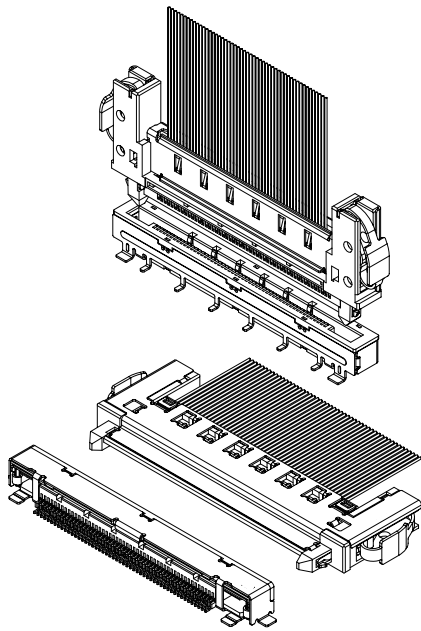




Specifications

Current Rating: 0.5A~0.7A AC,DC(Per Pin)

Voltage Rating: 100V AC,DC(Per Pin)

Temperature Range: -25°C ~ +85°C

Contact Resistance: 50mΩ Max.

Insulation Resistance: 100MΩ Min.

Withstanding Voltage: 500V AC/minute

A

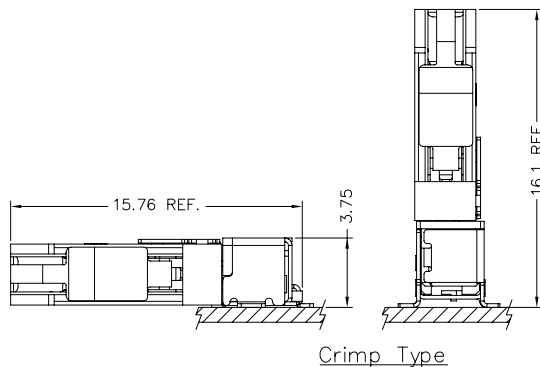
B

C

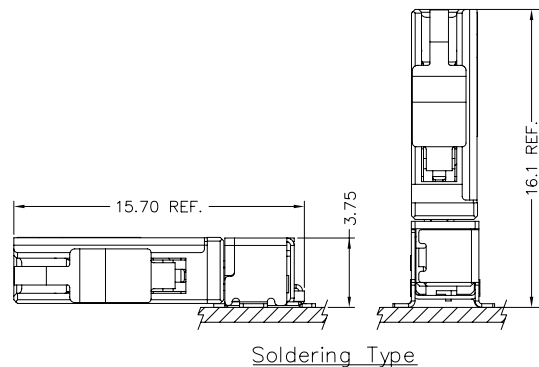
F

Standards

Assembly Layout



Crimp Type



Soldering Type

Ordering Code

① ② ③ ④
A0501-X X X

- ① Series No.
- ② Plating Code: G=Gold-Plated
- ③ Material: P=Phosphor Bronze
- ④ E=Stamping Before Plating

① ② ③ ④
A0501 X X-XP

- ① Series No.
- ② Housing Type: H=Housing
- ③ Blank=Crimp Type, A=Soldering Type
- ④ No. of Circuits

① ② ③ ④
A0501 XX-X-XP

- ① Series No.
- ② Connector Type: WV=Vertical, WR=Right Angle
- ③ Mounting Type: S=SMT
- ④ No. of Circuits

① ② ③ ④ ⑤
TC-A0501 HA-T-XP-XXX

- ① Category code
- ② Series No.
- ③ T=Top Cover
- ④ No. of Circuits
- ⑤ Material



