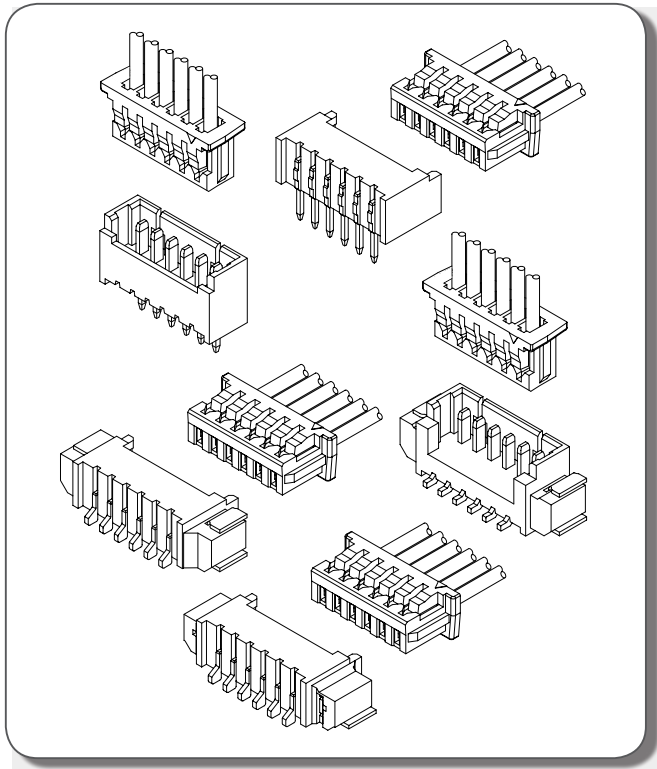




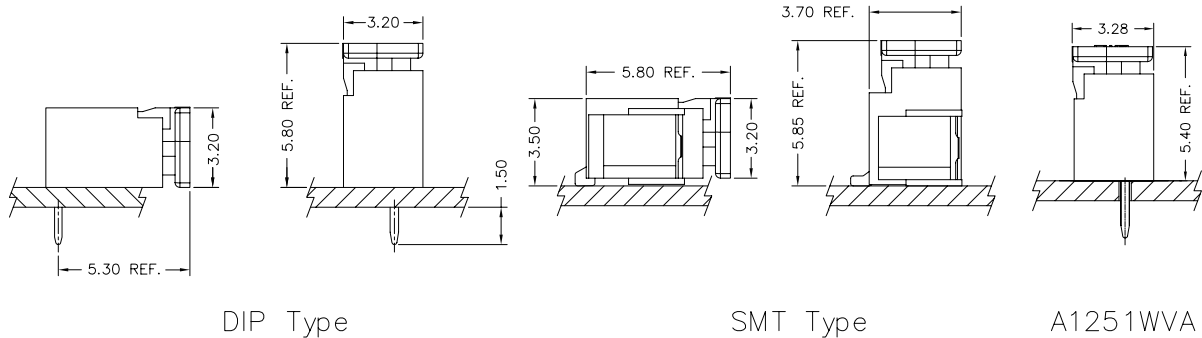
Specifications

Current Rating: 0.8A~1A AC,DC(Per Pin)
Voltage Rating: 125V AC,DC(Per Pin)
Temperature Range: -25°C ~ +85°C
Contact Resistance: 20mΩ Max.
Insulation Resistance: 100MΩ Min.
Withstanding Voltage: 500V AC/minute

A
B
C
F

Standards

Assembly Layout



Ordering Code

① ② ③ ④ ⑤
A1251-X X X-X

- ① Series No.
- ② Plating Code: T=Tin-Plated, G=Gold-Plated
- ③ Material: P=Phosphor Bronze
- ④ E=Stamping Before Plating
- ⑤ Option Code: (Refer to Drawings)

① ② ③
A1251 X-XP

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

① ② ③ ④ ⑤
A1251 XX X-X-XP

- ① Series No.
- ② Connector Type: WV=Vertical, WR=Right Angle
- ③ Blank=Normal Type, A=A Type, B=B Type,
- ④ Mounting Type: Blank=Through Hole, S=SMT
- ⑤ No. of Circuits



