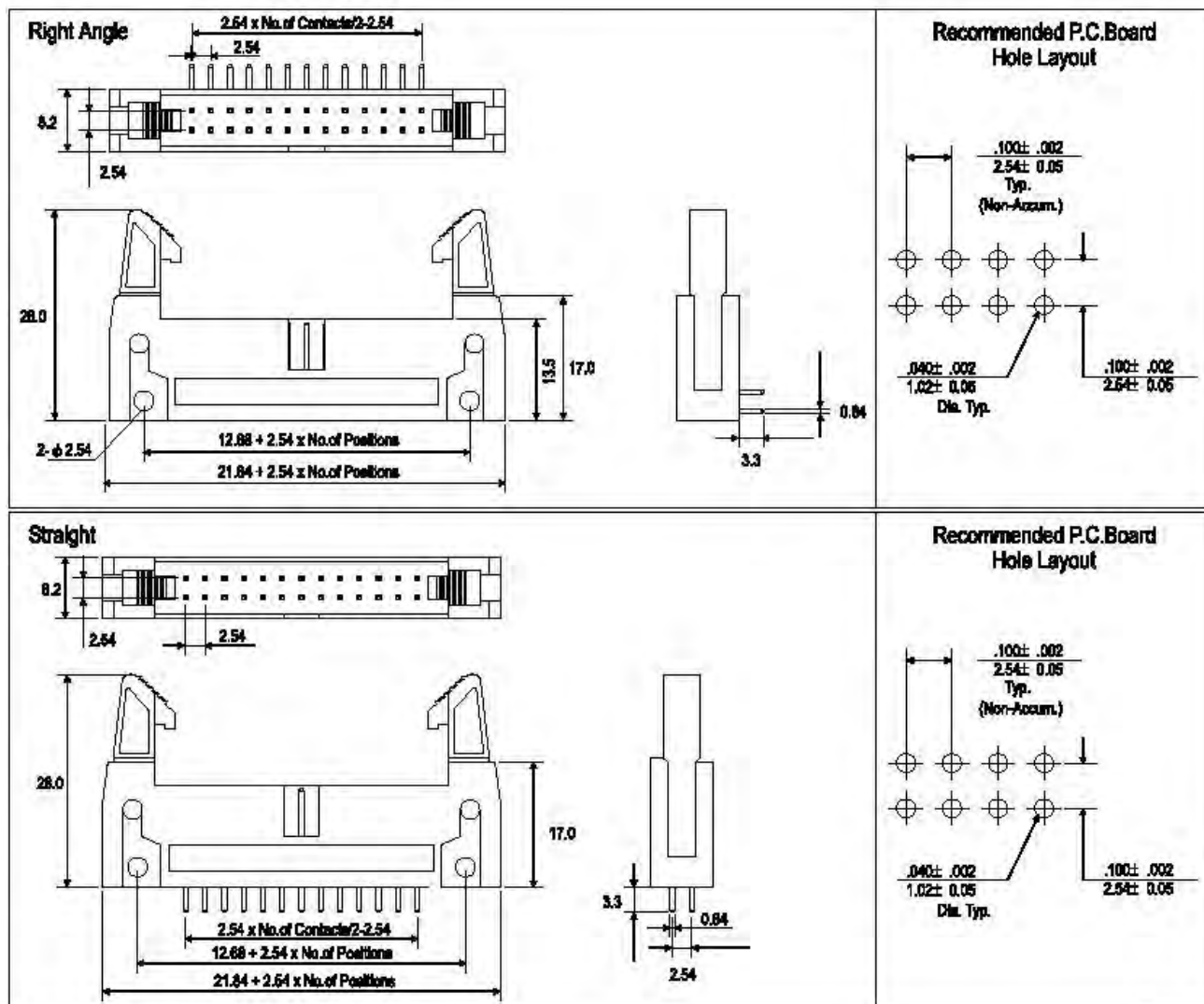
Shrouded Latch Header (2.54mm)

D

APPLICATION AND FEATURES

Specification

- Current resistance: 30mΩ max. At DC 100
- Insulator resistance: 1000mΩ min. At DC 500V
- Current rating: 1 Amp
- Dielectric strength: 500V AC for 1 minute
- Voltage rating: 250V AC
- Operating temperature: -55°C to +105°C
- Contact: Brass
- Housing: PBT & 30% glass fiber (UL94V-0)



Unit:mm

ORDERING INFORMATION

Series	No of Contact	Type	Housing	Plating
SLH1	10-64	S: Straight R: Right Angle	1: with long ejector 2: with short ejector 3: w/o ejector	G: Gold S: Selective gold G1: Gold 5 μ *G can be omitted



SLH2 SERIES

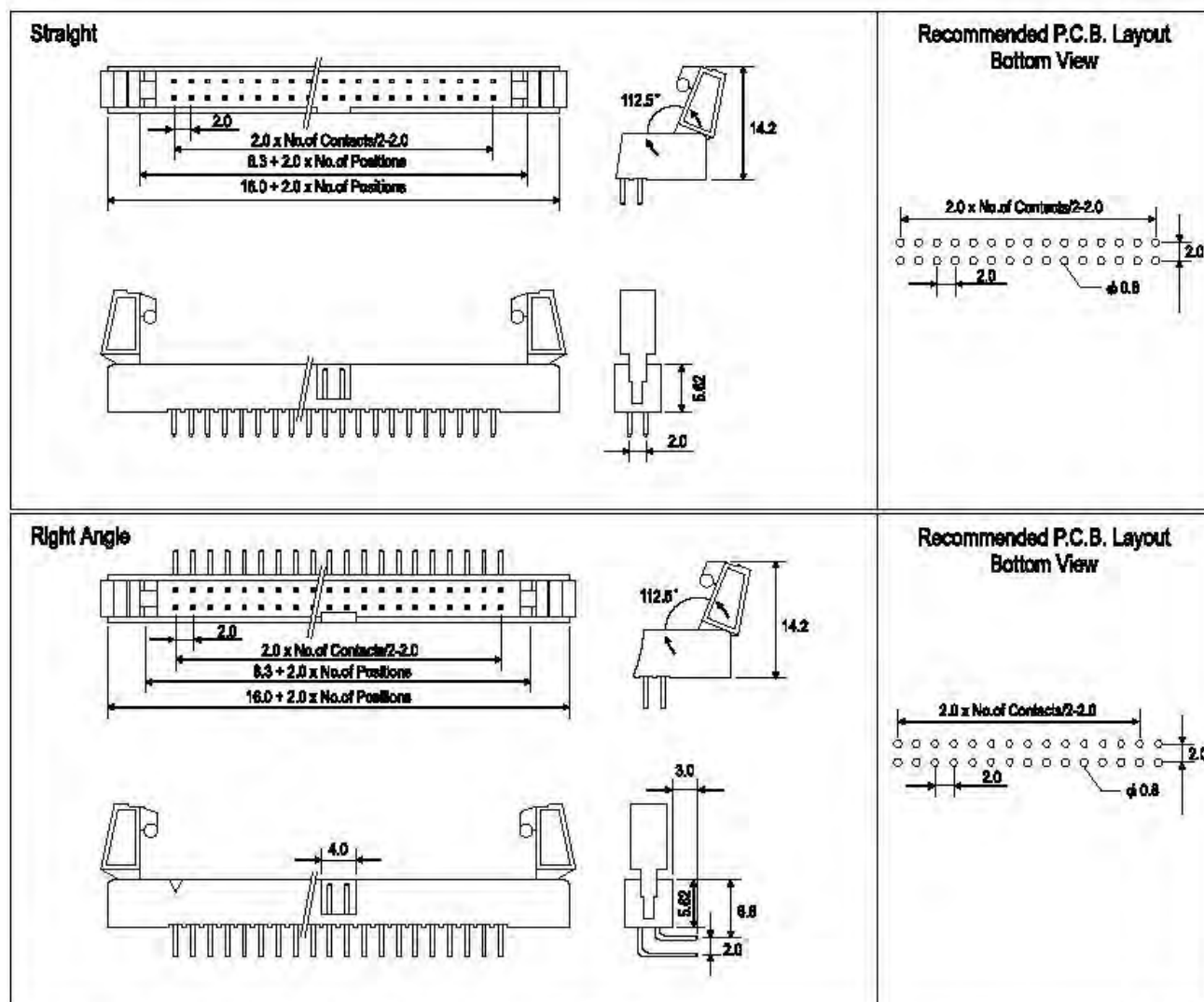
Shrouded Latch Header (2.00mm)



APPLICATION AND FEATURES

Specification

- Housing: Nylon 6T (UL94V-0), black
- Terminal: S.Q. 0.50mm brass. Gold plating
- Current rating: 1 Amp.max.
- Dielectric withstanding voltage: 800V AC R.M.S. For one minute
- Insulation resistance: 5000M ohms min. At 500V DC
- Operating temperature: -55°C to +105°C



ORDERING INFORMATION

Unit:mm

Series	No of Contact	Type	Housing	Plating
SLH2	10-64	S: Straight R: Right Angle	1: with ejector 2: w/o ejector	G:Gold S: Selective gold G1:Gold 5 μ *Gcan be omitted

D

WS-1001 SERIES

D

Disconnectable Connectors (2.50mm)

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, Dc, 250V
- Current rating: 3A, AC DC
- Withstand voltage: 1000V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: .063" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon 66 UL94V-0 OR 94V-2

Wafer

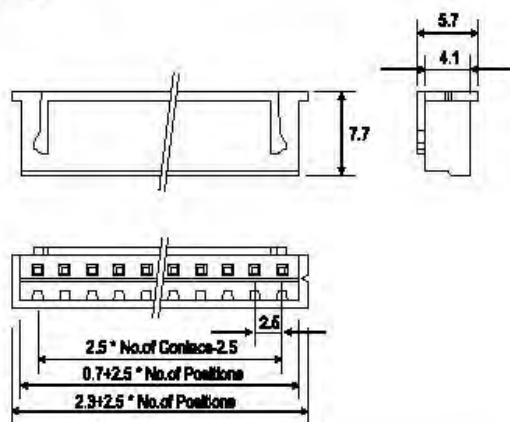
- Material: Pin: Brass Tin/plated
Base: Nylon 66, UL 94V-0 Natural

Terminal

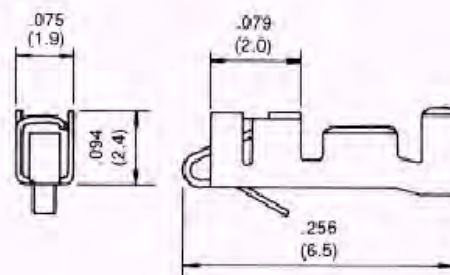
- Applicable wires: AWG #22-30
- Material: Phos bronze / Brass
- Finish: Tin/plated 40 μ min.



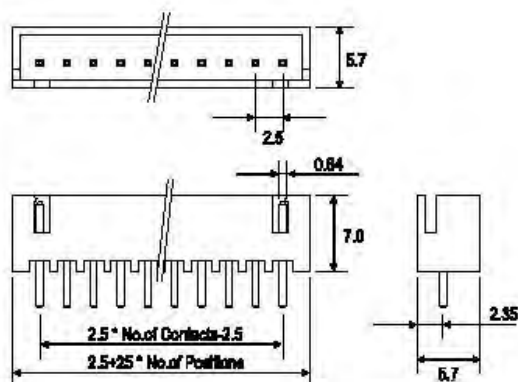
Housing



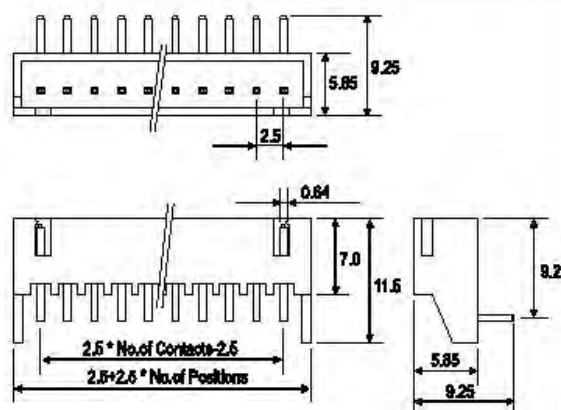
Terminal



Straight Wafer



R/A Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1001	S: Straight Wafer R: Right Angle Wafer H: Housing T: Terminal	2-20	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-1103 SERIES

Disconnectable Connectors (5.00mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, DC
- Current rating: 7A
- Withstand voltage: 1500V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -85°C ~ +105°C
- Applicable PC board thickness: 0.63" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