A0501 SERIES

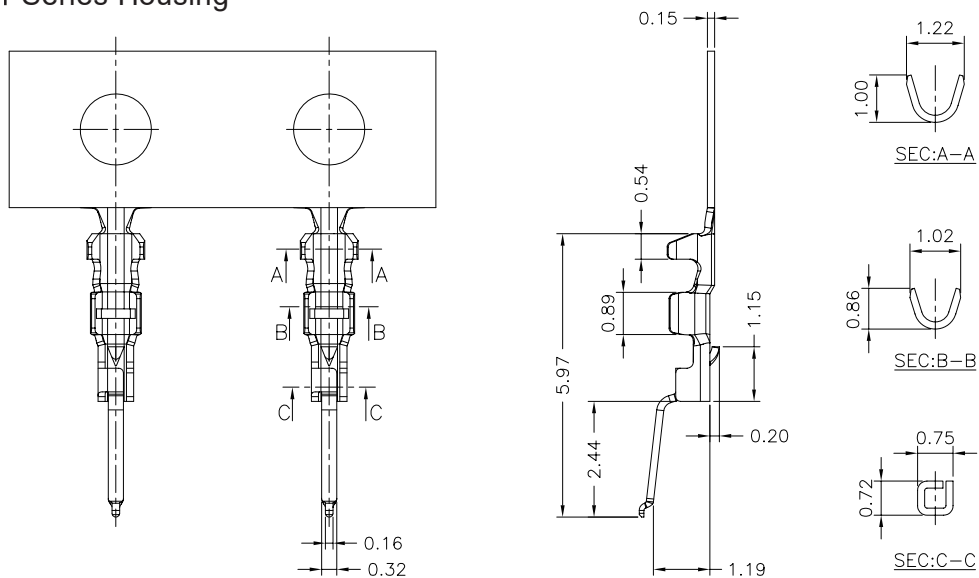
0.50mm Pitch Wire to Board Connector

A0501-XXX

0.50mm Pitch Crimp Terminal

Reference Information:

*Used in A0501 Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
A0501-GPE-A	AWG#30-#36	0.75mm(Max)	Phosphor Bronze	Gold-Plated	15,000Pcs
A0501-GPE-A4	AWG#30-#36	0.75mm(Max)	Phosphor Bronze	Gold-Plated 5u"	15,000Pcs

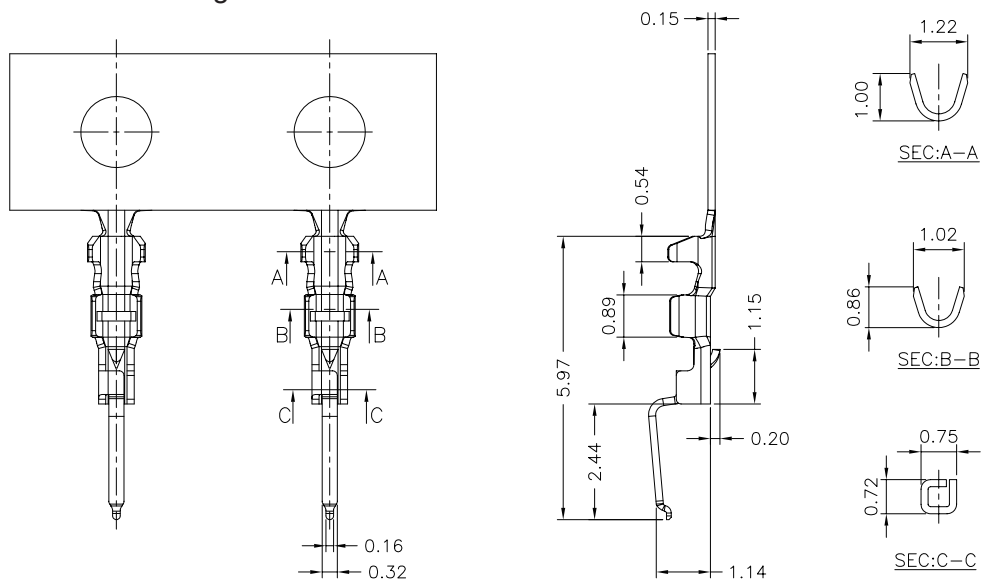
Note:E-Stamping Before Plating

A0501-XXX

0.50mm Pitch Crimp Terminal

Reference Information:

*Used in A0501 Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
A0501-GPE-B	AWG#30-#36	0.75mm(Max)	Phosphor Bronze	Gold-Plated	15,000Pcs
A0501-GPE-B4	AWG#30-#36	0.75mm(Max)	Phosphor Bronze	Gold-Plated 5u"	15,000Pcs

