

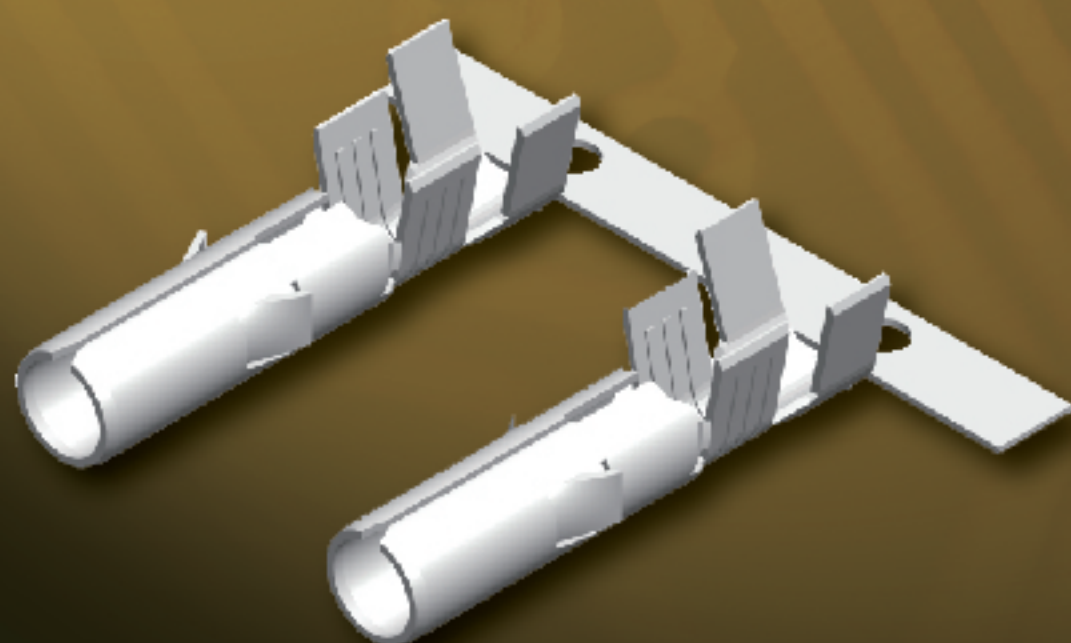
Board To Wire & Wire To Wire Connectors

3-121~3-123 • Housing Wafer Terminal 6.2mm

3-124~3-126 • Housing Wafer Terminal 6.35mm

3-127~3-129 • Housing Wafer Terminal 6.7mm

3-130 • Housing Wafer Terminal 8.38mm



AMTEK Technology Co., Ltd

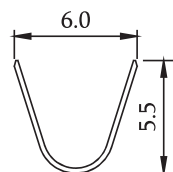
6.2mm 6201 Series Female Terminal / Female & Male Housing

Specifications

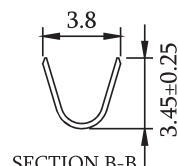
Current Rating: 20 A AC/DC
Insulator Resistance: 100MΩ Min.
Dielectric Voltage: 2000V AC for one minute
Operating temperature: -40°C to +105°C

Material

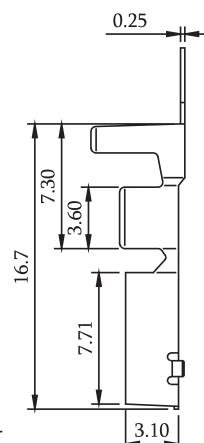
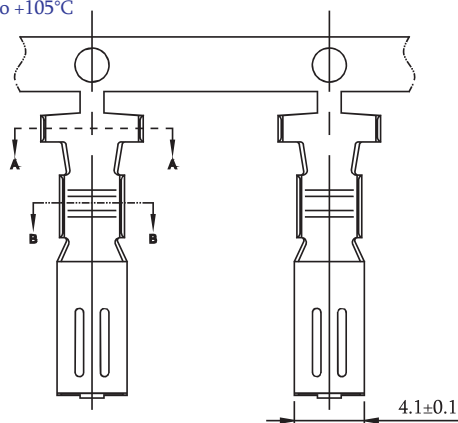
Housing: Nylon 66, UL 94V-0 or UL 94V-2