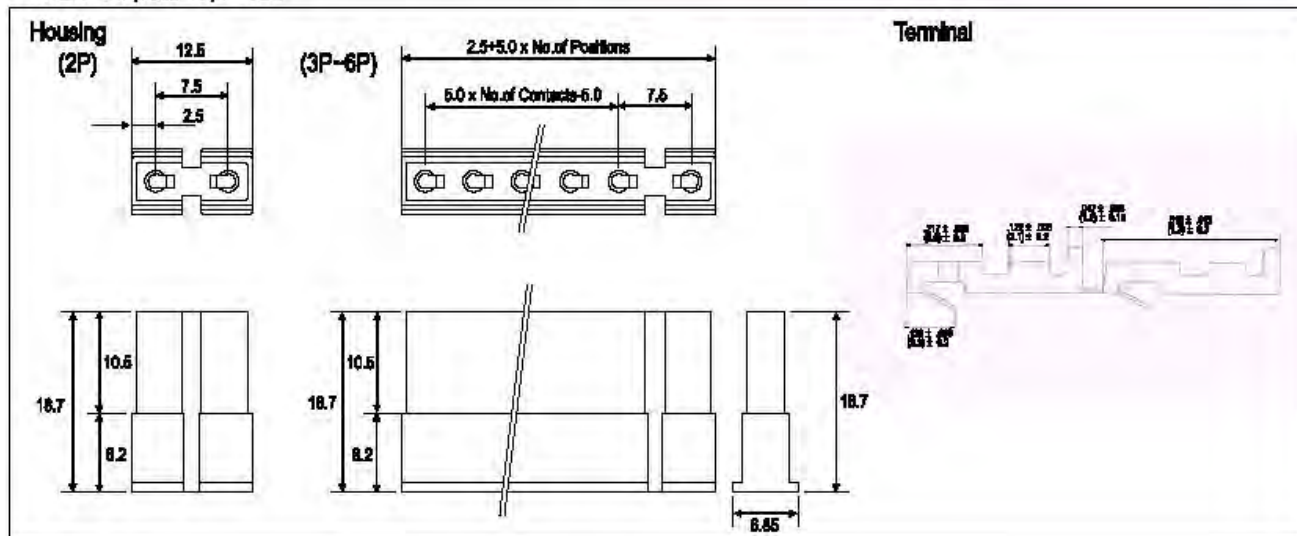
- Nylon 66, UL 94V-0

Wafer

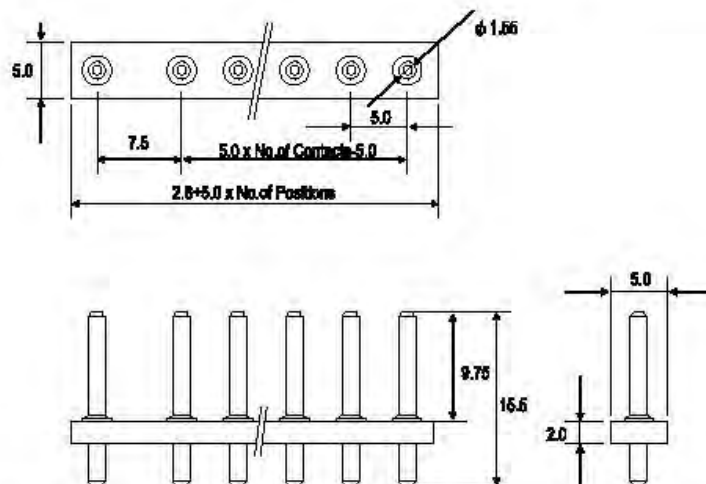
- Material: Pin Brass Tin/plated
Base: Nylon 66, 94V-0
Phenolic bakelite Glass Fiber

Terminal

- Applicable wires: AWG #18-22
- Material: Brass
- Finish: Tin/plate 40 μ min.



Straight Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1103	S: Straight Wafer H: Housing T: Terminal	1-6	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted

WS-1114 SERIES

Disk Drive Power Connectors (5.08mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, DC
- Current rating: 7A, AC, DC
- Withstand voltage: 1500V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: .063" (1.66mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

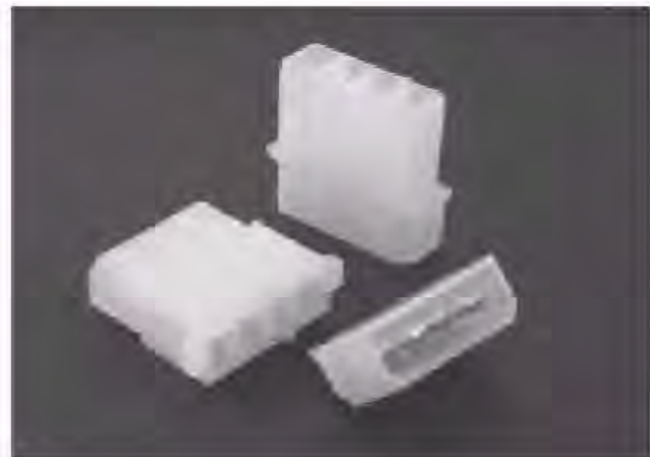
- Nylon 66, UL 94V-2

Wafer

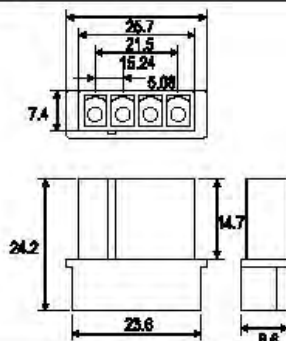
- Material: Post Brass Tin/plated
- Base: Nylon 66, UL 94V-2

Terminal

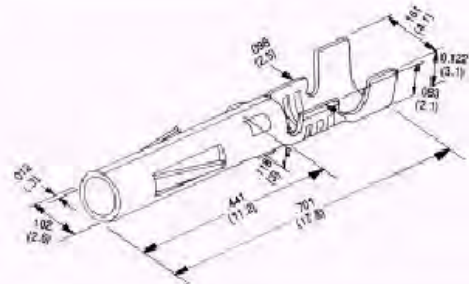
- Applicable wires: AWG #18-24
- Material: Brass
- Finish: Tin/plate 40 μ min.



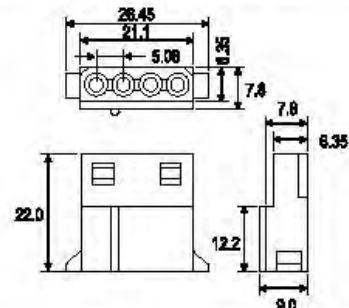
H1



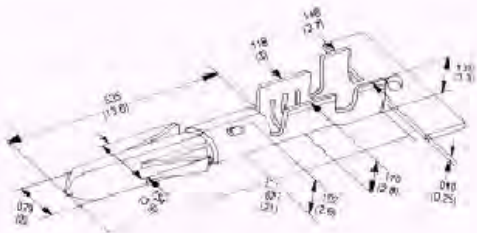
T1



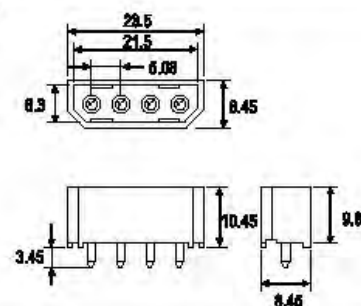
H2



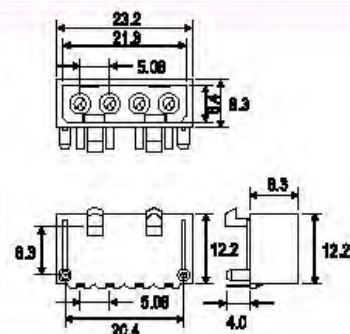
T2



Straight Wafer



R/A Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1114	S: Straight Wafer R: Right Angle Wafer H1: Housing H1 H2: Housing H2 T1: Terminal T1 T2: Terminal T2	4	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-1116 SERIES

Disk Drive Power Connectors (2.50mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, DC
- Current rating: 3A, AC DC
- Withstand voltage: 1000V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: .063(1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon 66, 94V-0 OR 94V-2

Wafer

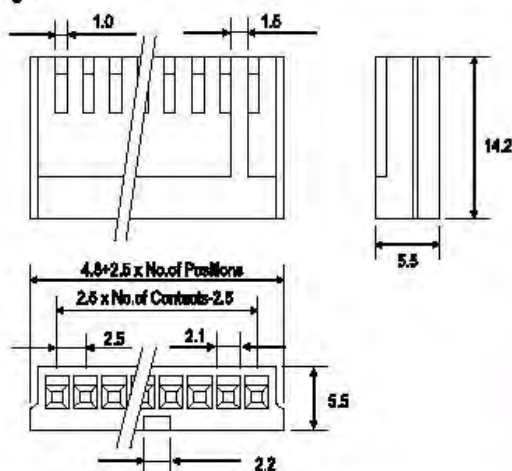
- Material: Post: Brass Tin/plated
Base Nylon 66, 94V-0 Natural

Terminal

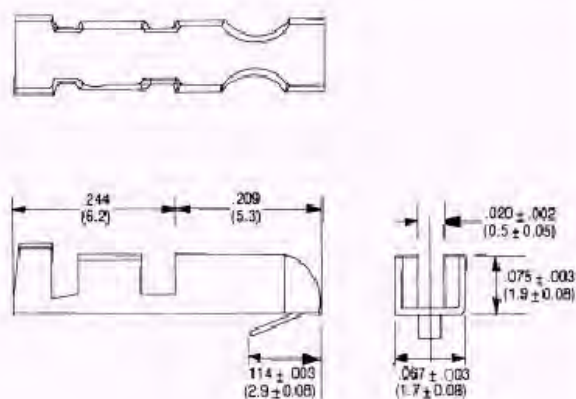
- Applicable wires: AWG # 18-22
- Material: Phos bronze/Brass
- Finish: Tin/plated 40 μ min.



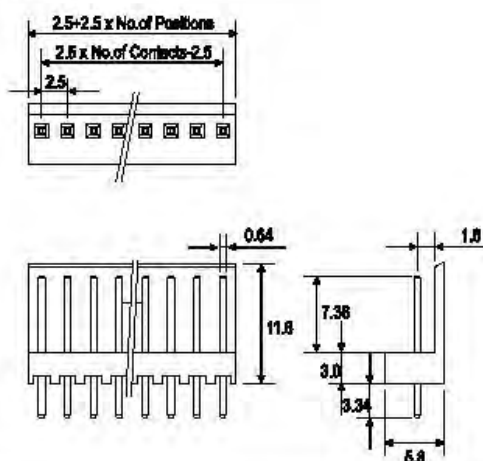
Housing



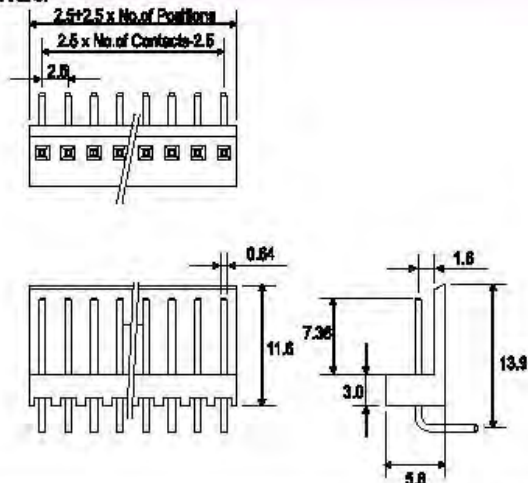
Terminal



Straight Wafer



R/A Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1116	S: Straight Wafer R: Right Angle Wafer H: Housing T: Terminal	2-12	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-1120 SERIES

Disconnectable Connectors (3.96mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, DC
- Current rating: 7A, AC DC
- Withstand voltage: 1500V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25 $^{\circ}$ C ~ +85 $^{\circ}$ C
- Applicable PC board thickness: .063" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon 66, UL 94V-2

Wafer

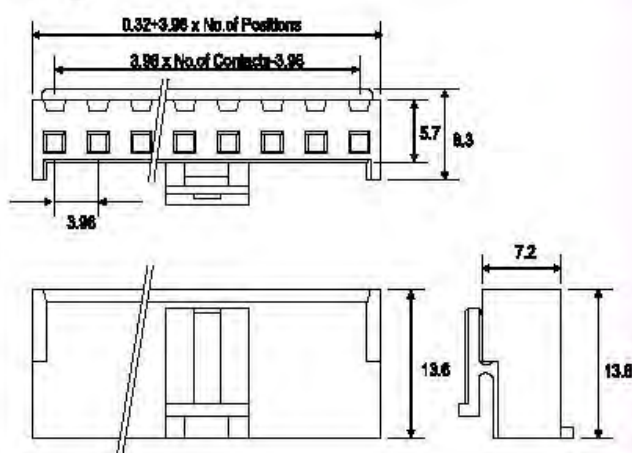
- Material: Post: Brass Tin/plated
Base: Nylon 66, 94V-0

Terminal

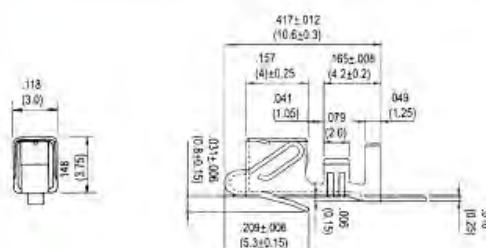
- Applicable wires: AWG #22-18
- Material: Brass
- Finish: Tin/plate 40 μ min.



