

Board To Wire & Wire To Wire Connectors

- | | |
|-----------|---------------------------------|
| 3-92 | • Housing Wafer Terminal 4.14mm |
| 3-93~3-97 | • Housing Wafer Terminal 4.2mm |
| 3-98 | • Housing Wafer Terminal 4.5mm |



AMTEK Technology Co., Ltd

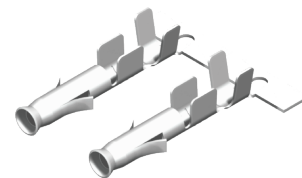
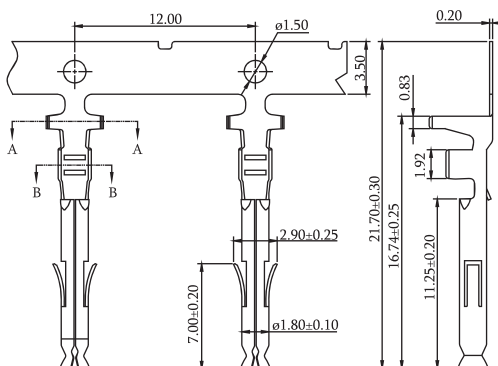
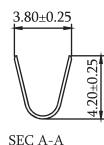
4.14mm 4140 Series Female & Male Terminal / Female & Male Housing

Specifications

Current Rating: 9A AC, DC
Voltage Rating: 600V AC, DC
Temperature Range: -40°C to +105°C
Contact Resistance: 7mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1500V AC/minute

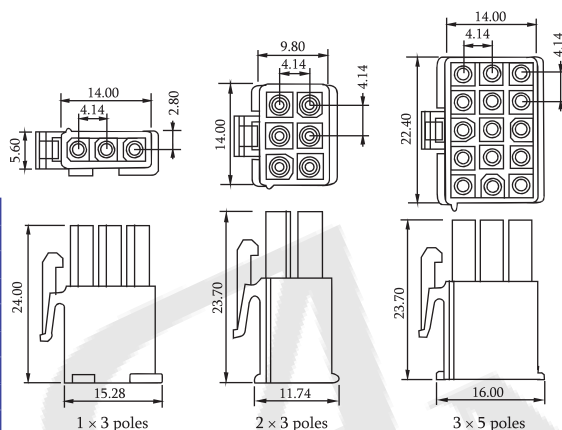
Material

Housing: Nylon 66, UL 94V-0

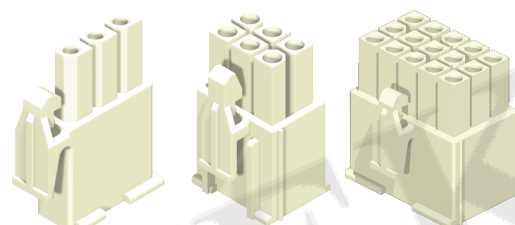


Wire Range	Insulation O.D.	Material	Finish
#18-#22	2.40mm(Max)	Brass	Tin Plated

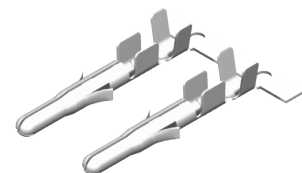
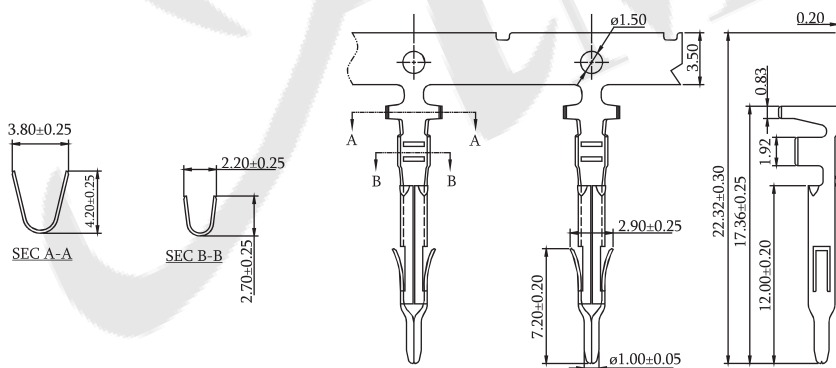
P/N.:5T4140F-BT0R*01
Optional