SECTION A-A



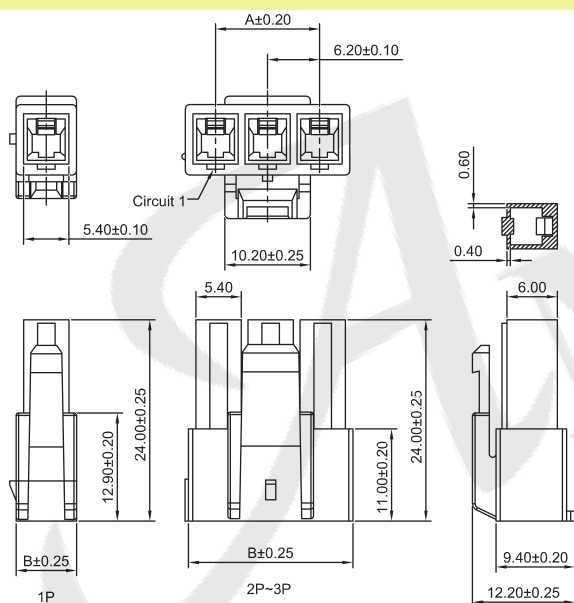
SECTION B-B



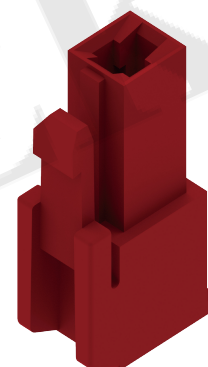
Wire Range	Insulation O.D.	Material
#14-#20	4.10mm(Max)	Phosphor Bronze

P/N.:5T6201F-PXXR*01

G0:Gold Flash T0:Tin Plated T Optional



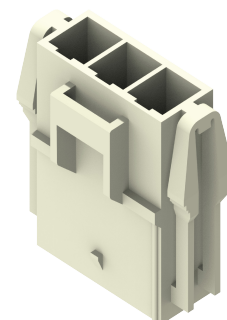
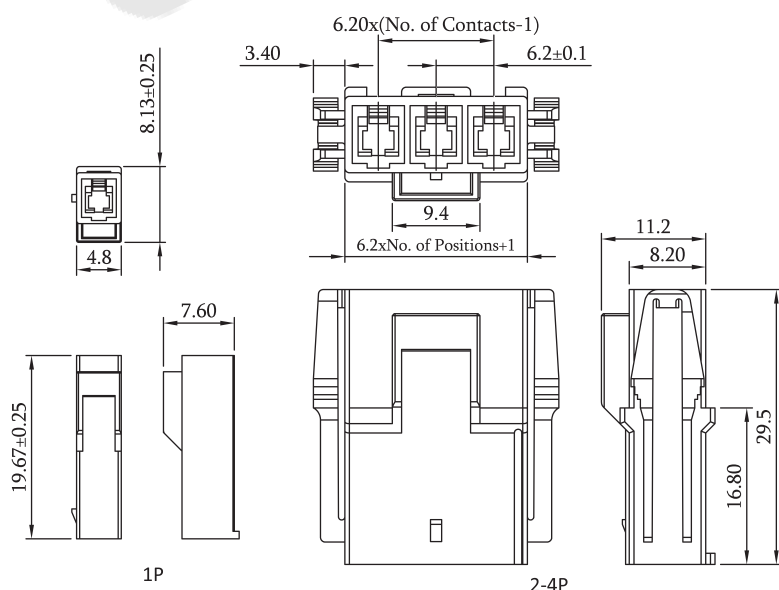
No. of Contacts	Dimensions	
	A	B
01	---	7.20
02	6.20	13.40
03	12.40	19.60
04	18.60	25.80