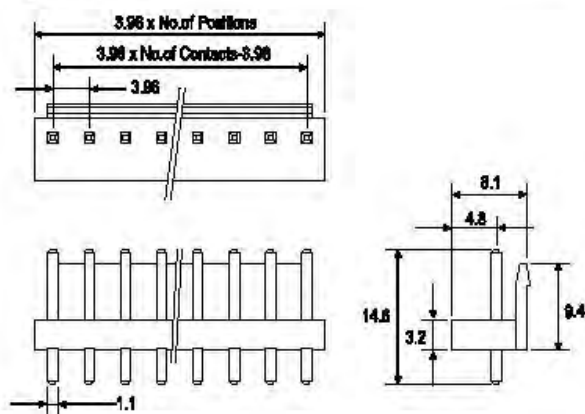
Housing



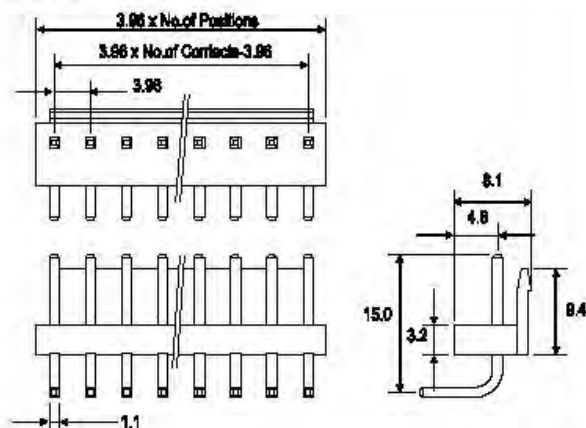
Terminal



Straight Wafer



R/A Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1120	S: Straight Wafer R: Right Angle Wafer H: Housing T: Terminal	2-12	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-1122 SERIES

Disconnectable Connectors (2.36mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, DC, 250V
- Current rating: 7A, AC DC
- Withstand voltage: 1500V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: .063" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

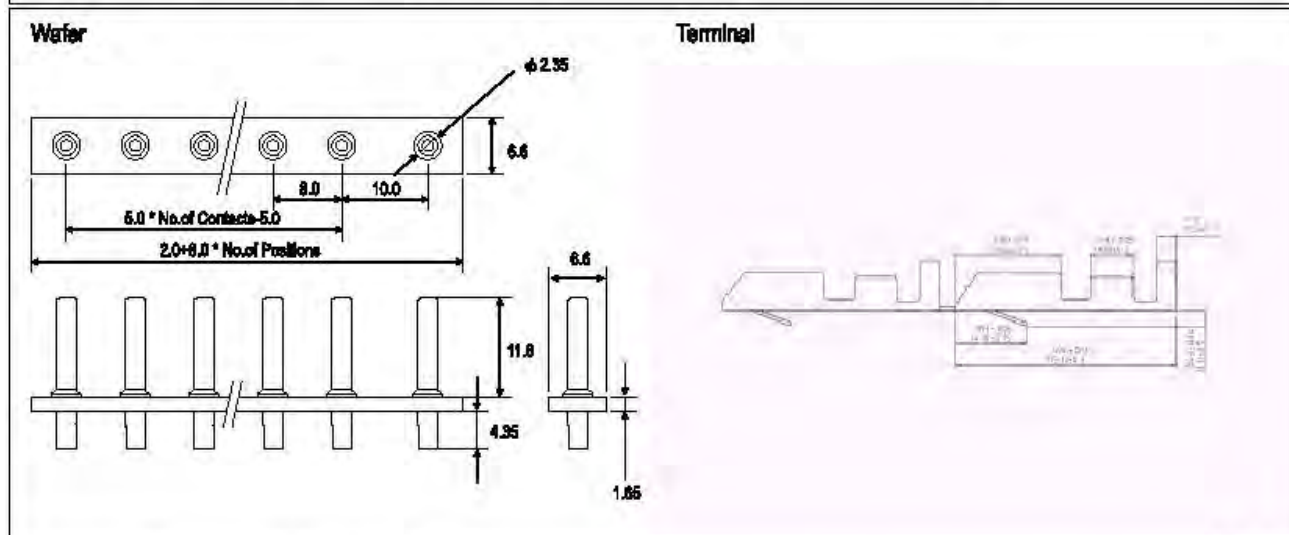
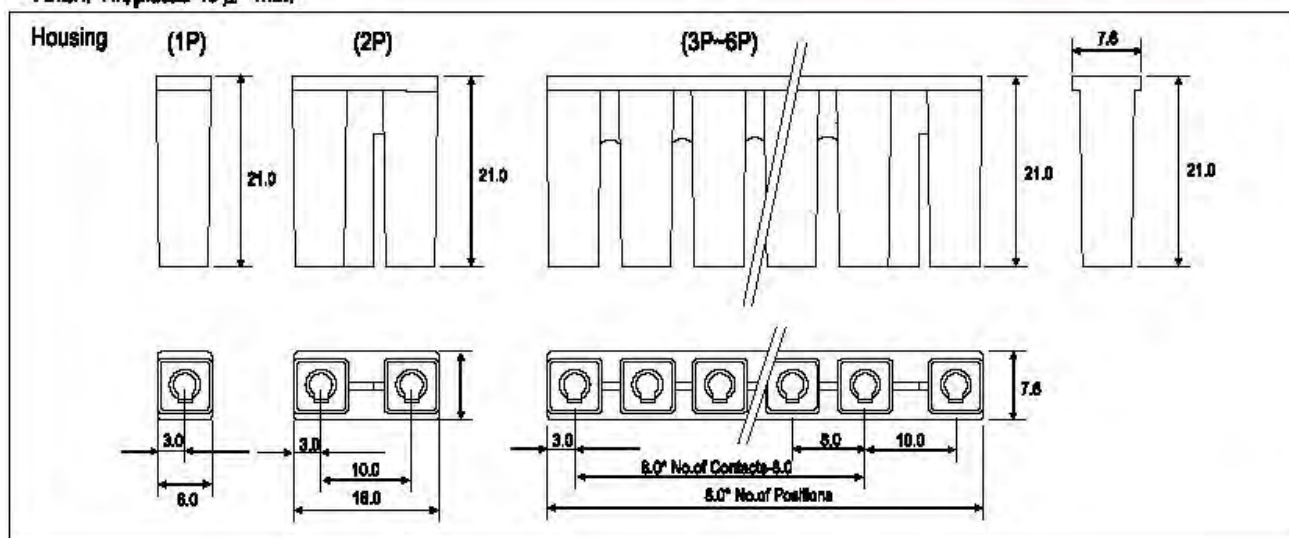
- Nylon 66 UL94V-0 OR 94V-2

Wafer

- Material: Pin: Brass Tin/plated
Bass: Nylon 66, UL 94V-0
Phenolic bakelite

Terminal

- Applicable wires: AWG #18-26
- Material: Brass
- Finish: Tin/plated 40 μ min.



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1122	S: Straight Wafer H: Housing T: Terminal	1-6	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted

WS-1125 SERIES

Disconnectable Connectors (2.00mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, Dc, 250V
- Current rating: 2A, AC DC
- Withstand voltage: 800V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: .031" ~ .063" (0.8 ~ 1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

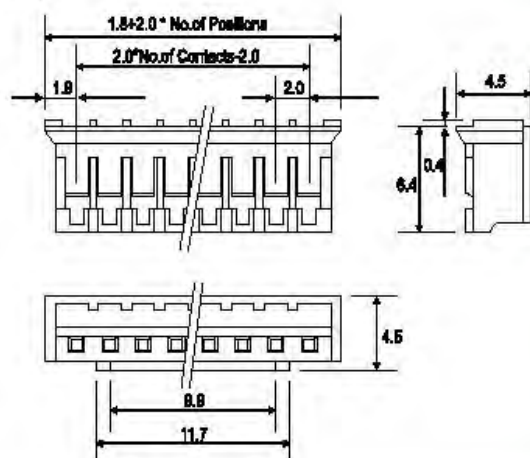
- Nylon 66, UL 94V-0 Natural
- Material: Post: Brass Tin/plated
Base: Nylon 66, UL 94V-0

Terminal

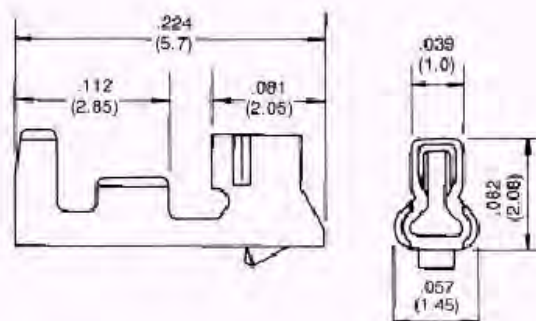
- Applicable wires: AWG #22-28
- Material: Phos. Bronze
- Finish: Tin/plated 40 μ min.



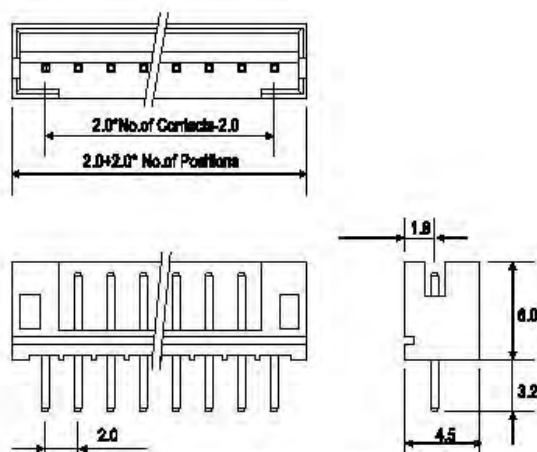
Housing



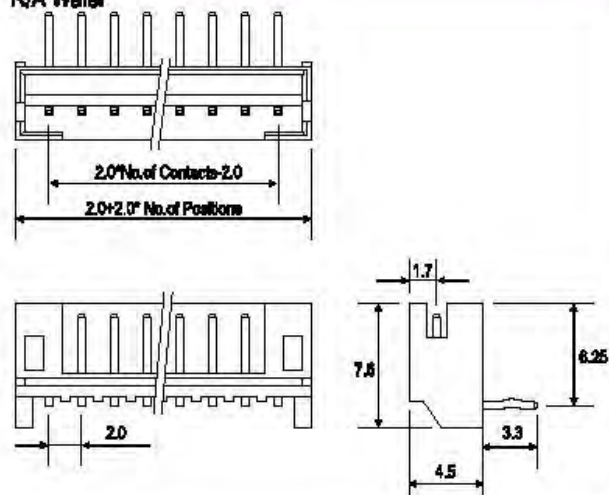
Terminal



Straight Wafer



R/A Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1125	S: Straight Wafer R: Right Angle Wafer H: Housing T: Terminal	2-16	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-1126 SERIES

D

Mini-crimp & Board-in Connectors (2.00mm)

APPLICATION AND FEATURES

Specification

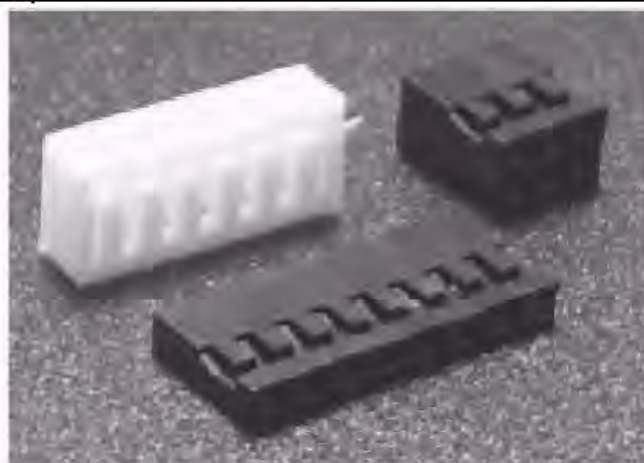
- Voltage rating: AC, Dc, 250V
- Current rating: 2A, AC DC
- Withstand voltage: 650V AC/minute(PBT)
- Withstand voltage: 800V AC/minute(Nylon)
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: .031" ~ .063"(0.8 ~ 1.6mm)
- Applicable wire AWG #30 to #24
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- PBT / Nylon 66

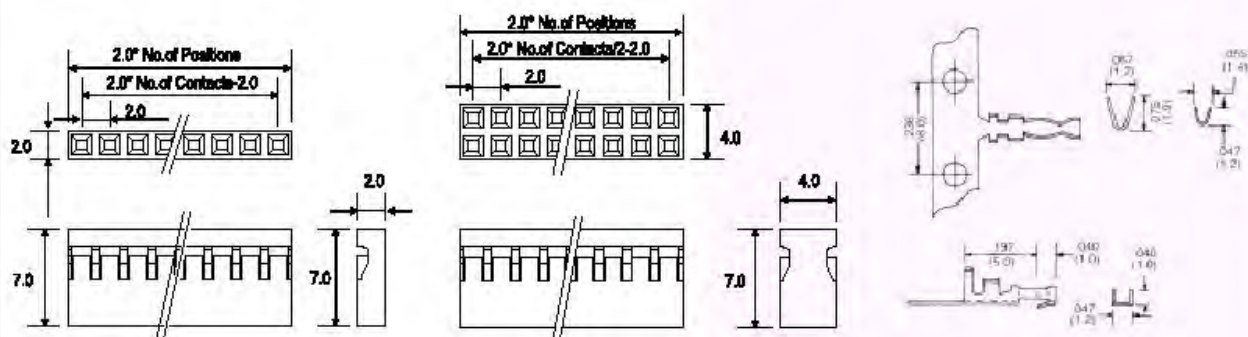
Terminal

- Material: Brass/Phos Bronze
- Finish: Tin/plated 40 μ " min.



