

### Specifications

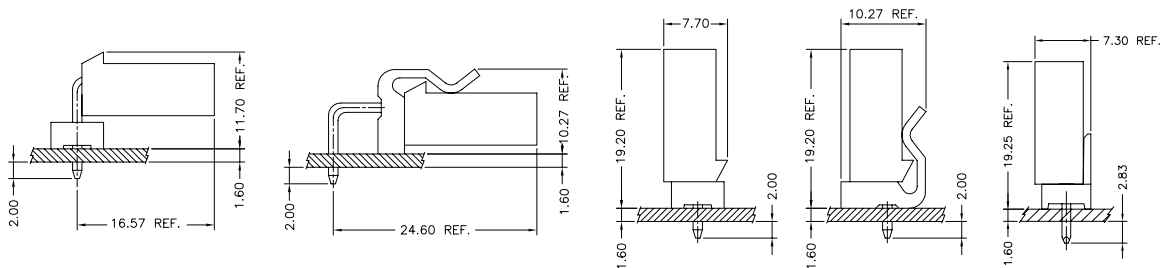
Current Rating: 3A~7A AC,DC(Per Pin)  
 Voltage Rating: 250V AC,DC(Per Pin)  
 Temperature Range: -25°C ~ +85°C  
 Contact Resistance: 10mΩ Max.  
 Insulation Resistance: 1000MΩ Min.  
 Withstanding Voltage: 1500V AC/minute  
 \*Contact H.R for Details\*

A  
B  
C  
F

### Standards



### Assembly Layout



### Ordering Code

① A5081 ② XX ③ -XP

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

① A5081 ② XX ③ X ④ -XP

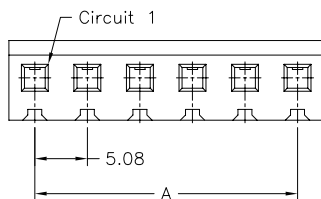
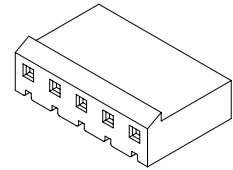
- ① Series No.
- ② Connector Type: WV=Vertical, WR=Right Angle
- ③ Blank=With Locking Ramp  
A=Without Locking Ramp  
B=With Polarizing Backwall
- ④ No. of Circuits



### A5081H — 5.08mm Pitch Housing

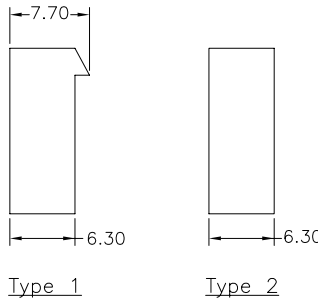
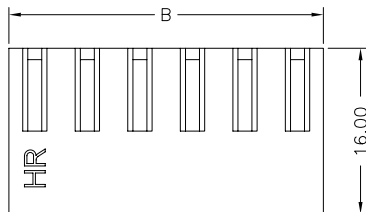
#### Reference Information:

- \*Material: Thermoplastic
- \*Suitable H.R A3960 Series Terminal
- \*Mates with H.R A5081 Series Wafer



A5081H-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	5.08	10.08
03	10.16	15.16
04	15.24	20.24
05	20.32	25.32
06	25.40	30.40
07	30.48	35.48
08	35.56	40.56
09	40.64	45.64
10	45.72	50.72
11	50.80	55.80
12	55.88	60.88
13	60.96	65.96
14	66.04	71.04
15	71.12	76.12
16	76.20	81.20
17	81.28	86.28
18	86.36	91.36
19	91.44	96.44
20	96.52	101.52