No. of Contacts
1x01
1x02
1x03
2x02
2x03
3x03
3x04
3x05

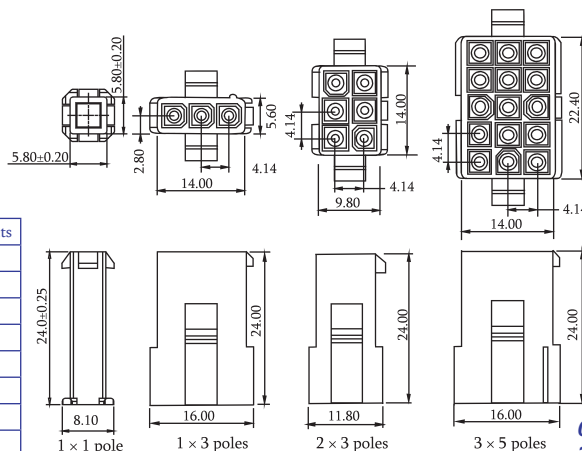


P/N.:5H4140M0-XXXWBL00*01
1:1 Row 2:2 Rows 3:3 Rows Optional

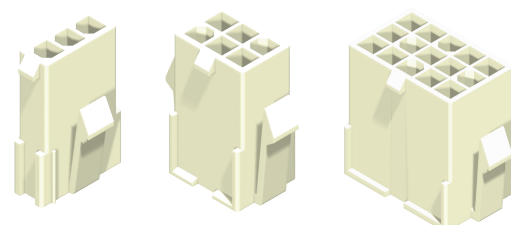


Wire Range	Insulation O.D.	Material	Finish
#18-#22	2.40mm(Max)	Brass	Tin Plated

P/N.:5T4140M-XXXXR*01
B:Brass P:Phosphor Bronze
T0: Tin Plated G0:Gold Flash Optional



No. of Contacts
1x01
1x02
1x03
2x02
2x03
3x03
3x04
3x05



P/N.:5H4140FX-XXXWBL00*01
0: W/O Ear W/O Post(1x1P Only) 1: With Ear With Post
1:1 Row 2:2 Rows 3:3 Rows Optional

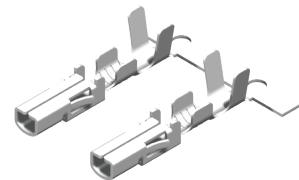
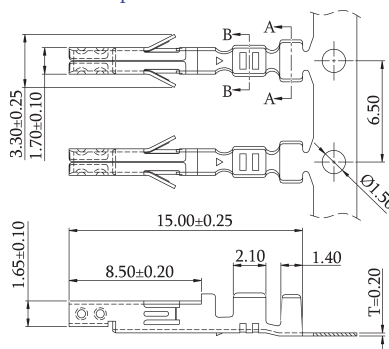
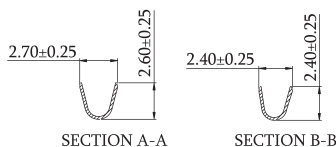
4.2mm 4200 Series Female Terminal / Housing / Crimp Male Housing

Specifications

Current Rating: 7A AC/DC
Voltage Rating: 600V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20mΩ Max.
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1500V AC/minute
Wire Range: AWG20~24

Material

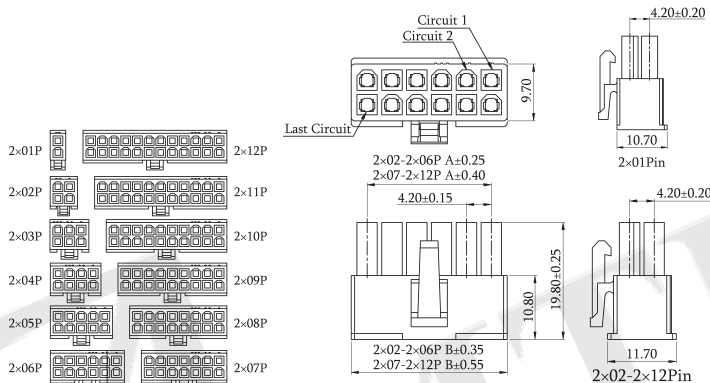
Housing: Nylon 66, UL 94V-2 or UL 94V-0
Terminal: Phosphor Bronze or Brass / Tin Plated



P/N.:5T4200F-XT0R*01

B:Brass P:Phosphor Bronze Optional

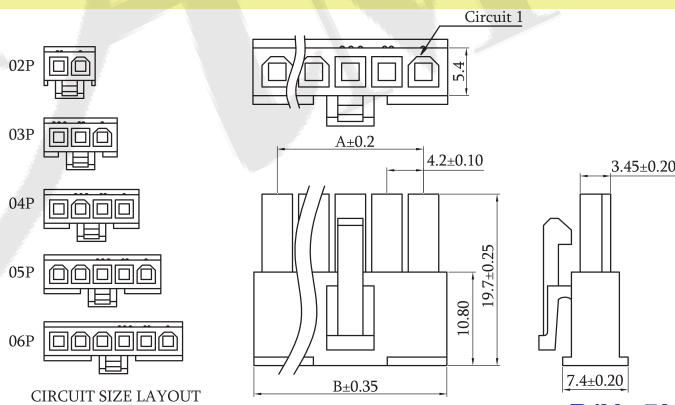
No. of Contacts	Dimensions	
	A	B
2×01	---	5.60
2×02	4.20	9.80
2×03	8.40	14.00
2×04	12.60	18.20
2×05	16.80	22.40
2×06	21.00	26.60
2×07	25.20	30.80
2×08	29.40	35.00
2×09	33.60	39.20
2×10	37.80	43.40
2×11	42.00	47.60
2×12	46.20	51.80