Housing

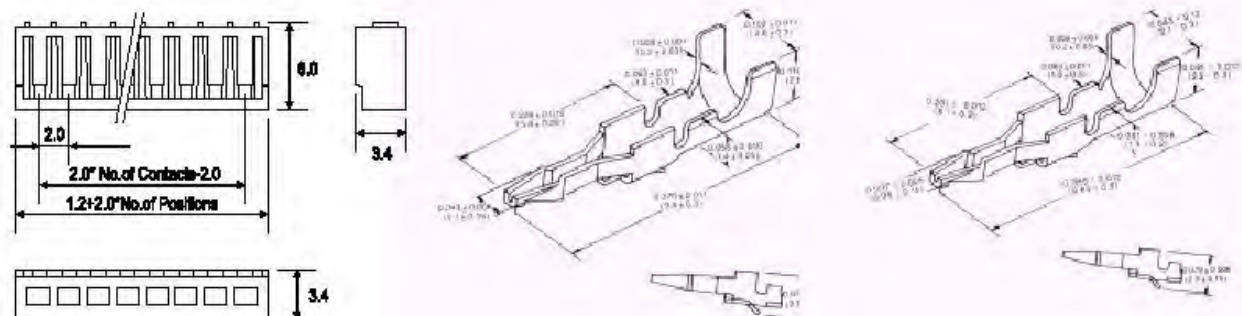
T1



Board-in Housing

T2

T3



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1126	S:Single (PBT crimp) D: Dual (PBT crimp) H: Board-in Housing (Nylon 66) T1,T2,T3: Terminal	Single: 02-20 Dual: 04-40 Housing: 2-15	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted

WS-1129 SERIES

Center Connectors (2.50mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, Dc, 350V
- Current rating: 2A, AC DC
- Withstand voltage: 1000V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: .063" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon UL94V-2 + 5% GLF

Wafer

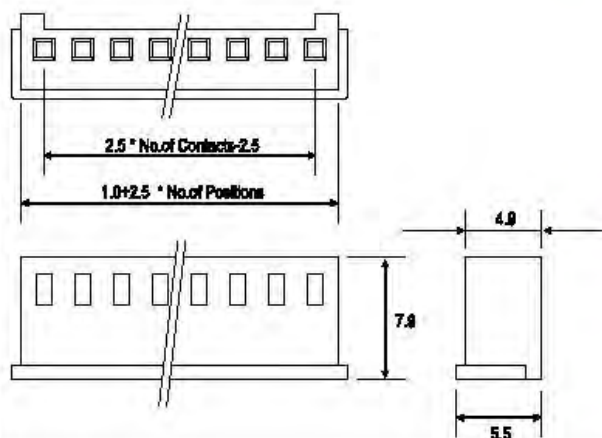
- Material: Pin: Brass Tin/plated
Base: Nylon UL 94V-2 + 5% GLF

Terminal

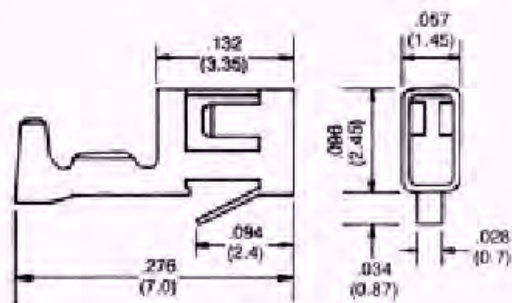
- Applicable wires: AWG #22-28
- Material: Phos bronze/Brass
- Finish: Tin/plated 40 μ min.



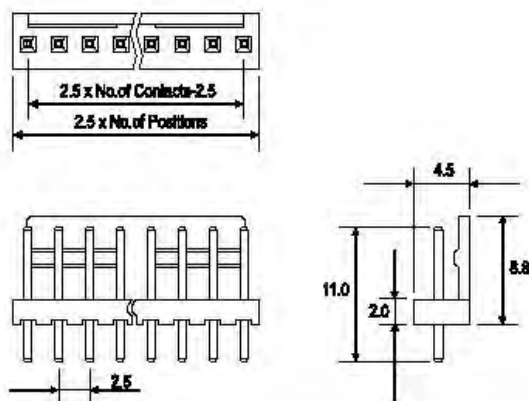
Housing



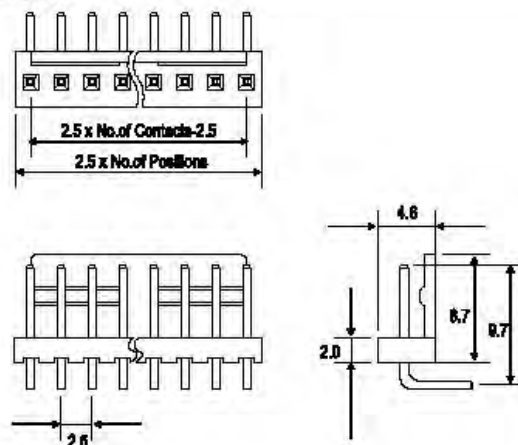
Terminal



Straight Wafer



R/A Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1129	S: Straight Wafer R: Right Angle Wafer H: Housing T: Terminal	2-20	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-1132 SERIES

Disconnectable Connectors (2.50mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, Dc, 250V
- Current rating: 3A, AC DC
- Withstand voltage: 800V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: .031" to .063" (0.3 to 1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon 66 UL94V-0

Wafer

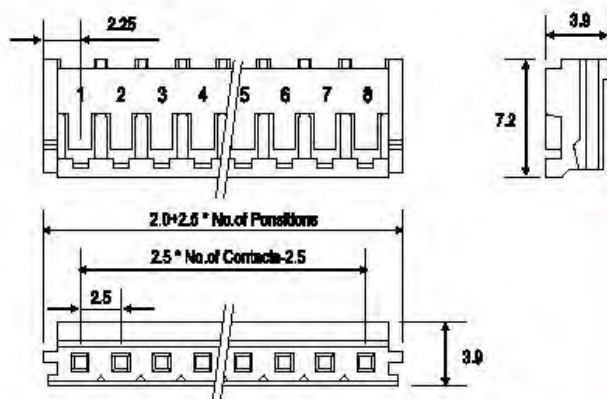
- Material: Pin: Brass Tin/plated
Base: Nylon 66, UL 94V-0 Natural

Terminal

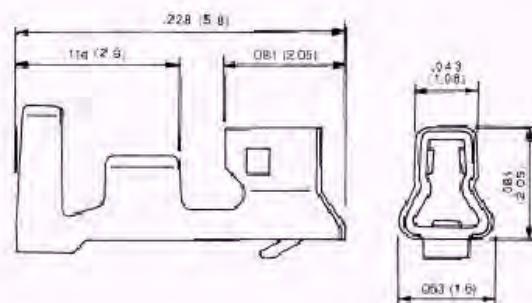
- Applicable wires: AWG #22-30
- Material: Phos bronze/Brass
- Finish: Tin/plated 40 μ " min.



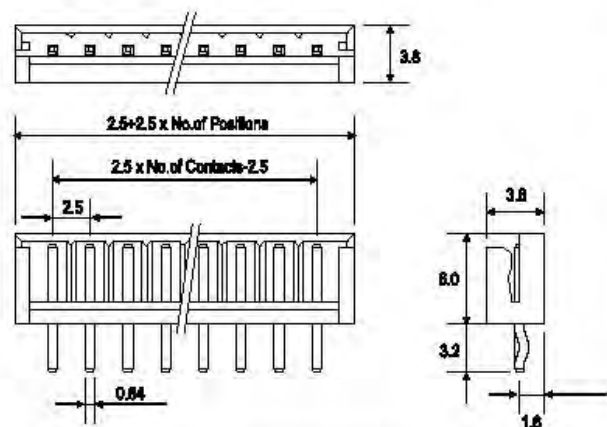
Housing



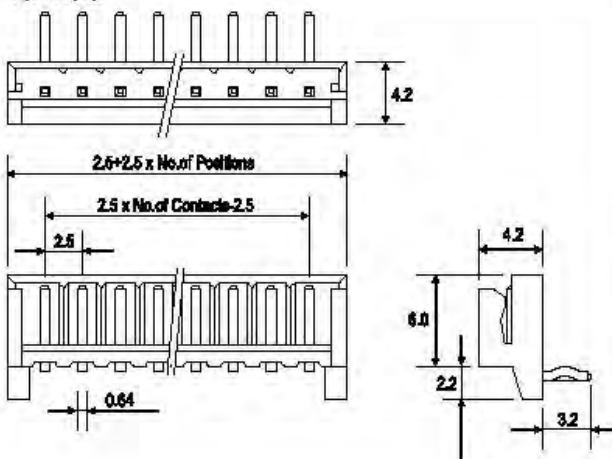
Terminal



Straight Wafer



R/A Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1132	S: Straight Wafer R: Right Angle Wafer H: Housing T: Terminal	2-15	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-1135 SERIES

Disconnectable Connectors (2.50mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, Dc, 250V
- Current rating: 3A, AC DC
- Withstand voltage: 800V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25 $^{\circ}$ C ~ +85 $^{\circ}$ C
- Applicable PC board thickness: .031" to .063" (0.3 to 1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon 66 UL94V-2

Wafer

- Material: Pin: Brass Tin/plated
Base: Nylon 66, UL 94V-2 Natural

Terminal

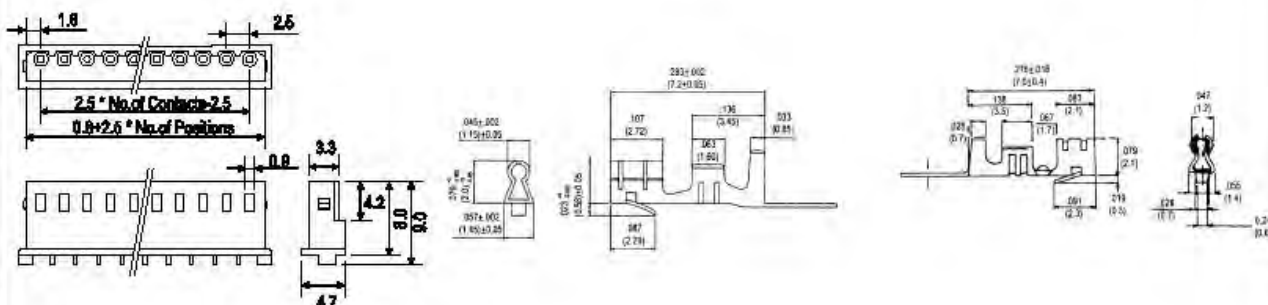
- Applicable wires: AWG #22-30
- Material: Phos bronze/Brass
- Finish: Tin/plated 40 μ min.



Housing

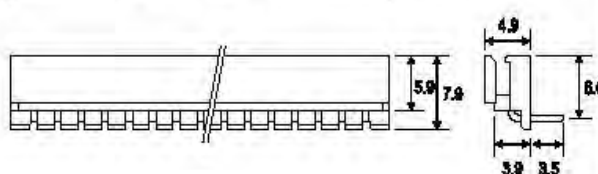
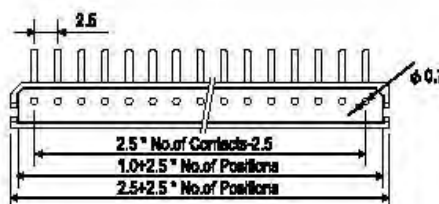
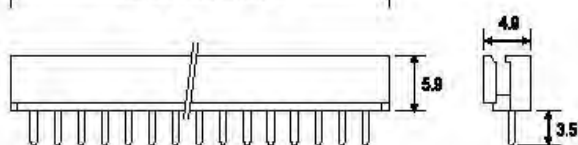
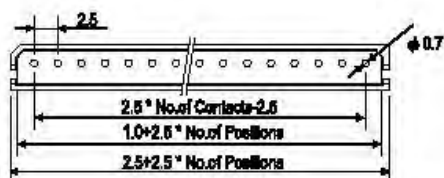
T1

T2



Straight Wafer

R/A Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1135	S: Straight Wafer R: Right Angle Wafer H: Housing T1, T2: Terminal	2-15	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted

D

APPLICATION AND FEATURES

- Finish: Tin/plated 40 μ min.