A1251 SERIES

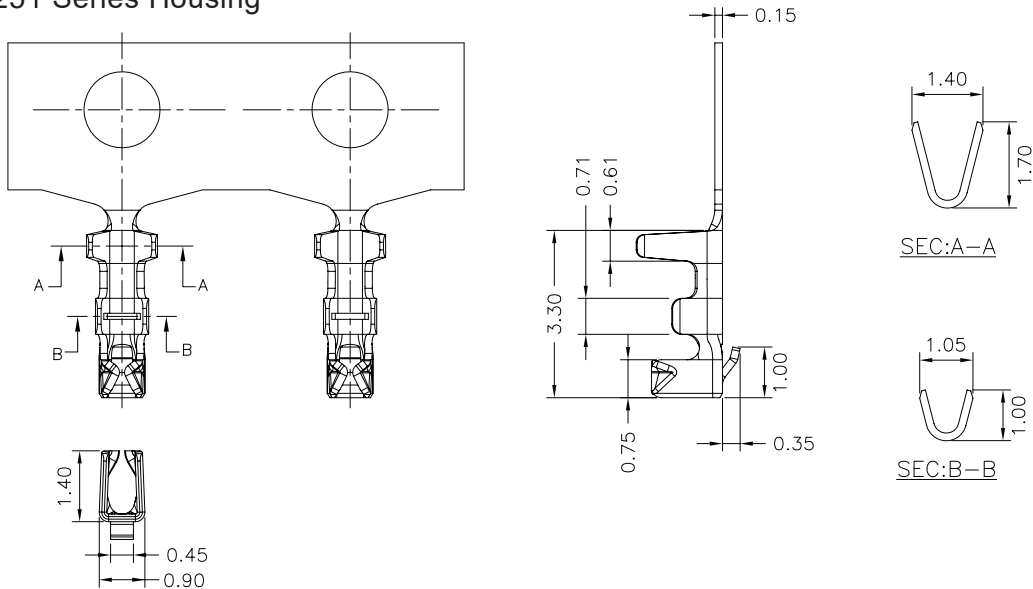
1.25mm Pitch Wire to Board Connector

A 1251-XXX

— 1.25mm Pitch Crimp Terminal —

Reference Information:

*Used in A1251 Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
A1251-TPE-A	AWG#28-#32	1.00mm(Max)	Phosphor Bronze	Tin-Plated	15,000Pcs
A1251-TPE-A	AWG#28-#32	1.00mm(Max)	Phosphor Bronze	Gold-Plated	15,000Pcs

Note:E-Stamping Before Plated

A 1251 H

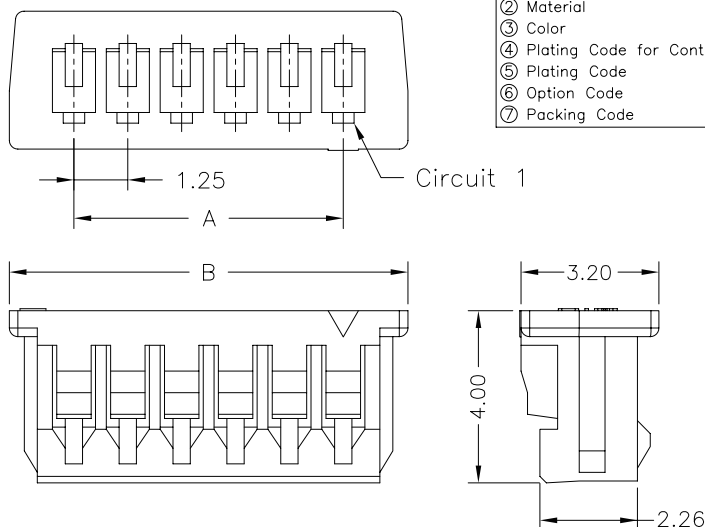
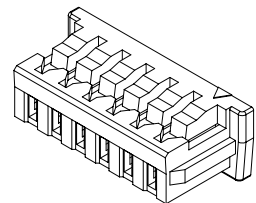
— 1.25mm Pitch Housing —