P/N.:5H4200F0-2XXWBL00*XX

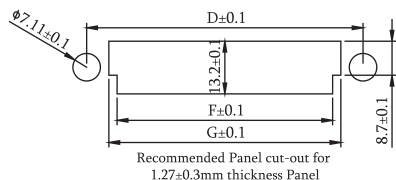
Optional 01:UL94V-2 02:UL94V-0

No. of Contacts	Dimensions	
	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20
06	21.00	26.40

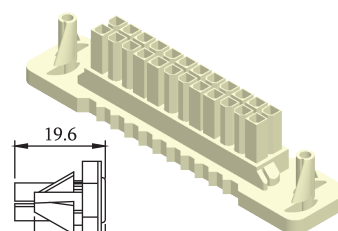
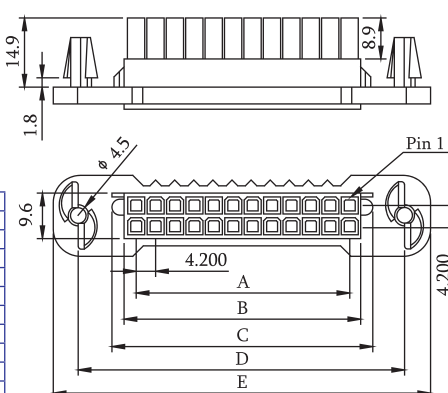


P/N.:5H4200F0-1XXWBL00*0X

Optional 01:UL94V-2 02:UL94V-0



No. of Contacts	Dimensions						
	A	B	C	D	E	F	G
2×01	---	5.4	10.1	25.0	36.0	8.7	13.4
2×02	4.2	9.6	14.3	29.2	40.2	12.9	17.6
2×03	8.4	13.8	18.5	33.4	44.4	17.1	21.8
2×04	12.6	18.0	22.7	37.6	48.6	21.3	26.0
2×05	16.8	22.2	26.9	41.8	52.8	25.5	30.2
2×06	21.0	26.4	31.1	46.0	57.0	29.7	34.4
2×07	25.2	30.6	35.3	50.2	61.2	33.9	38.6
2×08	29.4	34.8	39.5	54.4	65.4	38.1	42.8
2×09	33.6	39.0	43.7	58.6	69.6	42.3	47.0
2×10	37.8	43.2	47.9	62.8	73.8	46.5	51.2
2×11	42.0	47.4	52.1	67.0	78.0	50.7	55.4
2×12	46.2	51.6	56.3	71.2	82.2	54.9	59.6



P/N.:5H4200F1-2XXWBL00*01

Optional

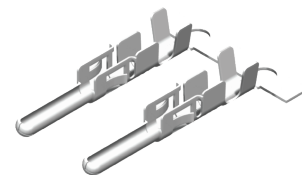
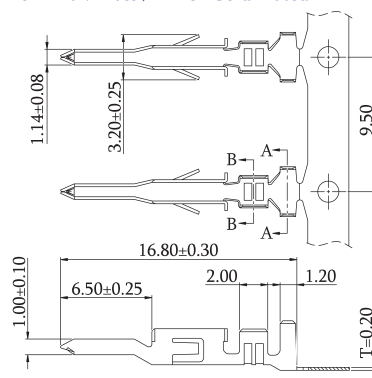
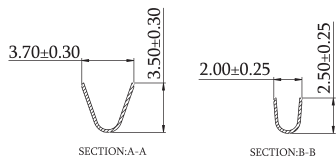
4.2mm 4200 Series Male Terminal / Female Housing / Crimp Female Housing

Specifications

Current Rating: 7A AC/DC
Voltage Rating: 600V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20mΩ Max.
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1500V AC/minute
Wire Range: AWG20~24

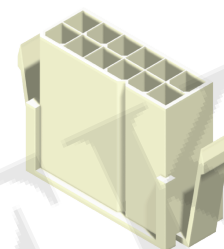
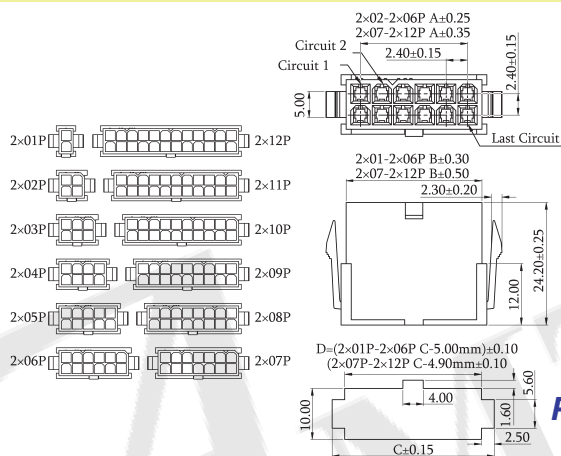
Material