Unit:mm

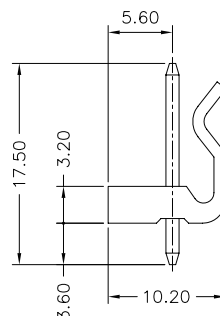
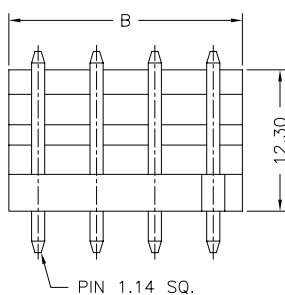
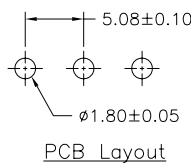
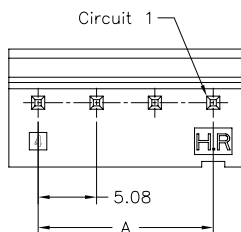
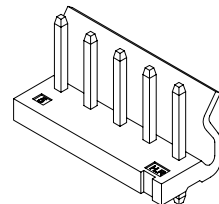
### A5081WV — 5.08mm Pitch 180° Wafer

#### Reference Information:

- \*Material: Pin: Copper Alloy  
Wafer: Thermoplastic
- \*Mates with H.R A5081 Series Housing

A5081WV-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	5.08	10.16
03	10.16	15.24
04	15.24	20.32
05	20.32	25.40
06	25.40	30.48
07	30.48	35.56
08	35.56	40.64
09	40.64	45.72
10	45.72	50.80
11	50.80	55.88
12	55.88	60.96
13	60.96	66.04
14	66.04	71.12
15	71.12	76.20
16	76.20	81.28
17	81.28	86.36
18	86.36	91.44
19	91.44	96.52
20	96.52	101.60

Unit:mm



# A5081 SERIES

5.08mm Pitch Wire to Board Connector

## A5081WR

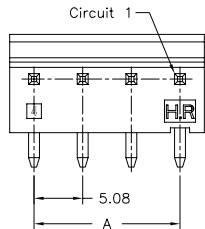
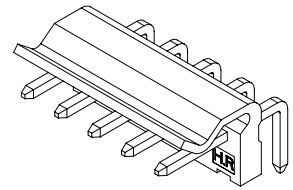
5.08mm Pitch 90° Wafer

### Reference Information:

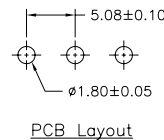
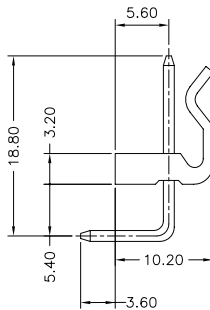
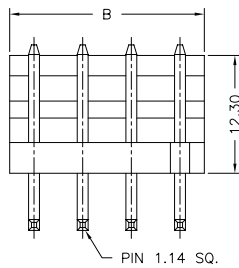
\*Material: Pin: Copper Alloy

Wafer: Thermoplastic

\*Mates with H.R A5081 Series Housing



A5081WR-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	5.08	10.16
03	10.16	15.24
04	15.24	20.32
05	20.32	25.40
06	25.40	30.48
07	30.48	35.56
08	35.56	40.64
09	40.64	45.72
10	45.72	50.80
11	50.80	55.88
12	55.88	60.96
13	60.96	66.04
14	66.04	71.12
15	71.12	76.20
16	76.20	81.28
17	81.28	86.36
18	86.36	91.44
19	91.44	96.52
20	96.52	101.60

Unit:mm

A  
B  
C  
F

## A5081WVA

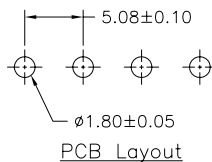
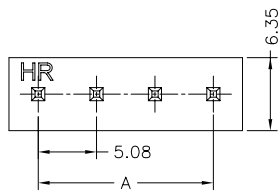
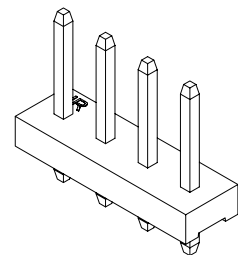
5.08mm Pitch 180° Wafer

### Reference Information:

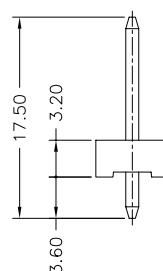
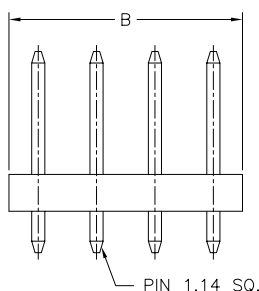
\*Material: Pin: Copper Alloy