Reference Information:

*Material: Thermoplastic

*Suitable A1251 Series Terminal

*Mates with A1251 Series Wafer



A1251H-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	1.25	4.25
03	2.50	5.50
04	3.75	6.75
05	5.00	8.00
06	6.25	9.25
07	7.50	10.50
08	8.75	11.75
09	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50
16	18.75	21.75
17	20.00	23.00
18	21.25	24.25
19	22.50	25.50
20	23.75	26.75

Unit:mm



A1251 SERIES

1.25mm Pitch Wire to Board Connector

A1251WV

— 1.25mm Pitch 180° Wafer —

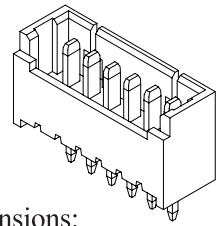
Reference Information:

*Material: Pin: Copper Alloy

Wafer: Thermoplastic

*Mates with A1251 Series Housing

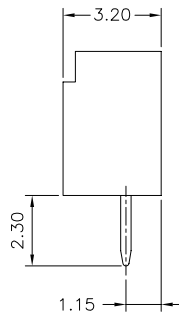
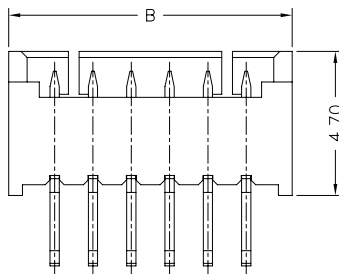
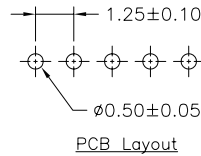
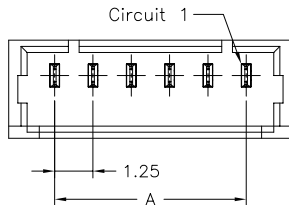
A1251WV-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	1.25	4.25
03	2.50	5.50
04	3.75	6.75
05	5.00	8.00
06	6.25	9.25
07	7.50	10.50
08	8.75	11.75
09	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50
16	18.75	21.75
17	20.00	23.00
18	21.25	24.25

Unit:mm



A1251WR

— 1.25mm Pitch 90° Wafer —

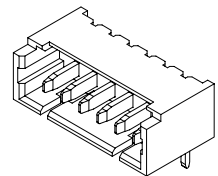
Reference Information:

*Material: Pin: Copper Alloy

Wafer: Thermoplastic

*Mates with A1251 Series Housing

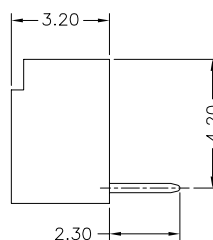
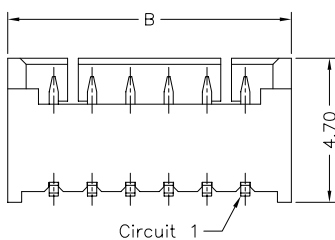
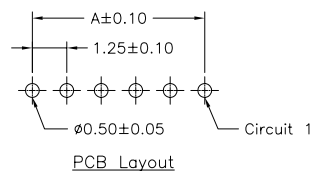
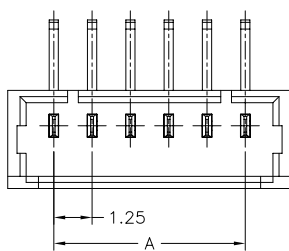
A1251WR-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	1.25	4.25
03	2.50	5.50
04	3.75	6.75
05	5.00	8.00
06	6.25	9.25
07	7.50	10.50
08	8.75	11.75
09	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50
16	18.75	21.75
17	20.00	23.00
18	21.25	24.25