Housing: Nylon 66, UL 94V-2
Terminal: Brass / Tin or Gold Plated

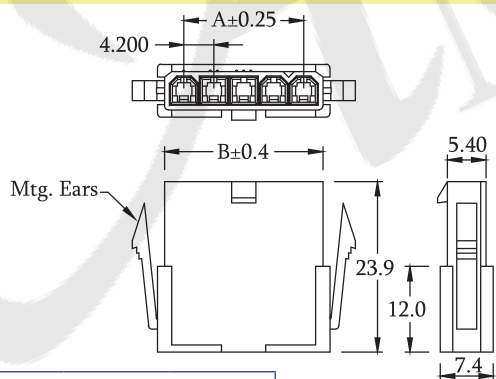


P/N.:5T4200M-BT0R*01
Optional—J

No. of Contacts	Dimensions		
	A	B	C
2×01	---	5.60	10.80
2×02	4.20	9.80	15.00
2×03	8.40	14.00	19.20
2×04	12.60	18.20	23.40
2×05	16.80	22.40	27.60
2×06	21.00	26.60	31.80
2×07	25.20	30.80	36.00
2×08	29.40	35.00	40.20
2×09	33.60	39.20	44.40
2×10	37.80	43.40	48.60
2×11	42.00	47.60	52.80
2×12	46.20	51.80	57.00

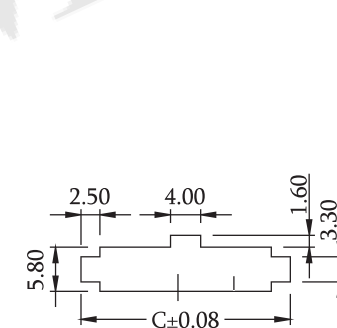


P/N.:5H4200M0-2XXWBL00*XX
Optional ☒ ☐
01:UL94V-2 02:UL94V-0



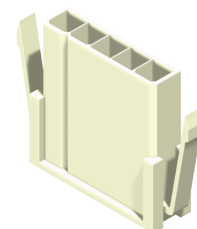
※N=2~12

No. of Contacts	Dimensions		
	A	B	C
N	$4.2 \times (N-1)$	$4.2 \times N + 1.2$	$4.2 \times N + 6.6$

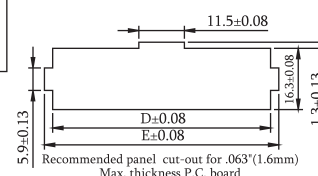
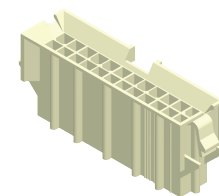
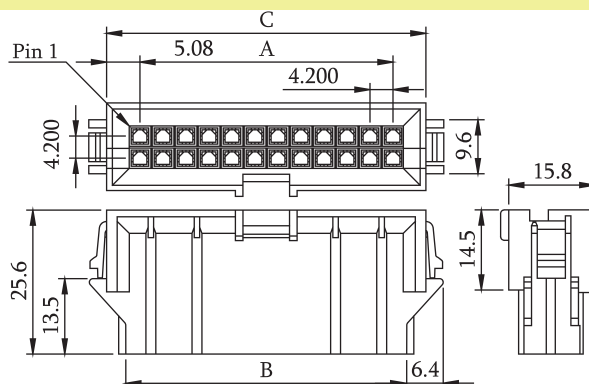


Recommended panel cut-out for .063"(1.6mm)
Max. thickness P.C. board

P/N.:5H4200M0-1XXWBL00*01
Optional 



No. of Contacts	Dimensions				
	A	B	C	D	E
2×01	---	5.4	11.6	12.1	15.0
2×02	4.2	9.6	15.8	16.3	19.8
2×03	8.4	13.8	20.0	20.5	24.0
2×04	12.6	18.0	24.2	24.7	28.2
2×05	16.8	22.2	28.4	28.9	32.4
2×06	21.0	26.4	32.6	33.1	36.6
2×07	25.2	30.6	36.8	37.3	40.8
2×08	29.4	34.8	41.0	41.5	45.0
2×09	33.6	39.0	45.2	45.7	49.2
2×10	37.8	43.2	49.4	49.9	53.4
2×11	42.0	47.4	53.6	54.1	57.6
2×12	46.2	51.6	57.8	58.3	61.8



P/N.:5H4200M1-2XXWBL00*0X
Optional
01:UL 94V-2 02:UL 94V-0

4.2mm 4200 Series Wafer Square Pin Right Angle / Straight Type

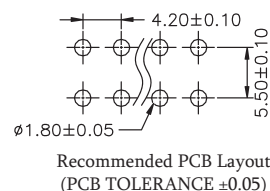
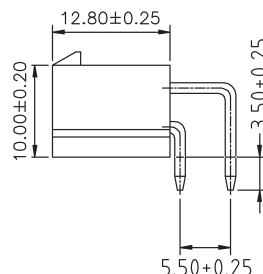
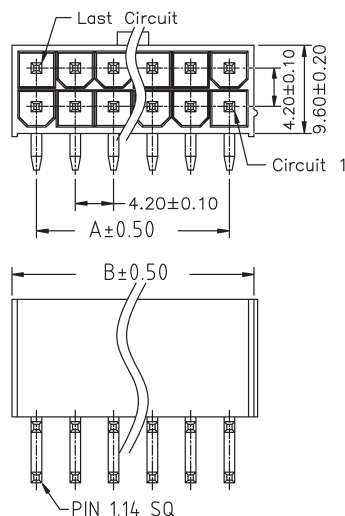
Specifications