WS-1139 SERIES

Disconnectable Connectors (3.96mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, DC 350V
- Current rating: 7A, AC DC
- Withstand voltage: 1500V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: .063" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon 66, UL 94V-2

Wafer

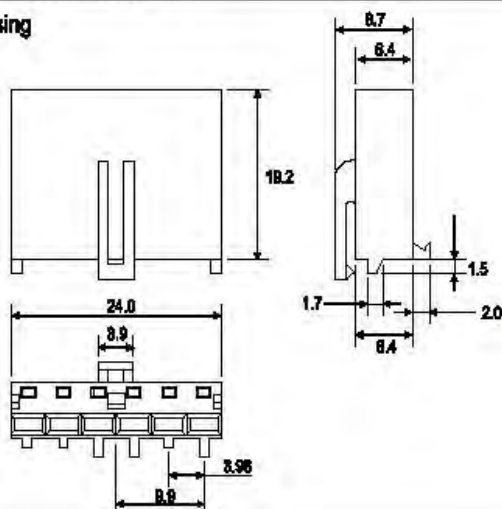
- Material: Post: Brass Tin/plated
Base: Nylon 66, UL 94V-2

Terminal

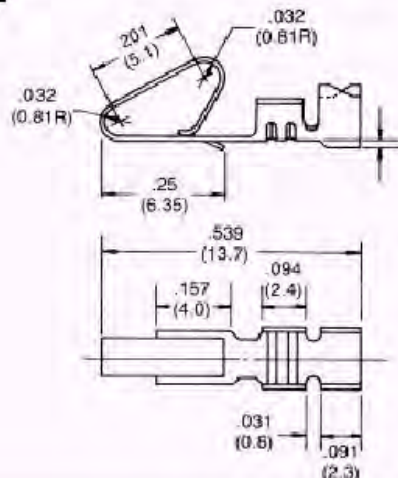
- Applicable wires: AWG #18-24
- Material: Brass
- Finish: Tin/plate 40 μ min.



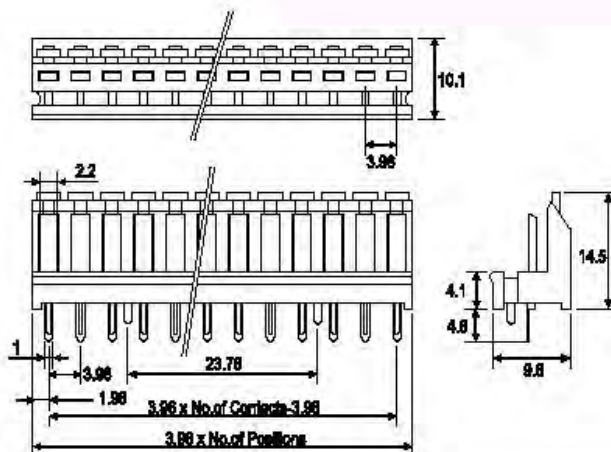
Housing



Terminal



Straight Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1139	S: Straight Wafer H: Housing T: Terminal	6, 12	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



D

Specification

- ## Housing

- Nylon 66, UL 94V-0 OR 94V-D

Wafer

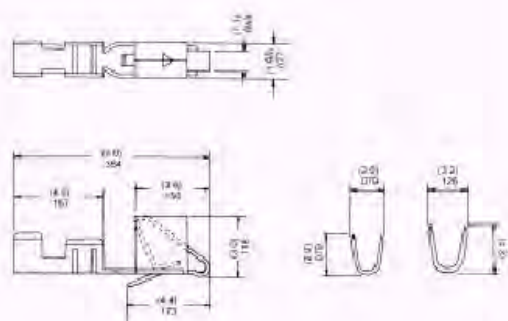
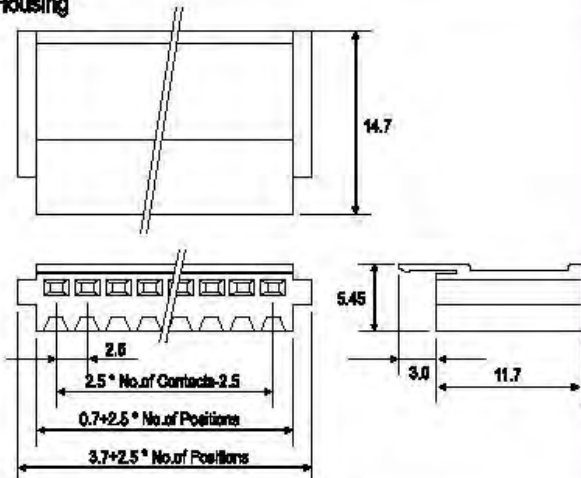
- **Material:** Post: Brass Tin/plated
Base: Nylon 66, UL 94V-0 Natural

Terminated

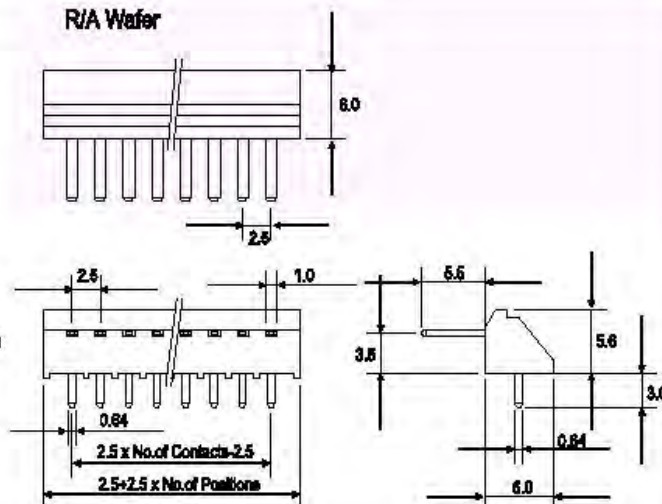
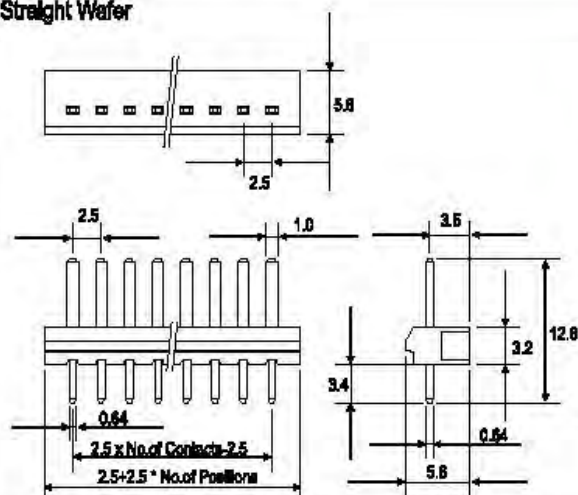
- Applicable wires: AWG #22-30
- Material: Brass
- Finish: Tin/plated 40 μ " min.



Terminal



R/A Wafer



Unit:mm

Series	Type	No of Contact	Plating
WS-1141	S: Straight Wafer R: Right Angle Wafer H: Housing T: Terminal	2-20	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted

WS-1142 SERIES

Center Crimp Connectors (2.54mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, DC
- Current rating: 3A, AC DC
- Withstand voltage: 1000V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: .063" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- FB.T.94V-0,30% glass

Wafer

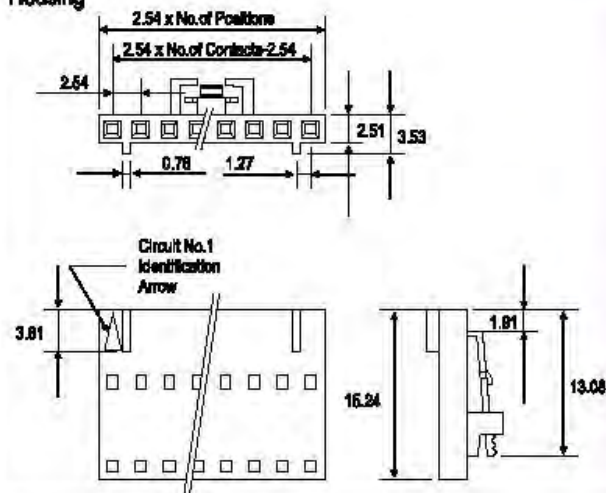
- Material: Post: Brass Tin/plated
UL 94V-0, BPT + 30% glass: Base

Terminal

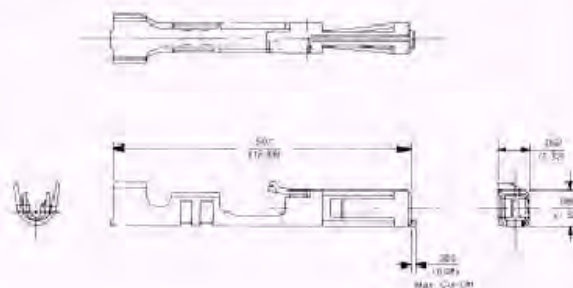
- Applicable wires: AWG #22-30
- Material: Phos bronze, Bronze
- Finish: Tin/plated 40 μ min.



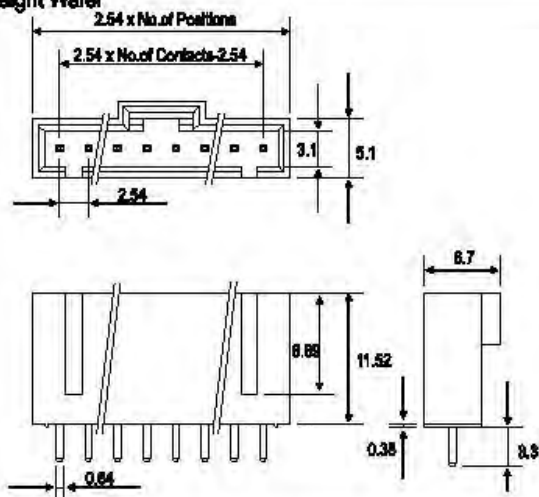
Housing



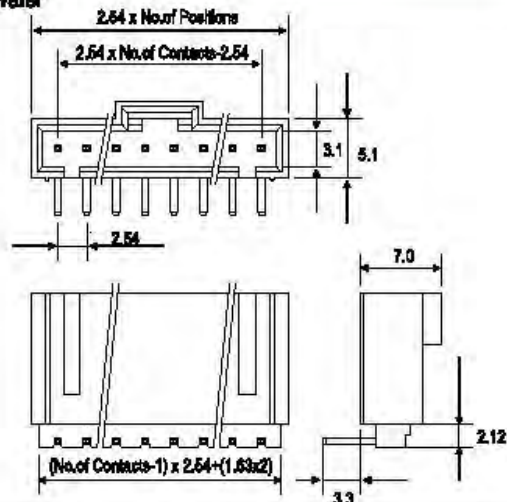
Terminal



Straight Wafer



R/A Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1142	S: Straight Wafer R: Right Angle Wafer H: Housing T: Terminal	2-20	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-1147 SERIES

Disconnectable Connectors (1.25mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, Dc, 250V
- Current rating: 1a, AC DC
- Withstand voltage: 250V AC/minute
- Insulation resistance: 100M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: .031" ~ .063" (.08 ~ 1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon 66, UL 94V-0
- OR PBT+30% glass UL 94V-0

Wafer

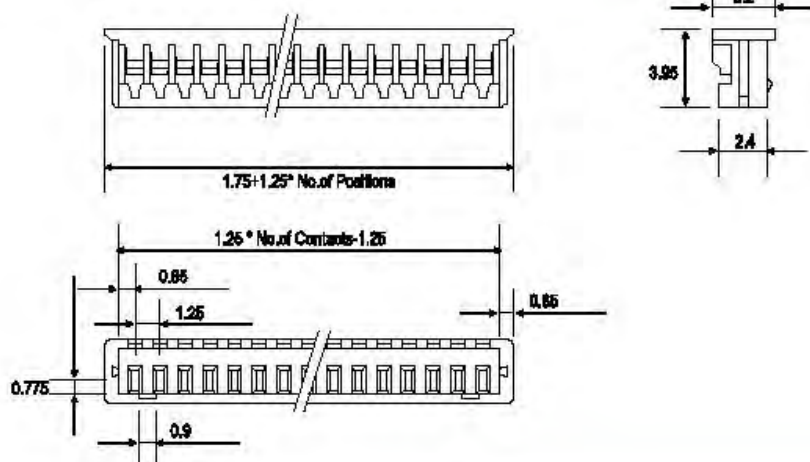
- Material: Post: Brass Tin/plated
Base: Nylon 66, UL 94V-0

Terminal

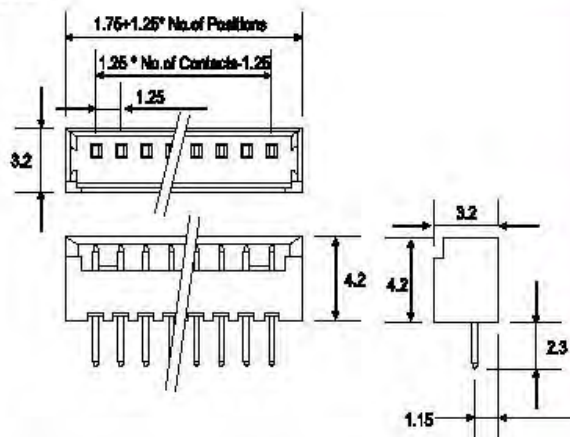
- Applicable wires: AWG #28-32
- Material: Phos. Bronze
- Finish: Tin/plated 40 μ min.