Unit:mm





A1251 SERIES

1.25mm Pitch Wire to Board Connector

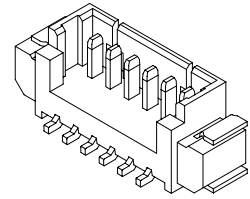
A1251WV-S

— 1.25mm Pitch 180° Wafer - SMT Type —

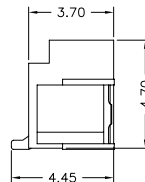
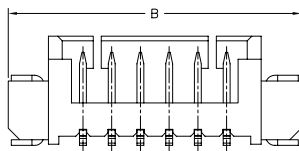
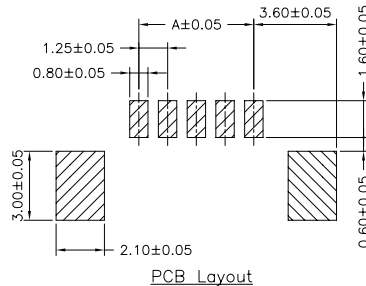
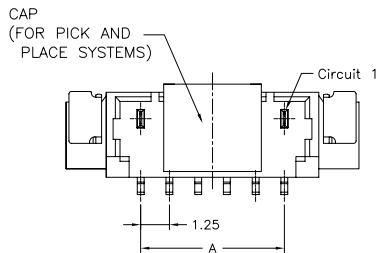
Reference Information:

- *Material: Pin: Copper Alloy
Solder Tabs: Copper Alloy
Wafer: Thermoplastic
Cap: Thermoplastic
- *Mates with A1251 Series Housing

A1251WV-S-XP						
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	1.25	7.75
03	2.50	9.00
04	3.75	10.25
05	5.00	11.50
06	6.25	12.75
07	7.50	14.00
08	8.75	15.25
09	10.00	16.50
10	11.25	17.75
11	12.50	19.00
12	13.75	20.25
13	15.00	21.50
14	16.25	22.75
15	17.50	24.00
16	18.75	25.25
17	20.00	26.50
18	21.25	27.75

Unit:mm

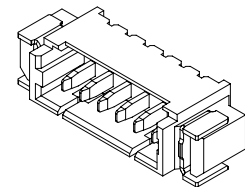
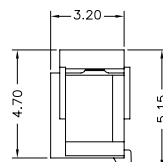
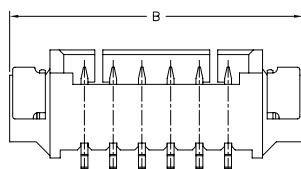
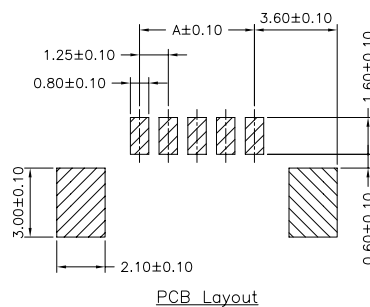
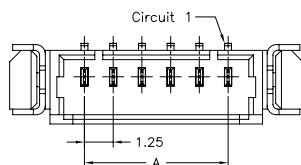
A1251WR-S

— 1.25mm Pitch 90° Wafer - SMT Type —

Reference Information:

- *Material: Pin: Copper Alloy
Solder Tabs: Copper Alloy
Wafer: Thermoplastic
- *Mates with A1251 Series Housing

A1251WR-S-XP						
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	1.25	7.75
03	2.50	9.00
04	3.75	10.25
05	5.00	11.50
06	6.25	12.75
07	7.50	14.00
08	8.75	15.25
09	10.00	16.50
10	11.25	17.75
11	12.50	19.00
12	13.75	20.25
13	15.00	21.50
14	16.25	22.75
15	17.50	24.00
16	18.75	25.25
17	20.00	26.50
18	21.25	27.75

Unit:mm



A1251 SERIES

1.25mm Pitch Wire to Board Connector

A1251WVA

1.25mm Pitch 180° Wafer

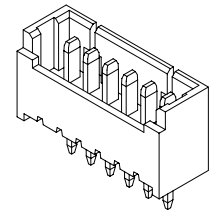
Reference Information:

*Material: Pin: Copper Alloy

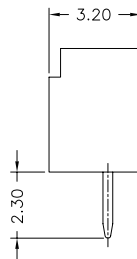
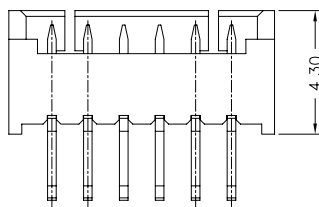
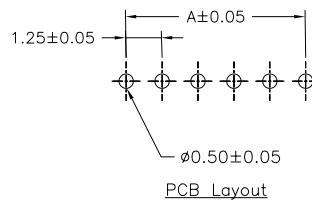
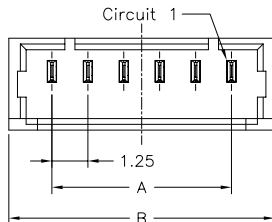
Wafer: Thermoplastic

*Mates with A1251 Series Housing

A1251WVA-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	1.25	4.25
03	2.50	5.50
04	3.75	6.75
05	5.00	8.00
06	6.25	9.25
07	7.50	10.50
08	8.75	11.75
09	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50
16	18.75	21.75
17	20.00	23.00
18	21.25	24.25

Unit:mm

A1251WRA-S

1.25mm Pitch 90° Wafer - SMT Type

Reference Information:

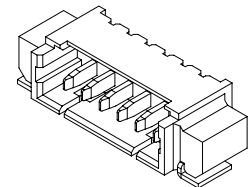
*Material: Pin: Copper Alloy

Solder Tabs: Copper Alloy

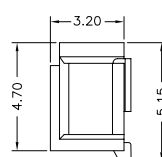
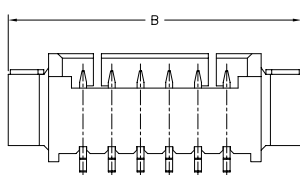
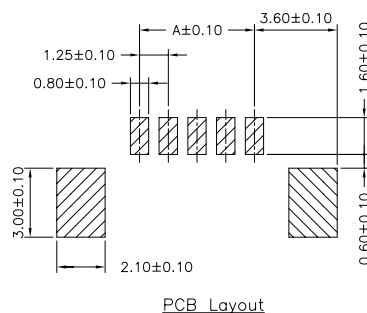
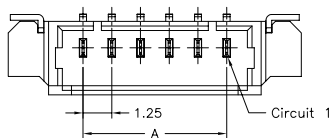
Wafer: Thermoplastic

*Mates with A1251 Series Housing

A1251WRA-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
02	1.25	7.75
03	2.50	9.00
04	3.75	10.25
05	5.00	11.50
06	6.25	12.75
07	7.50	14.00
08	8.75	15.25
09	10.00	16.50
10	11.25	17.75
11	12.50	19.00
12	13.75	20.25
13	15.00	21.50
14	16.25	22.75
15	17.50	24.00
16	18.75	25.25
17	20.00	26.50
18	21.25	27.75

Unit:mm



A1251 SERIES

1.25mm Pitch Wire to Board Connector

A1251WVB-S

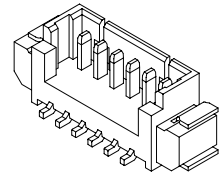
— 1.25mm Pitch 180° Wafer - SMT Type —

Reference Information:

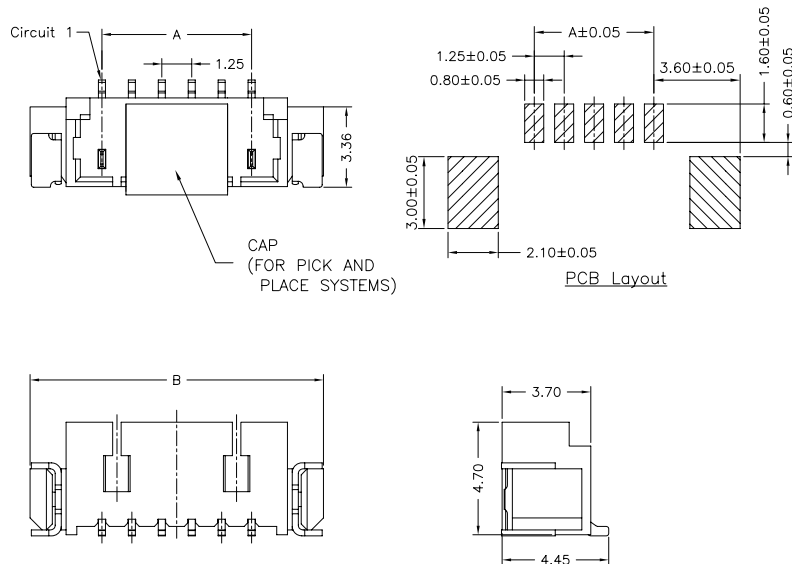
*Material: Pin: Copper Alloy
Solder Tabs: Copper Alloy
Wafer: Thermoplastic
Cap: Thermoplastic

*Mates with A1251 Series Housing

A1251WVB-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
02	1.25	7.25
03	2.50	8.50
04	3.75	9.75
05	5.00	11.00
06	6.25	12.25
07	7.50	13.50
08	8.75	14.75
09	10.00	16.00
10	11.25	17.25
11	12.50	18.50
12	13.75	19.75
13	15.00	21.00
14	16.25	22.25
15	17.50	23.50
16	18.75	24.75
17	20.00	26.00
18	21.25	27.25

Unit:mm

A1251WRB-S

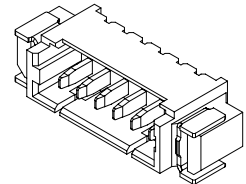
— 1.25mm Pitch 90° Wafer - SMT Type —

Reference Information:

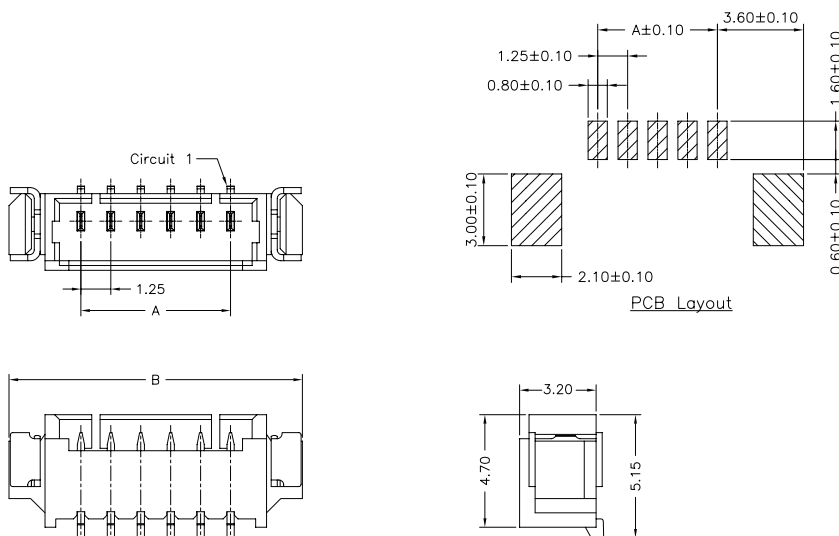
*Material: Pin: Copper Alloy
Solder Tabs: Copper Alloy
Wafer: Thermoplastic

*Mates with A1251 Series Housing

A1251WRB-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
02	1.25	7.25
03	2.50	8.50
04	3.75	9.75
05	5.00	11.00
06	6.25	12.25
07	7.50	13.50
08	8.75	14.75
09	10.00	16.00
10	11.25	17.25
11	12.50	18.50
12	13.75	19.75
13	15.00	21.00
14	16.25	22.25
15	17.50	23.50
16	18.75	24.75
17	20.00	26.00
18	21.25	27.25

Unit:mm