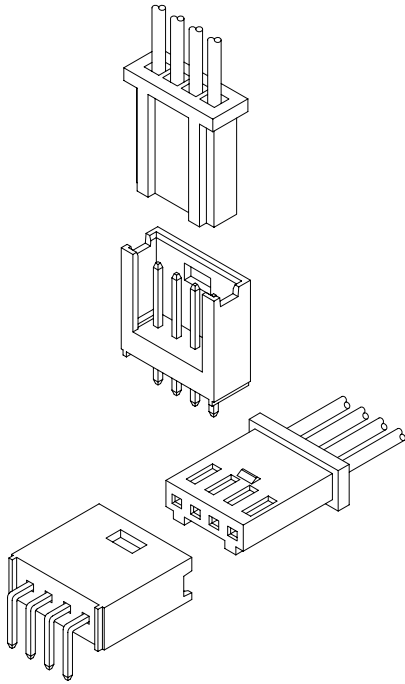


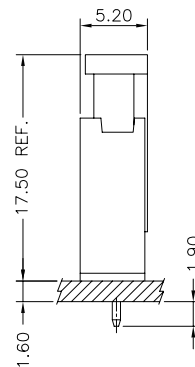
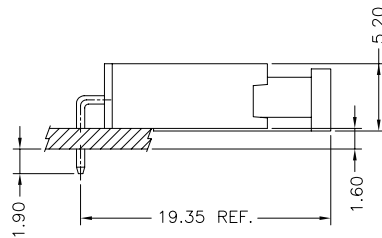


Specifications

Current Rating: 2A~3A AC,DC(Per Pin)
Voltage Rating: 250V AC,DC(Per Pin)
Temperature Range: -25°C ~ +85°C
Contact Resistance: 20mΩ Max.
Insulation Resistance: 1000MΩ Min.
Withstanding Voltage: 1000V AC/minute

Standards

Assembly Layout



Ordering Code

① ② ③ ④
A2509 - X X X

- ① Series No.
- ② Plating Code: T=Tin-Plated, H= Gold / Tin-Plated
- ③ Material: P=Phosphor Bronze
- ④ E=Stamping Before Plating

① ② ③
A2509 X - XP

- ① Series No.
- ② Housing Type: H=Housing
- ③ No. of Circuits

① ② ③
A2509 XX - XP

- ① Series No.
- ② Connector Type: WV=Vertical, WR=Right Angle
- ③ No. of Circuits



A2509 SERIES

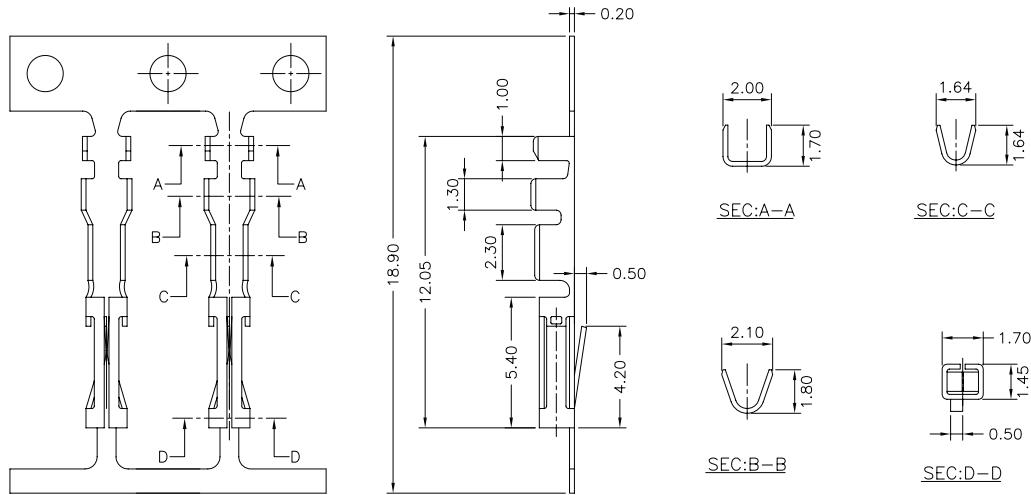
2.54mm Pitch Wire to Board Connector

A2509-XXX

2.54mm Pitch Crimp Terminal

Reference Information:

*Used in A2509H Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
A2509-TPE	AWG#22-#26	1.55mm(Max)	Phosphor Bronze	Tin-Plated	20,000Pcs
A2509-HPE	AWG#22-#26	1.55mm(Max)	Phosphor Bronze	Gold-Plated	20,000Pcs

Note:E-Stamping Before Plating

A2509H

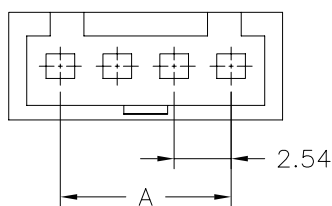
2.54mm Pitch Housing

Reference Information:

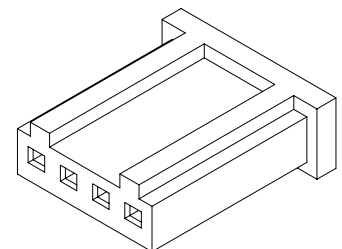
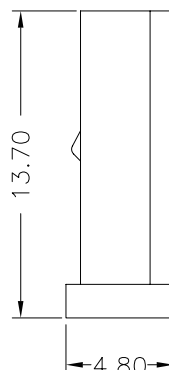
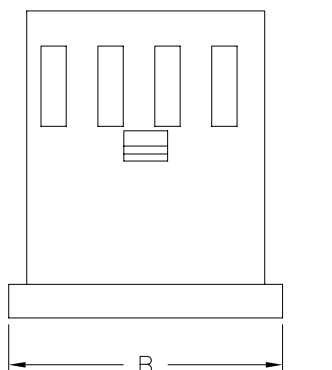
*Material: Thermoplastic

*Suitable A2509 Series Terminal

*Mates with A2509 Series Wafer



A2509H-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.54	7.10
04	7.62	12.20
06	12.70	17.30
08	17.78	22.30

Unit:mm



A2509 SERIES

2.54mm Pitch Wire to Board Connector

A2509WV

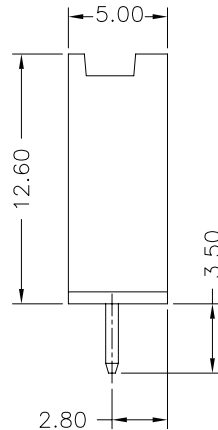
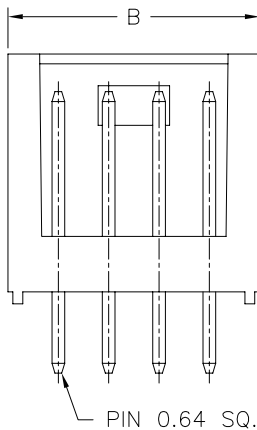
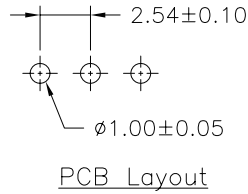
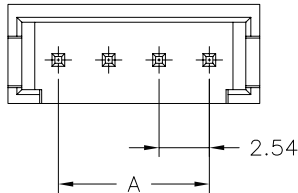
—2.54mm Pitch 180° Wafer—

Reference Information:

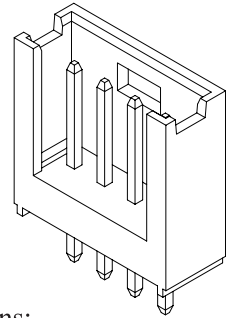
*Material: Pin: Copper Alloy

Wafer: Thermoplastic

*Mates with A2509 Series Housing



A2509WV-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.54	7.62
04	7.62	12.70
05	10.16	15.24
06	12.70	17.78
08	17.78	22.86
10	22.86	27.94

Unit:mm

A2509WR

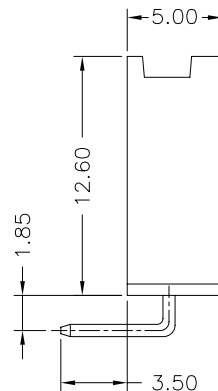
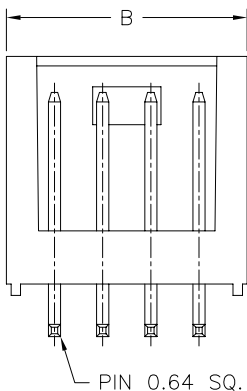
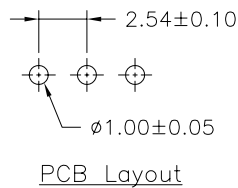
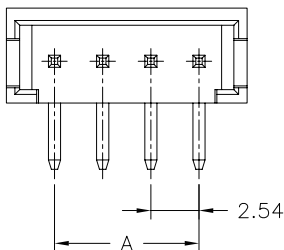
—2.54mm Pitch 90° Wafer—

Reference Information:

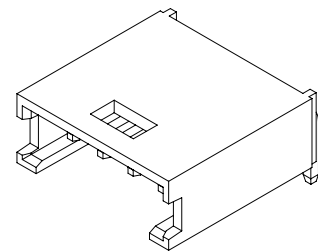
*Material: Pin: Copper Alloy

Wafer: Thermoplastic

*Mates with A2509 Series Housing



A2509WR-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.54	7.62
04	7.62	12.70
05	10.16	15.24
06	12.70	17.78
08	17.78	22.86
10	22.86	27.94

Unit:mm