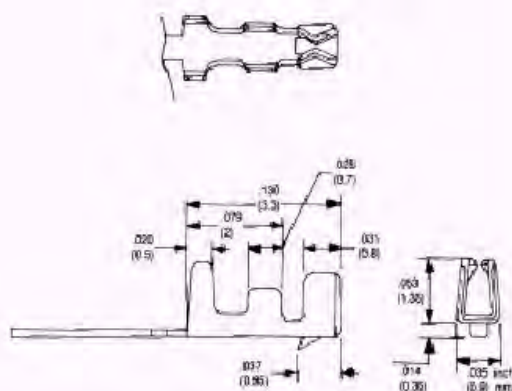
Housing



Wafer



Terminal



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Housing	Plating
WS-1147	S: Straight Wafer H: Housing T: Terminal	2-15	1: Nylon 66 2: PBT	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-1147S SERIES

Disconnectable SMT Connectors (1.25mm)

D

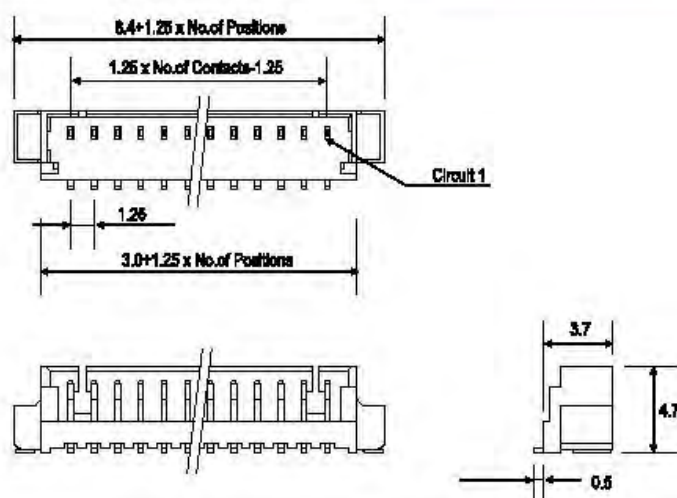
APPLICATION AND FEATURES

Specification

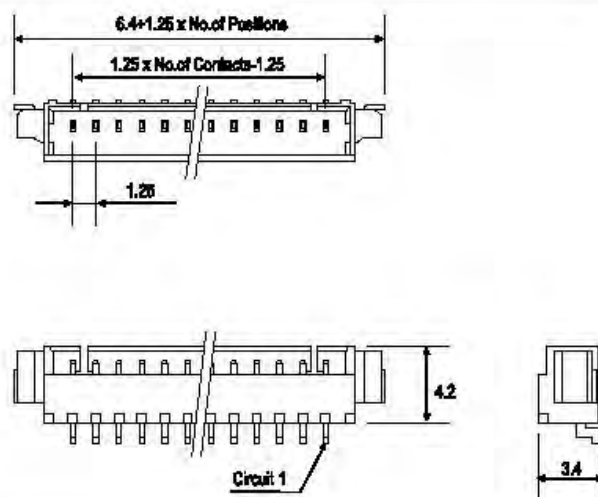
- Voltage rating: AC, 250V, DC
- Current rating: 1A, AC DC
- Withstand voltage: 250V AC/minute
- Insulation resistance: 100M Ω min
- Temperature range: -40°C ~ +85°C
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.
- Material: Nylon 46 UL 94-0
+30% glass fiber



Top Entry



Side Entry



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Housing	Plating
WS-1147S	1: Top Entry 2: Side Entry	2-15	1:Nylon 66 2:PBT	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-1148 SERIES

Mini-fit Power Connectors (4.20mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, DC
- Current rating: 7A, AC DC
- Withstand voltage: 1500V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -85°C ~ +105°C
- Applicable PC board thickness: .063" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

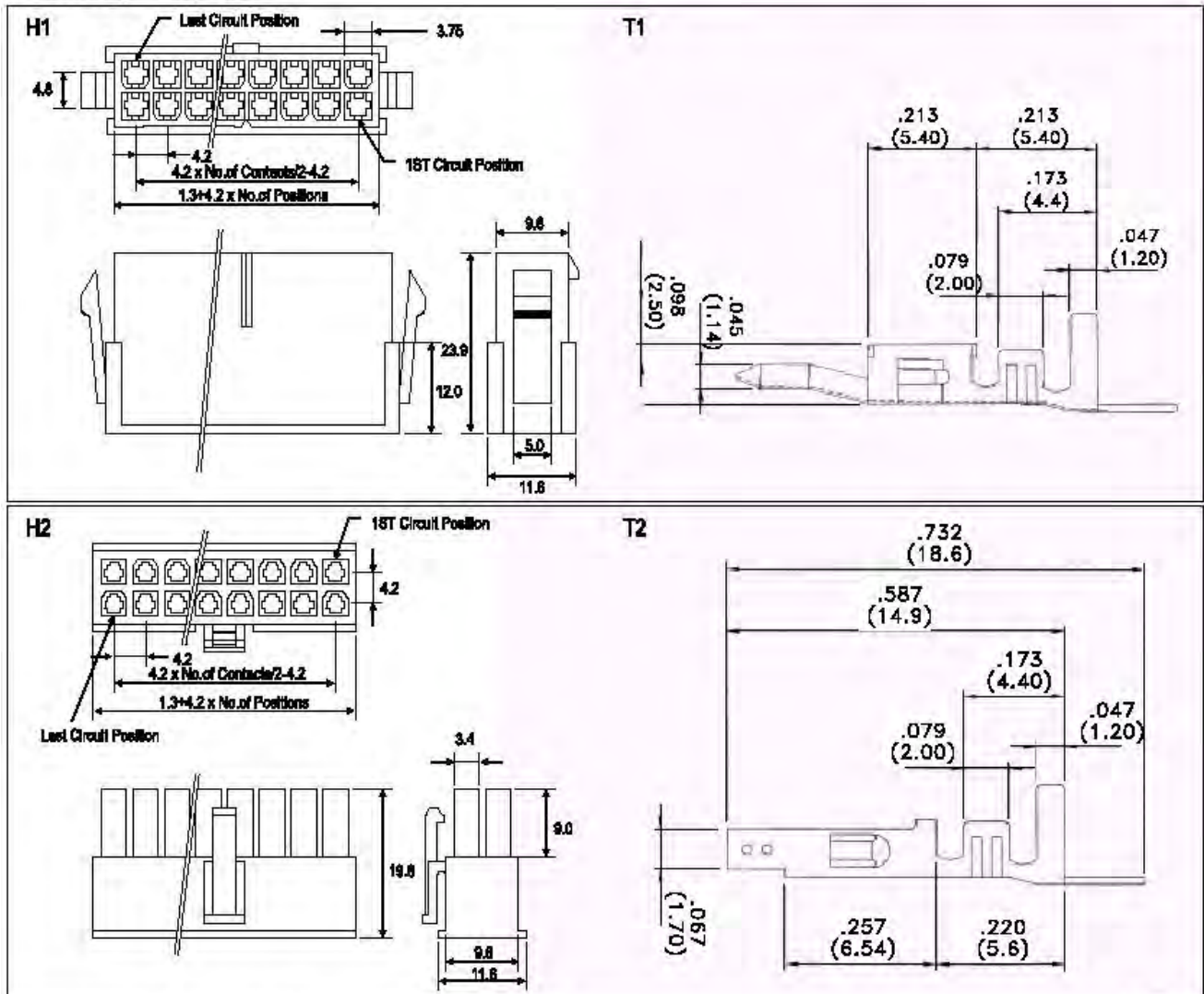
- Nylon 66, UL 94V-2

Wafer

- Material: Post: Brass Tin/plated
Base: Nylon 66, 94V-2

Terminal

- Applicable wires: AWG #18-24
- Material: Brass
- Finish: Tin/plate 40 μ min.



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1148	H1:Housing H1 H2:Housing H2 T1:Terminal T1 T2:Terminal T2	2-24	T: Tin G: Gold Flash G1:Gold 5 μ *T can be omitted



WS-1150 SERIES

Mini-fit Power Connectors (4.20mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, DC
- Current rating: 7A, AC DC
- Withstand voltage: 1500V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -85°C ~ +105°C
- Applicable PC board thickness: .063" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

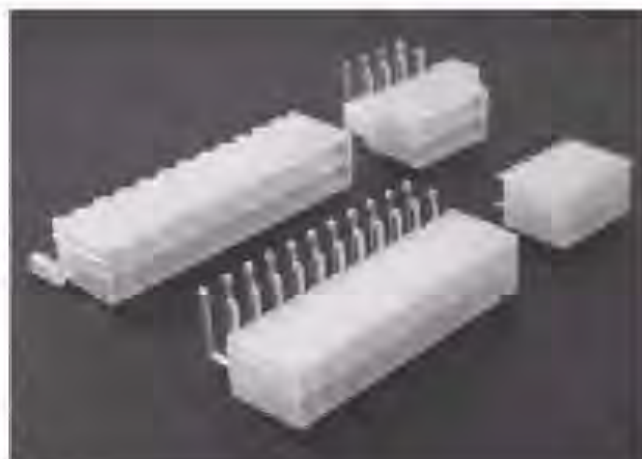
- Nylon 66, UL 94V-2

Wafer

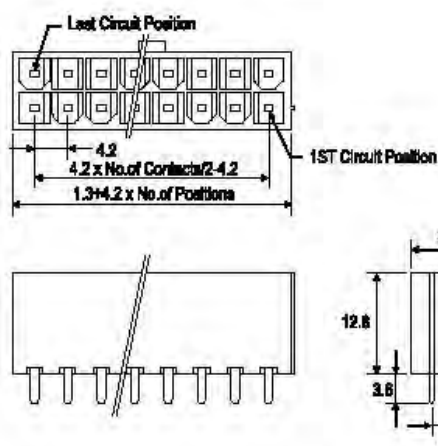
- Material: Post: Brass Tin/plated
Base: Nylon66, 94V-2

Terminal

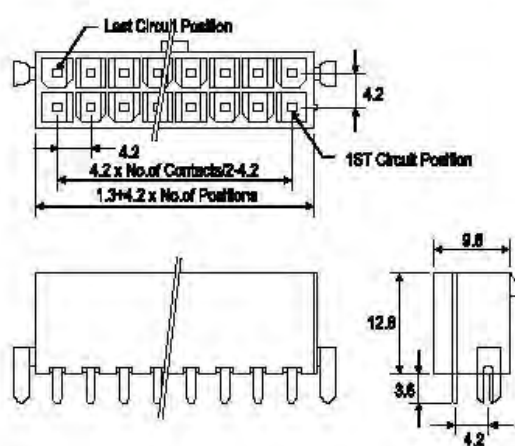
- Applicable wires: AWG #18-24
- Material: Brass
- Finish: Tin/plate 40 μ min.



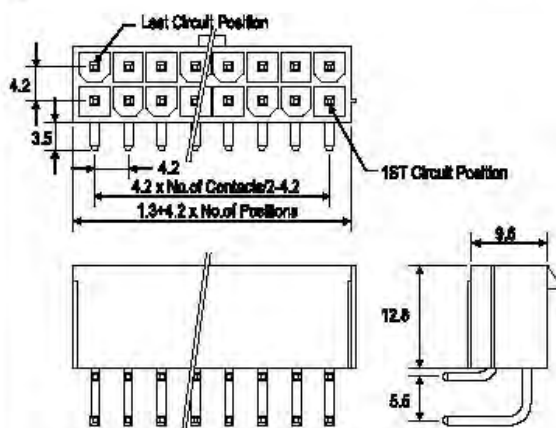
A



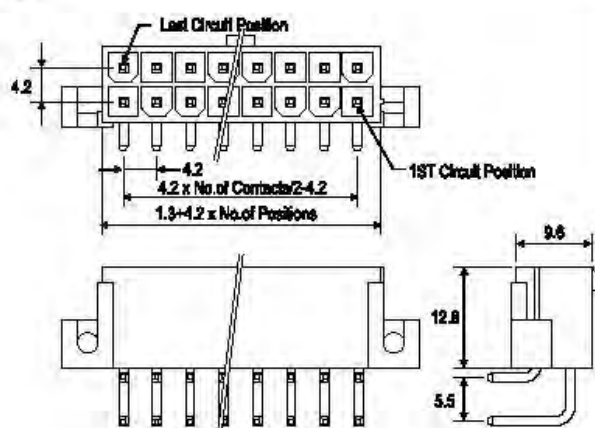
B



C



D



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1150	A: Wafer A B: Wafer B C: Wafer C D: Wafer D	2-24	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-1174 SERIES

Disconnectable Crimp Connectors (1.50mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, Dc, 50V
- Current rating: 0.7A, AC DC
- Withstand voltage: 500V AC/minute
- Insulation resistance: 500M Ω min
- Temperature range: -25 $^{\circ}$ C ~ +85 $^{\circ}$ C
- Applicable PC board thickness: .024" ~ .047" (0.6 ~ 1.2mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/30m Ω max.