Current Rating: 7A AC/DC
Voltage Rating: 600V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20mΩ Max.
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1500V AC/minute

Material

Housing: Nylon 66, UL 94V-2 or UL 94V-0
Terminal: Brass / Tin Plated

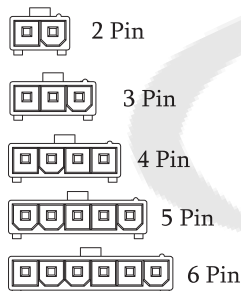
No. of Contacts	Dimensions	
	A	B
01	---	5.60
02	4.20	9.80
03	8.40	14.00
04	12.60	18.20
05	16.80	22.45
06	21.00	26.75
07	25.20	31.00
08	29.40	35.20
09	33.60	39.40
10	37.80	43.50
11	42.00	47.80
12	46.20	52.20



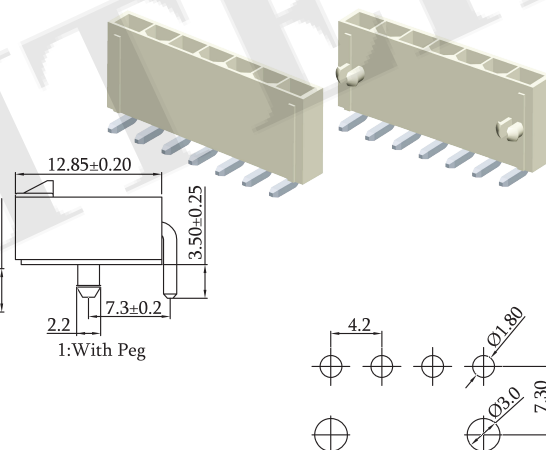
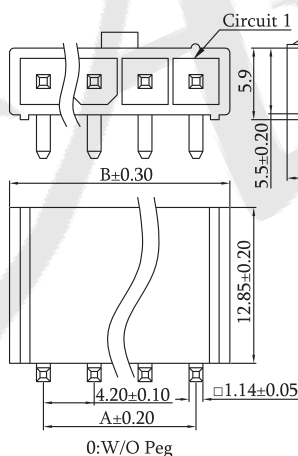
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W4200L0-2XXXT0WXL*0X

A:Tray, W/O Cap B:Bag H:T/R, W/O Cap Optional
01:UL94V-2 02:UL94V-0

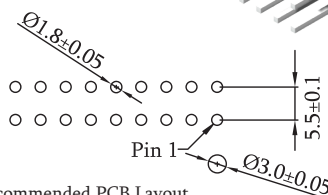
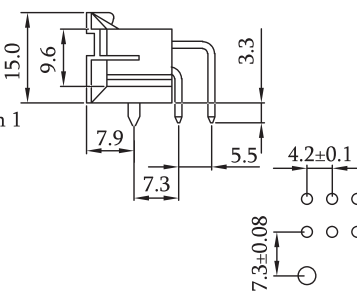
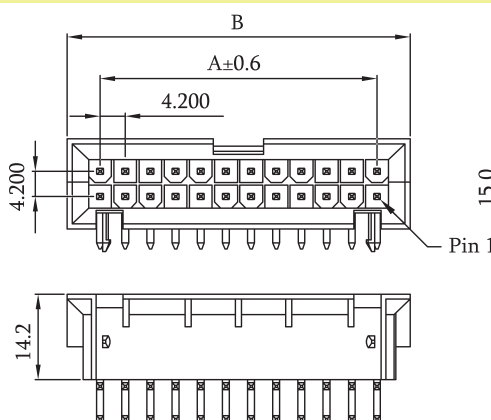


No. of Contacts	Dimensions	
	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20
06	21.00	26.40



P/N.:5W4200LX-1XXXXWBL*0X

0:W/O Peg 1:With Peg Optional
T0: Tin Plated G0: Gold Flash
01:UL94V-2 02:UL94V-0



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W4200L3-2XXXT0WAL*01
Optional