Note:E-Stamping Before Plating



A0501 SERIES

0.50mm Pitch Wire to Board Connector

A0501H

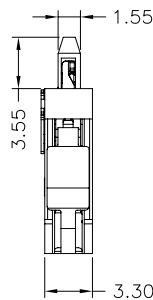
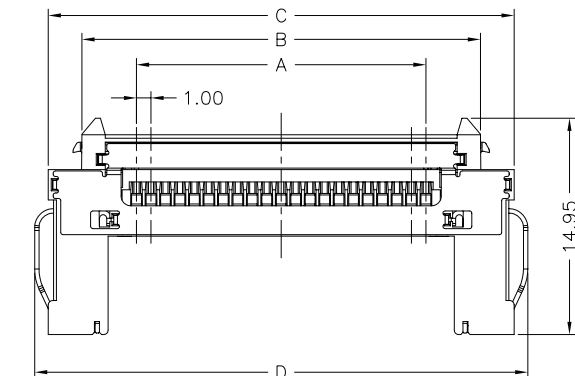
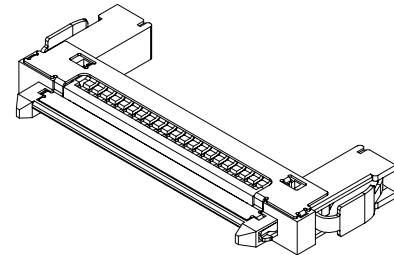
— 0.50mm Pitch Housing - Crimp Type —

Reference Information:

*Material: Housing: Thermoplastic
Shell: Stainless Steel
Lock Lever: Stainless Steel

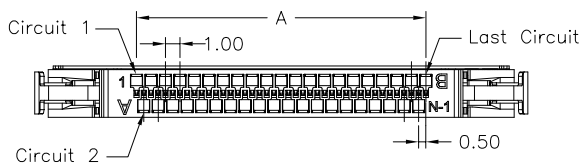
*Suitable A0501 Series Terminal

*Mates with A0501 Series Wafer



P/N LEGEND

A0501H-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	C	D
21	10.00	17.54	22.20	24.34
31	15.00	22.54	27.20	29.34
41	20.00	27.54	32.20	34.34
51	25.00	32.54	37.20	39.34

Unit:mm

A0501HA

— 0.50mm Pitch Housing - Soldering Type —

Reference Information:

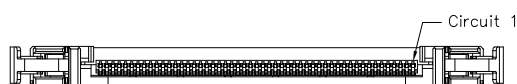
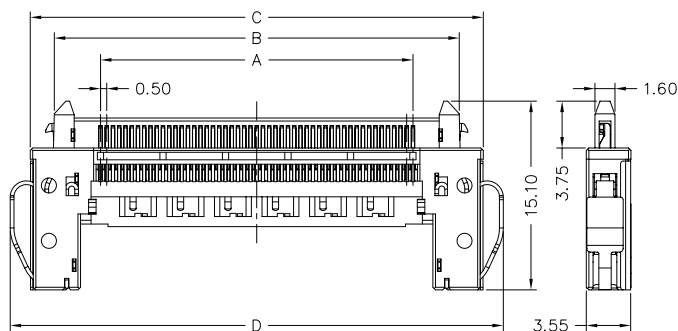
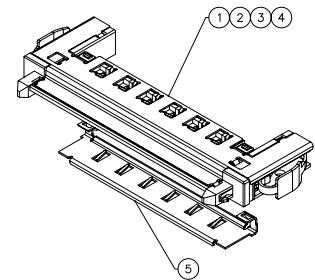
*Material: Pin: Copper Alloy
Housing: Thermoplastic
Shell: Copper Alloy
Lock Lever: Stainless Steel

*Suitable Coaxial Cable #40,42

*Mates with A0501 Series Wafer

P/N LEGEND

A0501HA-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						



No.	Part No.	Description	Material	Color
1	A0501HA-XPNLBXXT00B	Insulator	Thermoplastic	Black
2		Ground Plate	Copper Alloy	---
3		Contact	Copper Alloy	---
4		Lock Lever	Stainless Steel	---
5	TCA0501HA-T-XP-MP0	Cover Shell	Copper Alloy	---

Dimensions:

Circuit No.	Dimensions			
	A	B	C	D
21	10.00	17.40	21.25	24.45
31	15.00	22.40	26.25	29.45
41	20.00	27.40	31.25	34.45
51	25.00	32.40	36.25	39.45

Unit:mm



A0501 SERIES

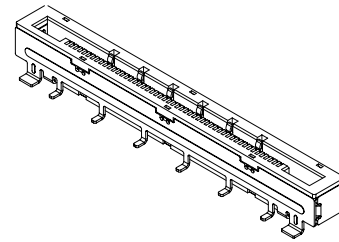
0.50mm Pitch Wire to Board Connector

A0501WV-S

0.50mm Pitch 180° Wafer - SMT Type

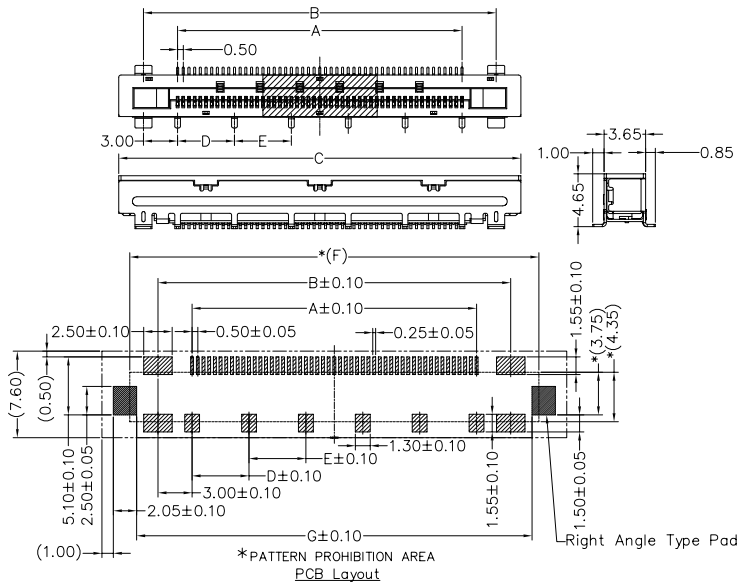
Reference Information:

- *Material: Pin: Copper Alloy
Shell: Copper Alloy
Wafer: Thermoplastic
- *Mates with A0501 Series Housing



P/N LEGEND

A0501WV-S-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	C	D	E	F	G
21	10.00	16.00	20.35	3.00	—	20.95	19.75
31	15.00	21.00	25.35	4.00	—	25.95	24.75
41	20.00	26.00	30.35	4.00	4.00	30.95	29.75
51	25.00	31.00	35.35	5.00	5.00	35.95	34.75

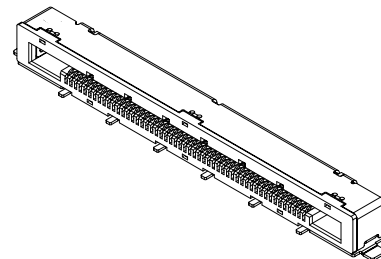
Unit:mm

A0501WR-S

0.50mm Pitch 90° Wafer - SMT Type

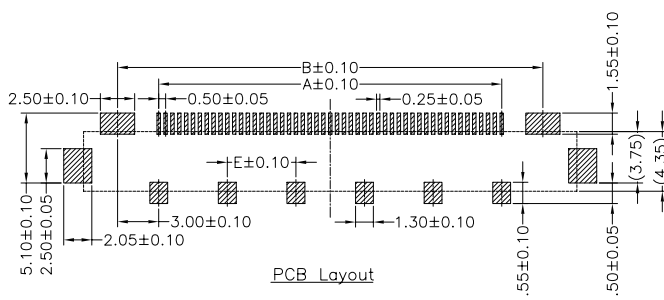
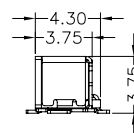
Reference Information:

- *Material: Pin: Copper Alloy
Shell: Copper Alloy
Wafer: Thermoplastic
- *Mates with A0501 Series Housing



P/N LEGEND

A0501WR-S-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	C	D	E
21	10.00	16.00	20.35	22.85	—
31	15.00	21.00	25.35	27.85	—
41	20.00	26.00	30.35	32.85	4.00
51	25.00	31.00	35.35	37.85	5.00

Unit:mm