Housing

- Nylon 66, UL 94V-0

Wafer

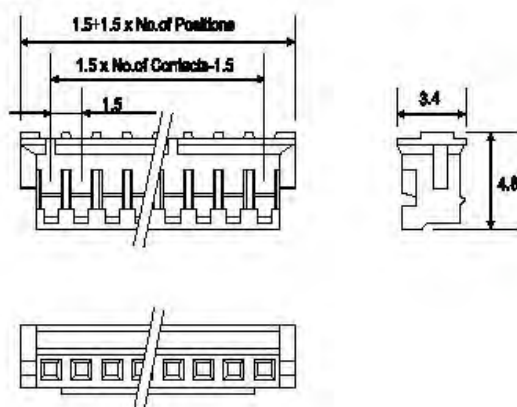
- Material: Post: Brass Tin/plated
Base: Nylon 66, UL 94V-0

Terminal

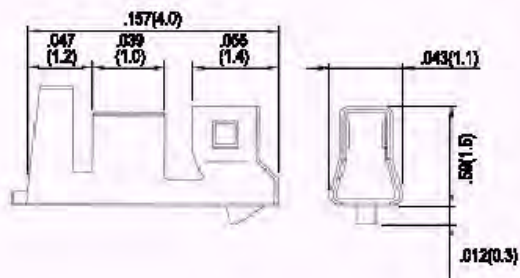
- Applicable wires: AWG #28-32
- Material: Phos. Bronze
- Finish: Tin/plated 40 μ min.



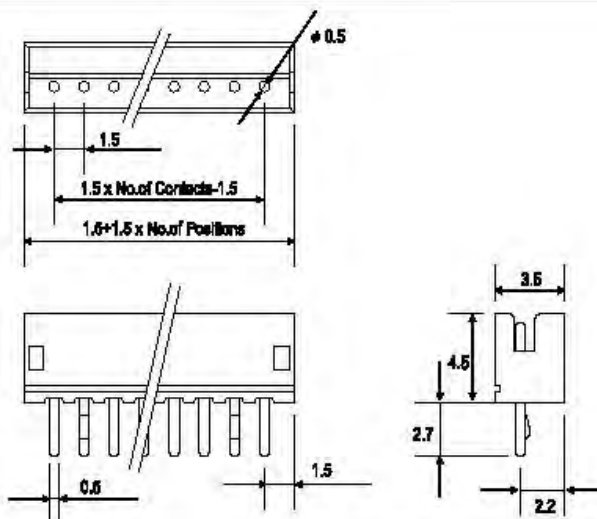
Housing



Terminal



Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-1174	S: Straight Wafer H: Housing T: Terminal	2-13	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-2000 SERIES

D

Disconnectable Crimp / Wire-to-Wire Connectors (4.50mm)

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, DC
- Current rating: 5A, AC DC
- Withstand voltage: 1500V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon 66, UL 94V-2

Wafers

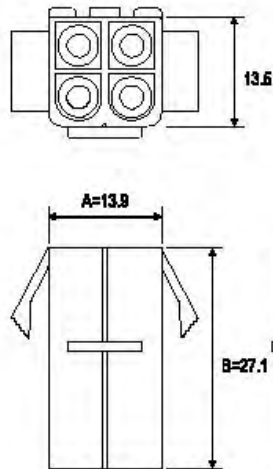
- Material: Post: Brass Tin/plated
Base: Nylon 66, 94V-2

Terminal

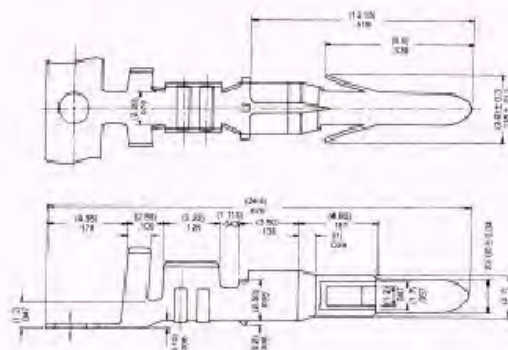
- Applicable wires: AWG #26-16
- Material: Brass
- Finish: Tin/plate 40 μ min.



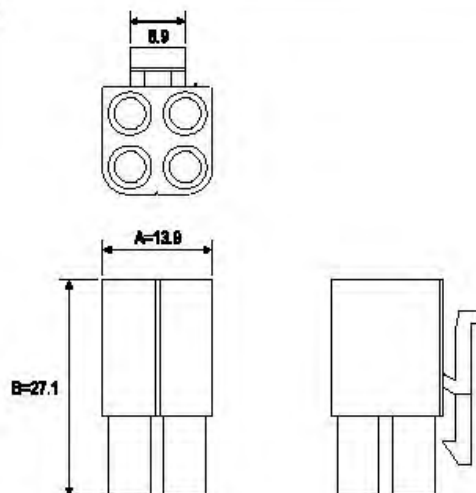
H1



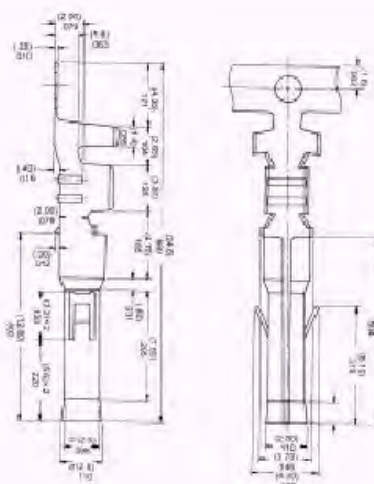
T1



H2



T2



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-2000	H1:Housing H1 H2:Housing H2 T1:Terminal T1 T2:Terminal T2	1-15	T: Tin G: Gold Flash G1:Gold 5 μ *T can be omitted



WS-4001 SERIES

D

Center Connectors (3.96mm)

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, DC 350V
- Current rating: 7A, AC DC
- Withstand voltage: 1500V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: .063" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon 66, UL 94V-2 OR 94V-0

Wafer

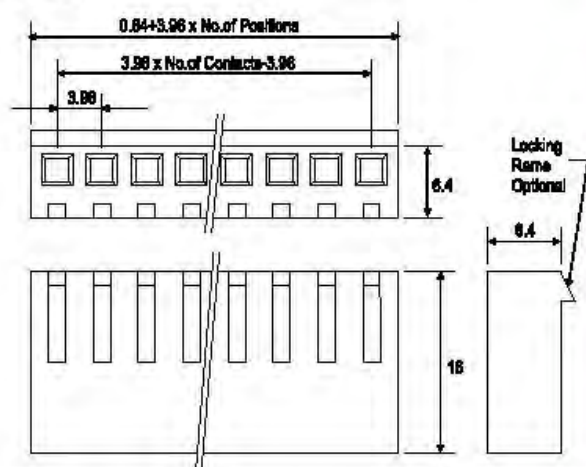
- Material: Post: Brass Tin/plated
Base: Nylon66, UL 94V-2 OR 94V-0

Terminal

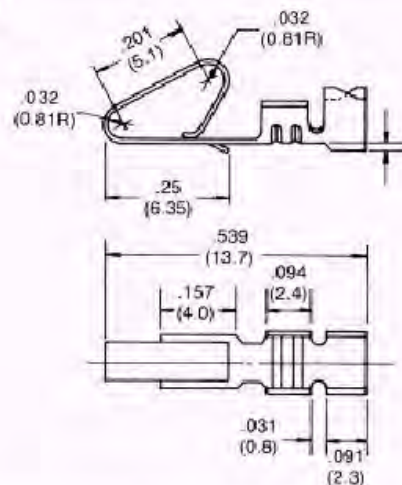
- Applicable wires: AWG # 18-24
- Material: Brass
- Finish: Tin/plate 40 μ min.



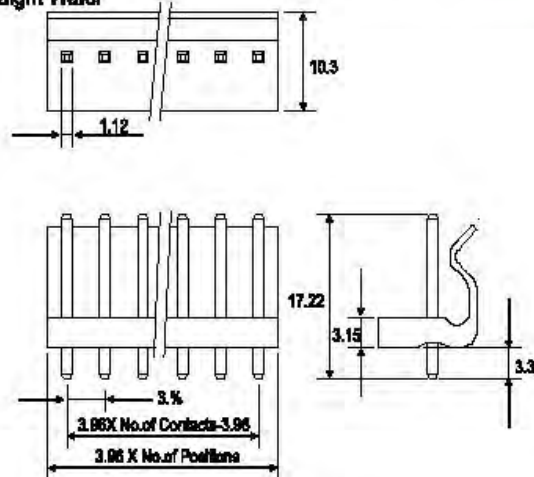
Housing



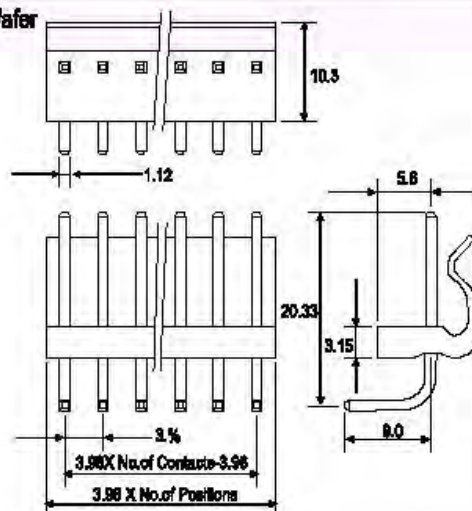
Terminal



Straight Wafer



R/A Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-4001	S: Straight Wafer R: Right Angle Wafer H: Housing T: Terminal	2-15	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



WS-4003 SERIES

D

Mini.Latch Housing (2.54mm) & Header (3.96mm) Connectors

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, DC (Header)
- Current rating: 7A, AC DC (Header)
- Withstand voltage: 1500V AC/minute (Header)
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C ~ +85°C
- Applicable PC board thickness: 0.63" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon Se100 SE100H 94V-I

Terminal

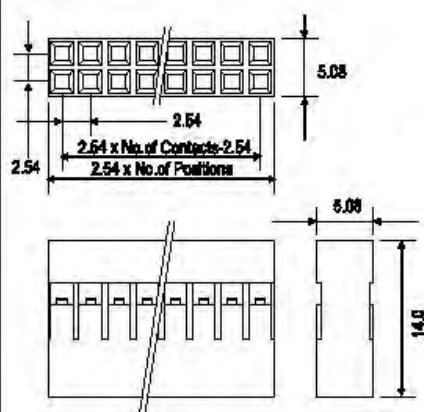
- Applicable wires: AWG #22-28
- Material: Brass
- Finish: Gold-plated/gold flash

Wafer

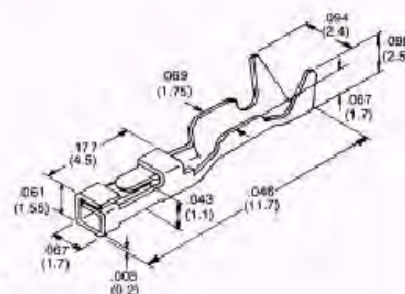
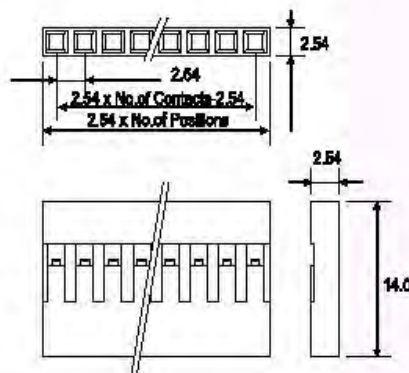
- Material: Post: Brass Tin/plated
Base: Nylon 66, UL 94V-2



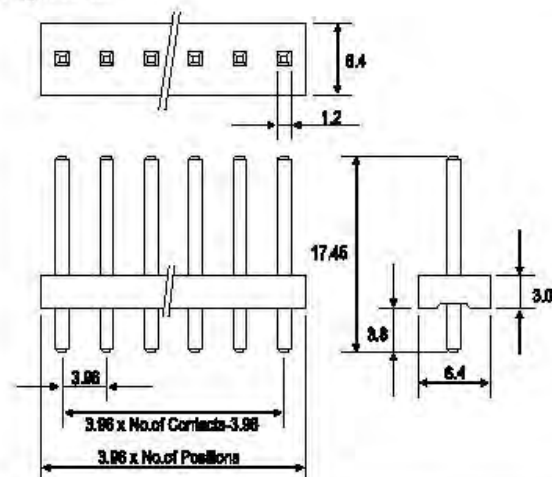
Housing



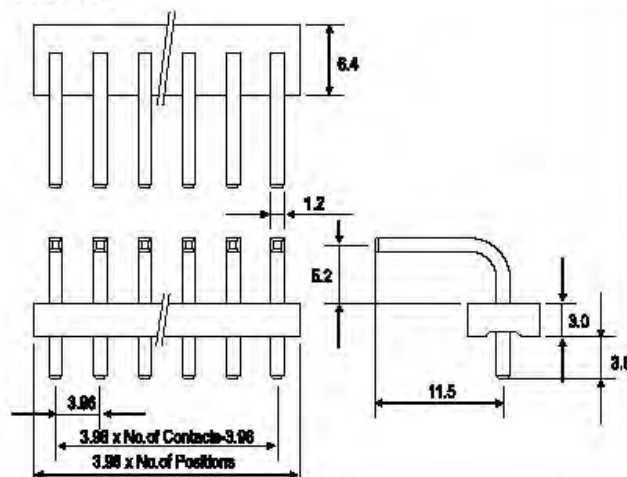
Terminal



Straight Wafer



R/A Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-4003	S: Straight Header R: Right Angle Header A: Housing Single B: Housing Dual T: Terminal	2-20 (Header) 2-40(A) 4-80(B)	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted

WS-6001 SERIES

Center Crimp Connectors (2.54mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, 250V, DC
- Current rating: 3A, AC DC
- Withstand voltage: 1000V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25 $^{\circ}$ C ~ +85 $^{\circ}$ C
- Applicable PC board thickness: .063" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon UL 94V-2

Wafer

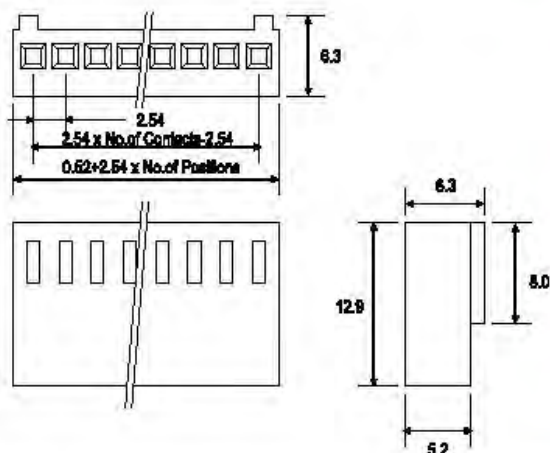
- Material: Post: Brass Tin/plated
Base: nylon UL 94V-2

Terminal

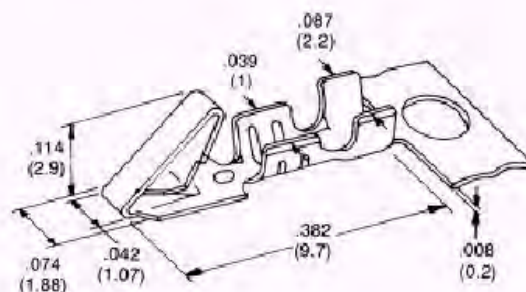
- Applicable wires: AWG #22-30
- Material: Brass
- Finish: Tin/plated



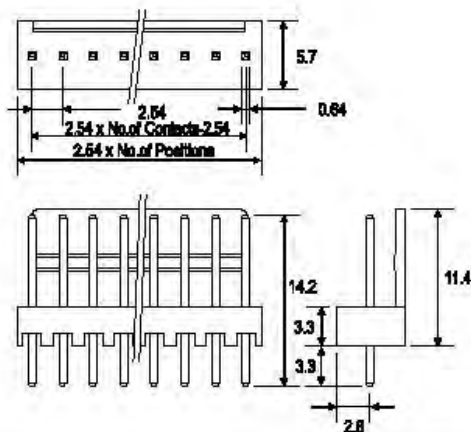
Housing



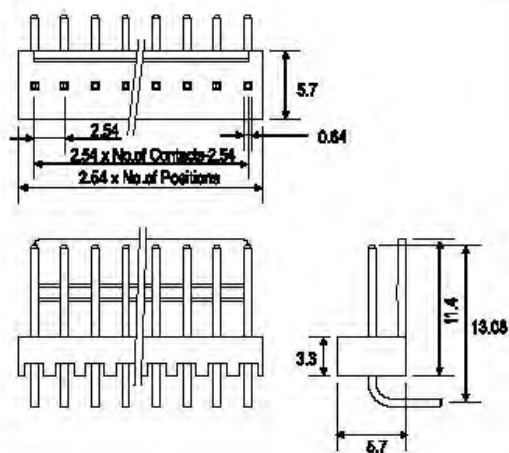
Terminal



Straight Wafer



R/A Wafer



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-6001	S: Straight Wafer R: Right Angle Wafer H: Housing T: Terminal	2-20	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted



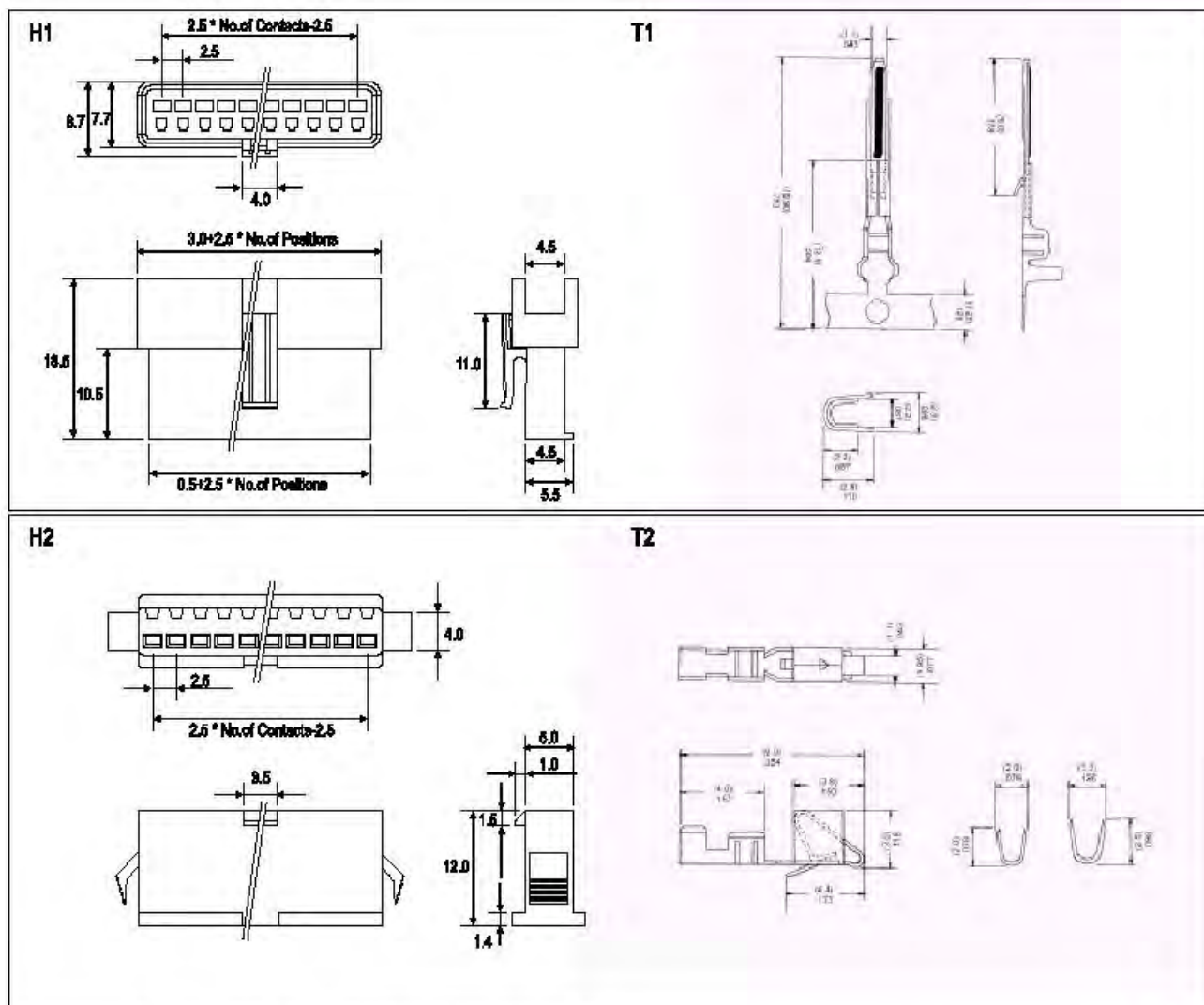
D

APPLICATION AND FEATURES

- Voltage rating: AC, DC, 250V
- Current rating: 3A, AC DC
- Withstand voltage: 1000V AC/minute
- Insulation resistance: 500M Ω min
- Temperature range: -25 $^{\circ}$ C ~ +85 $^{\circ}$ C
- Applicable PC board thickness: .063" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

- Nylon 66, 94V-2

- Applicable wires: AWG #22-28
- Material: Brass/Tin
- Finish: Tin/plated 40 μ " min.



Unit:mm

Series	Type	No of Contact	Plating
WS-4503	H1,H2:Housing T1,T2:Terminal	2-12	T: Tin G: Gold Finish G1:Gold 5 μ *T can be omitted

WS-9001 SERIES

Disconnectable Connectors (2.00mm)

D

APPLICATION AND FEATURES

Specification

- Voltage rating: AC, Dc, 250V
- Current rating: 2A, AC DC
- Withstand voltage: 800V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25 $^{\circ}$ C ~ +85 $^{\circ}$ C
- Applicable PC board thickness: .063" (1.6mm)
- Contact resistance: Initial Value/10m Ω max.
After environmental testing/20m Ω max.

Housing

- Nylon 66, UL 94V-0

Wafer

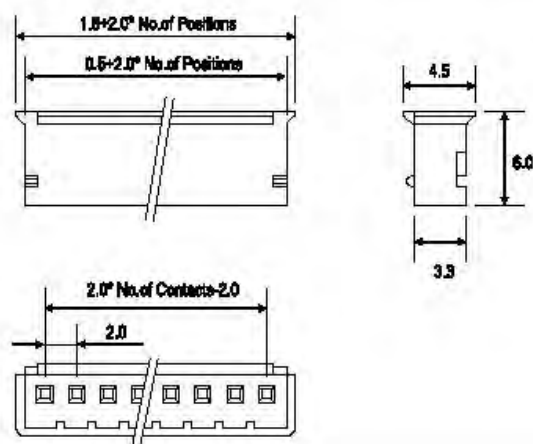
- Material: Post: Brass Tin/plated
Base: Nylon 66, UL 94V-0

Terminal

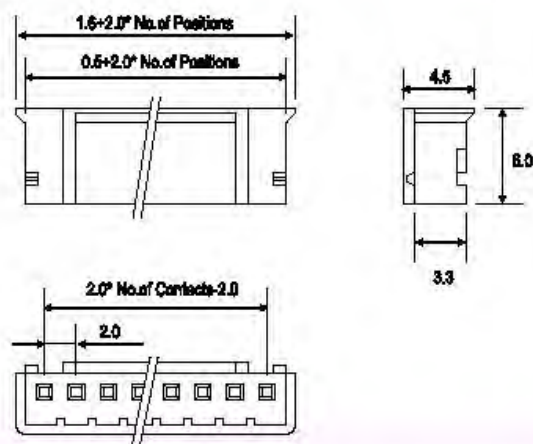
- Applicable wires: AWG #22-28
- Material: Phos. Bronze
- Finish: Tin/plated 40 μ " min.



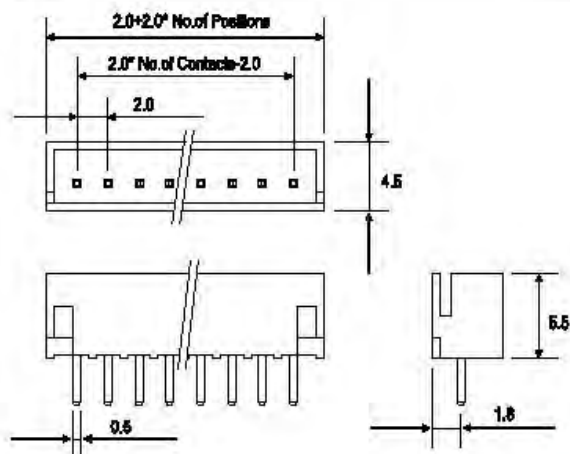
Housing A



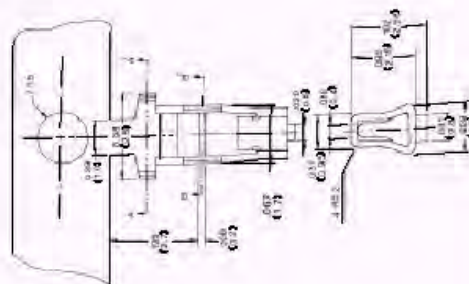
Housing B



Wafer



Terminal



ORDERING INFORMATION

Unit:mm

Series	Type	No of Contact	Plating
WS-9001	S: Straight Wafer A: Housing A B: Housing B T: Terminal	2-15	T: Tin G: Gold Flash G1: Gold 5 μ *T can be omitted