4.2mm 4200 Series Wafer Square Pin Right Angle / Straight Type

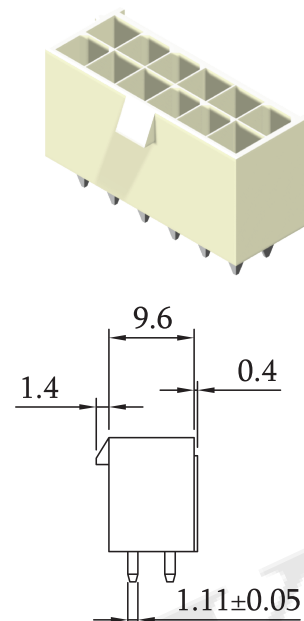
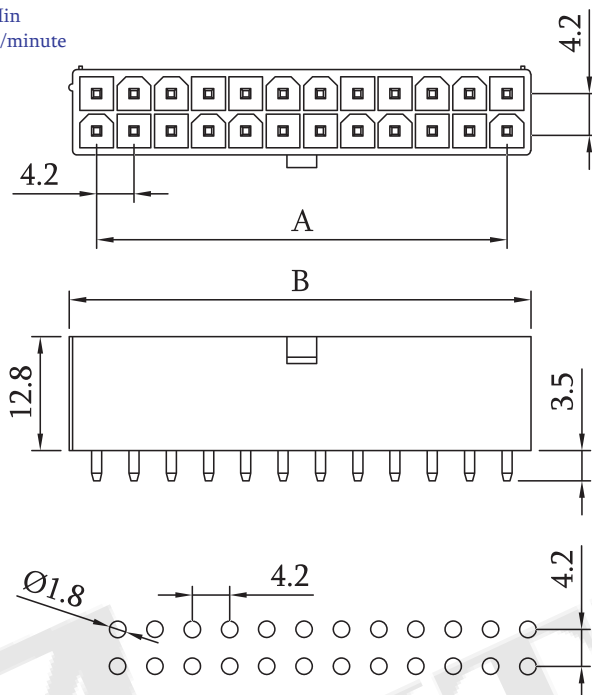
Specifications

Current Rating: 7A AC/DC
Voltage Rating: 600V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20mΩ Max.
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1500V AC/minute

Material

Housing: Nylon 66, UL 94V-0
Terminal: Brass / Tin Plated

No. of Contacts	Dimensions	
	A	B
2×01	---	5.40
2×02	4.20	9.60
2×03	8.40	13.80
2×04	12.60	18.00
2×05	16.80	22.20
2×06	21.00	26.40
2×07	25.20	30.60
2×08	29.40	34.80
2×09	33.60	39.00
2×10	37.80	43.20
2×11	42.00	47.40
2×12	46.20	51.60

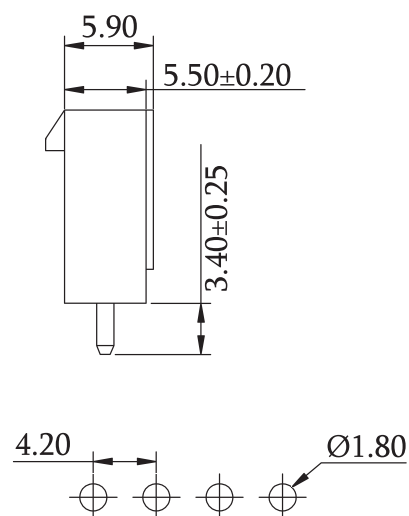
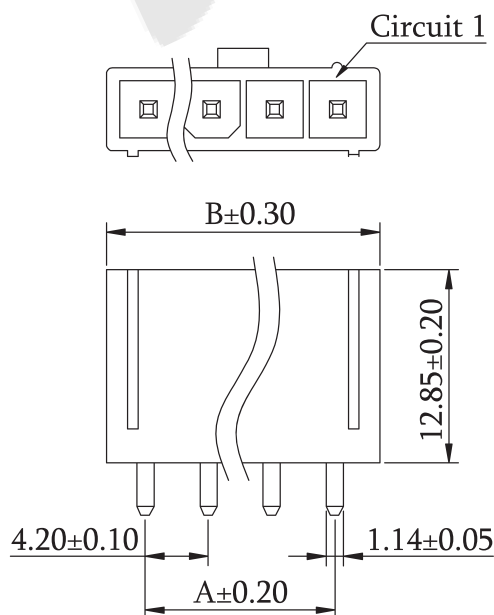


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W4200K0-2XXT0WXL*01

A:Tray W/O Cap(2x3-2x12 pin) B:Bag ^TOptional

No. of Contacts	Dimensions	
	A	B
02	4.20	9.80
03	8.40	14.00
04	12.60	18.20
05	16.80	22.40
06	21.00	26.60
07	25.20	30.80
08	29.40	35.00
09	33.60	39.20
10	37.80	43.40
11	42.00	47.60
12	46.00	51.80