Wafer: Thermoplastic

\*Mates with H.R A5081 Series Housing



A5081WVA-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	5.08	10.16
03	10.16	15.24
04	15.24	20.32
05	20.32	25.40
06	25.40	30.48
07	30.48	35.56
08	35.56	40.64
09	40.64	45.72

Unit:mm



# A5081 SERIES

5.08mm Pitch Wire to Board Connector

## A5081WRA

5.08mm Pitch 90° Wafer

### Reference Information:

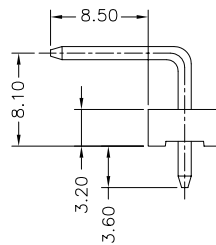
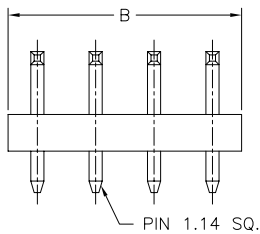
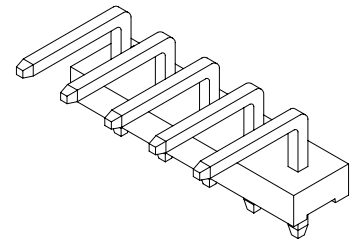
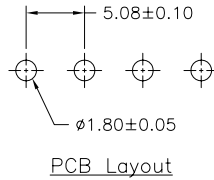
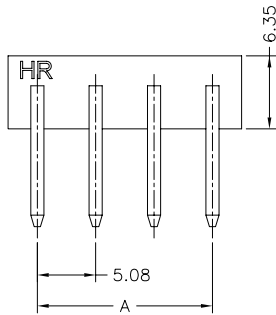
\*Material: Pin: Copper Alloy

Wafer: Thermoplastic

\*Mates with H.R A5081 Series Housing

A5081WRA-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							

A  
B  
C  
F



Dimensions:

Circuit No.	Dimensions	
	A	B
02	5.08	10.16
03	10.16	15.24
04	15.24	20.32
05	20.32	25.40
06	25.40	30.48
07	30.48	35.56
08	35.56	40.64
09	40.64	45.72

Unit:mm

## A5081WVB

5.08mm Pitch 180° Wafer

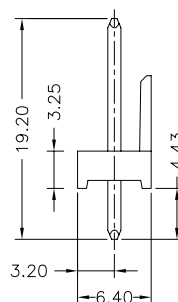
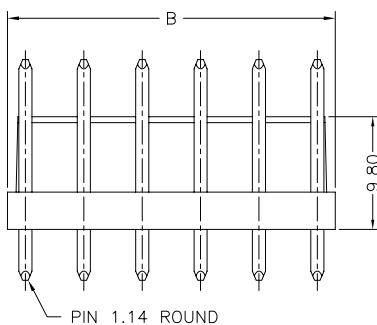
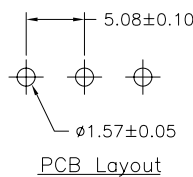
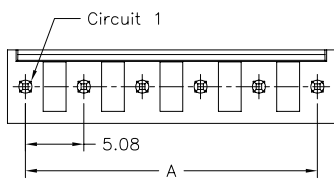
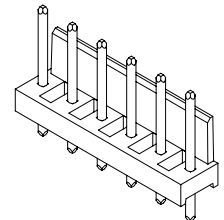
### Reference Information:

\*Material: Pin: Copper Alloy

Wafer: Thermoplastic

\*Mates with H.R A5081 Type 2 Series Housing

A5081WVB-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	5.08	8.20
03	10.16	13.28
04	15.24	18.36
05	20.32	23.44
06	25.40	28.52
07	30.48	33.60
08	35.56	38.68
09	40.64	43.76
10	45.72	48.84
11	50.80	53.92
12	55.88	59.00
13	60.96	64.08
14	66.04	69.16
15	71.12	74.24
16	76.20	79.32
17	81.28	84.40
18	86.36	89.48
19	91.44	94.56
20	96.52	99.64

Unit:mm