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W4200K0-1XXXXWBL*01

T0:Tin Plated G0:Gold Flash ^TOptional

4.2mm 4200 Series Wafer Stamping Straight Type

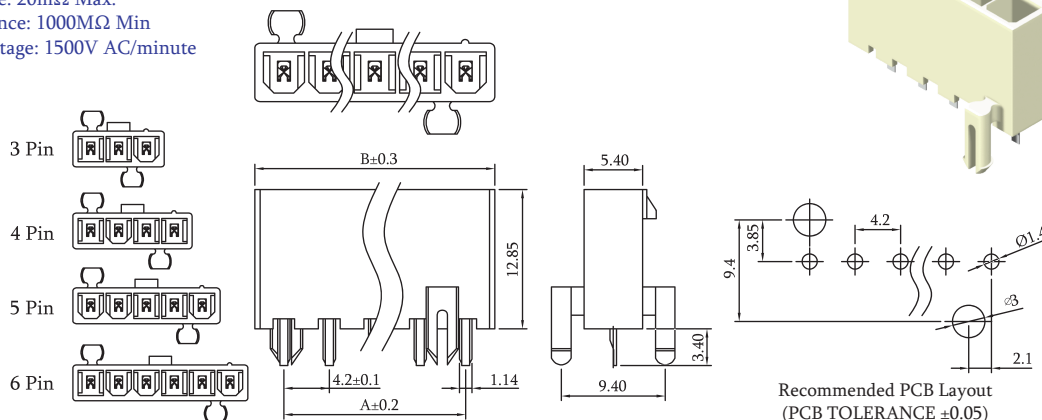
Specifications

Current Rating: 7A AC/DC
Voltage Rating: 600V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20mΩ Max.
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1500V AC/minute

Material

Housing: Nylon 66, UL 94V-0
Terminal: Brass / Tin Plated

No. of Contacts	Dimensions	
	A	B
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20
06	21.00	26.40

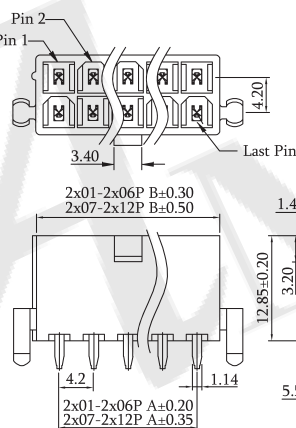


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W4200S1-1XXT0WAL*01
Optional

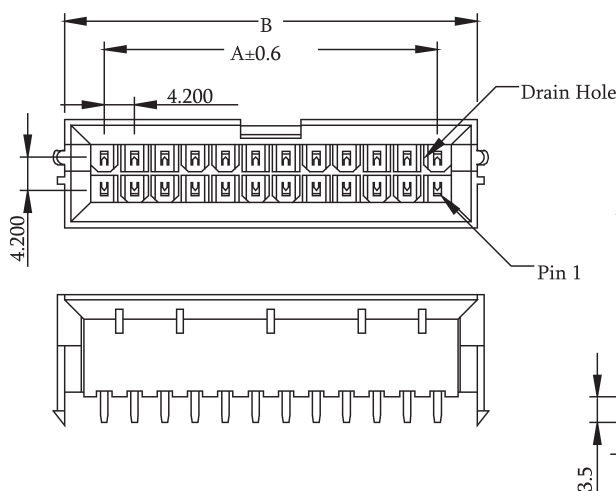
2x1 Pin		2x12 Pin
2x2 Pin		2x11 Pin
2x3 Pin		2x10 Pin
2x4 Pin		2x9 Pin
2x5 Pin		2x8 Pin
2x6 Pin		2x7 Pin

No. of Contacts	Dimensions	
	A	B
2x1	---	5.60
2x2	4.20	9.80
2x3	8.40	14.00
2x4	12.60	18.20
2x5	16.80	22.40
2x6	21.00	26.60
2x7	25.20	30.80
2x8	29.40	35.00
2x9	33.60	39.20
2x10	37.80	43.40
2x11	42.00	47.60
2x12	46.20	51.80

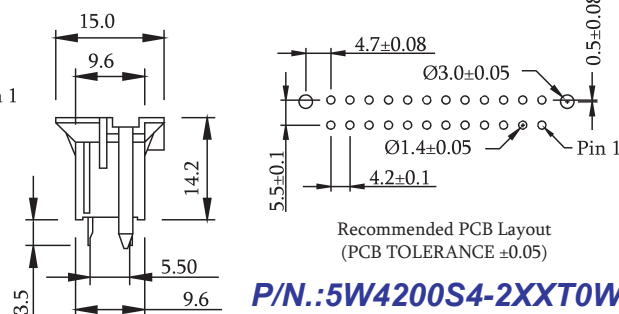


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W4200SX-2XXT0WXL*01
0:W/O Peg 1:With Peg
A:Tray, W/O Cap B:Bag
Optional



No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
04	4.20	15.50	16	29.40	41.00
06	8.40	19.70	18	33.60	45.20
08	12.60	23.90	20	37.80	49.50
10	16.80	28.20	22	42.00	53.70
12	21.00	32.40	24	46.20	57.90
14	25.20	36.60	---	---	---



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W4200S4-2XXT0WAL*01
Optional

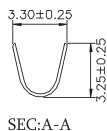
4.5mm 4500 Series Female & Male Terminal / Female & Male Housing

Specifications

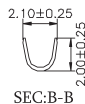
Current Rating: 5A AC, DC
Voltage Rating: 250V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1500V AC/minute

Material

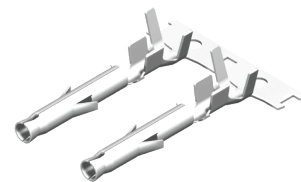
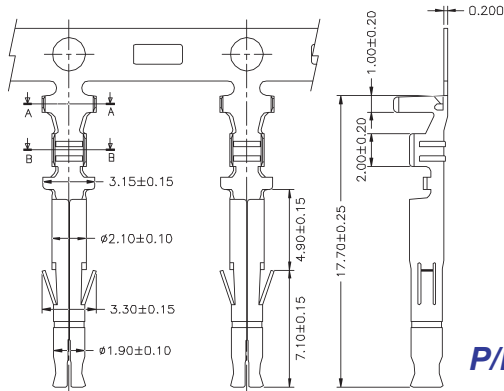
Housing: Nylon 66, UL 94V-0



SEC:A-A

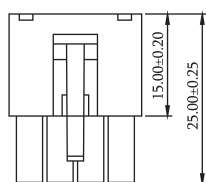


SEC:B-B

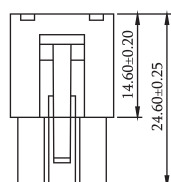


P/N.:5T4500F-BT0R*01
Optional

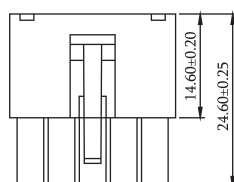
Wire Range	Insulation O.D.	Material	Finish
#20-#26	2.70mm(Max)	Brass	Tin Plated



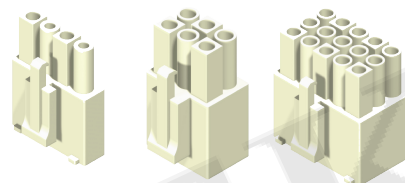
1 × 04



2 × 03

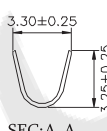


3 × 05

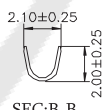


Part No.	No. of Contacts
5H4500F0-102	1×02
5H4500F0-103	1×03
5H4500F0-104	1×04
5H4500F0-202	2×02
5H4500F0-203	2×03
5H4500F0-303	3×03
5H4500F0-304	3×04
5H4500F0-305	3×05

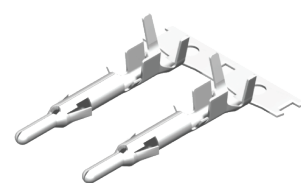
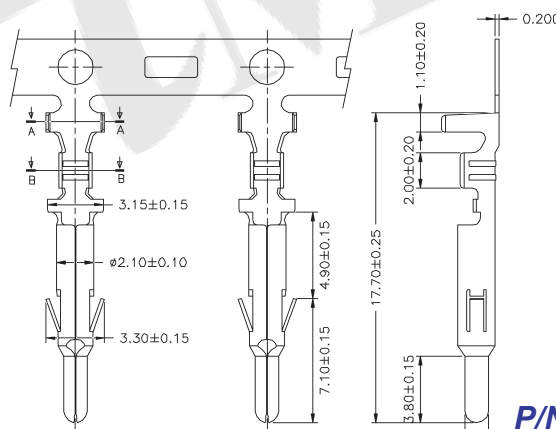
P/N.:5H4500F0-XXXWBL00*01
1:1 Row 2:2 Rows 3:3 Rows Optional



SEC:A-A

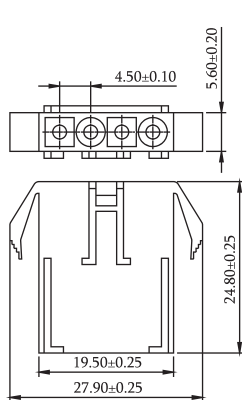


SEC:B-B

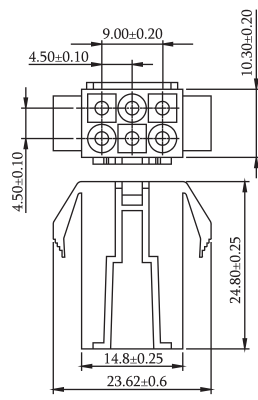


P/N.:5T4500M-BT0R*01
Optional

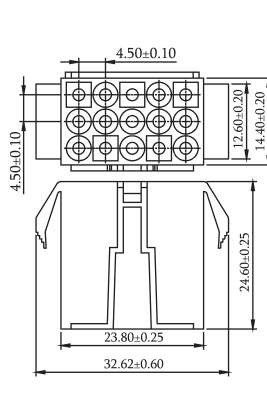
Wire Range	Insulation O.D.	Material	Finish
#20-#26	2.70mm(Max)	Brass	Tin Plated



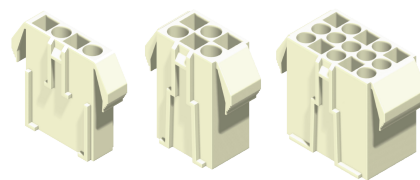
1 × 04 Ways



2 × 03 Ways



3 × 05 Ways



Part No.	No. of Contacts
5H4500M0-102	1×02
5H4500M0-103	1×03
5H4500M0-104	1×04
5H4500M0-202	2×02
5H4500M0-203	2×03
5H4500M0-303	3×03
5H4500M0-304	3×04
5H4500M0-305	3×05

P/N.:5H4500M0-XXXWBL00*01
1:1 Row 2:2 Rows 3:3 Rows Optional