P/N.:5H6201F0-1XXXBL00*XX

T0:Tin Plated G0:Gold Flash T Optional

01:White or Red,UL94V-0 02:Nylon Natural,UL94V-2



P/N.:5H6201M0-1XXXBL00*XX

Optional T

01:White,UL94V-0 02:Nylon Natural,UL94V-2

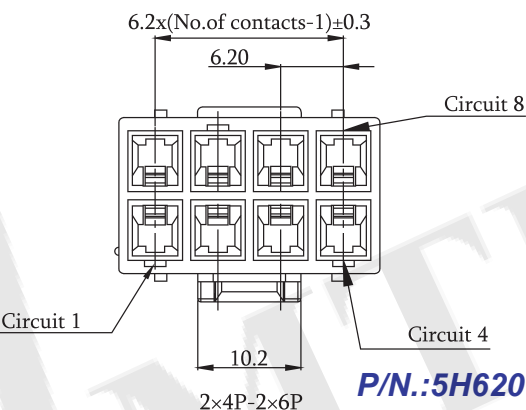
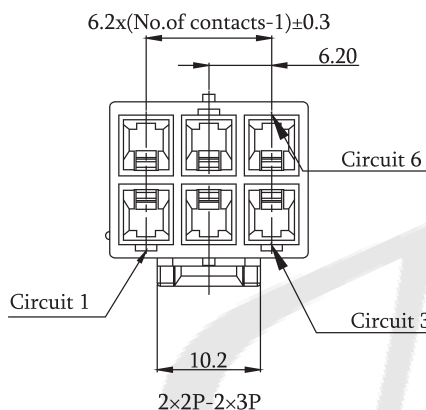
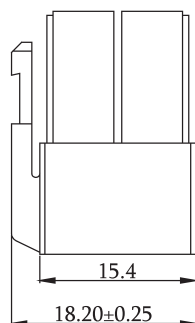
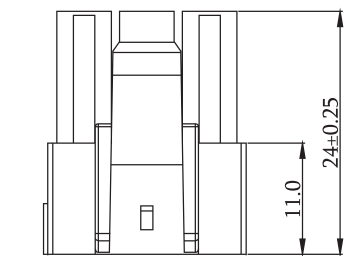
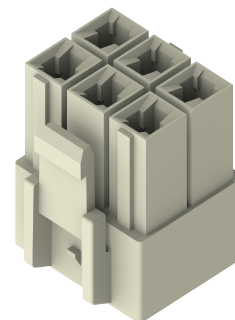
6.2mm 6201 Series Female & Male Housing

Specifications

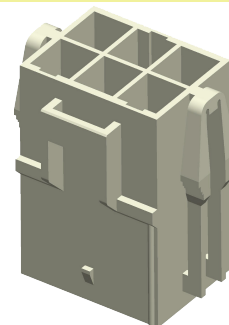
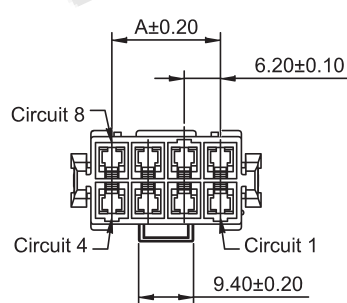
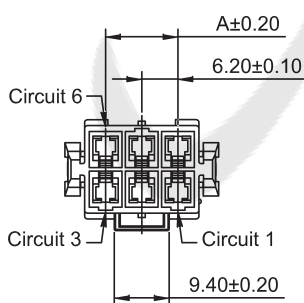
Current Rating: 20 A AC/DC
Insulator Resistance: 100MΩ Min.
Dielectric Voltage: 2000V AC for one minute
Operating temperature: -40°C to +105°C

Material

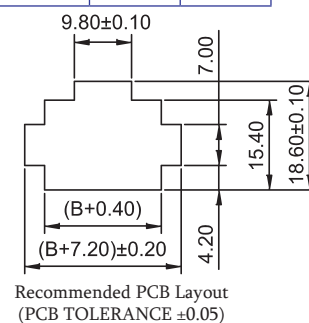
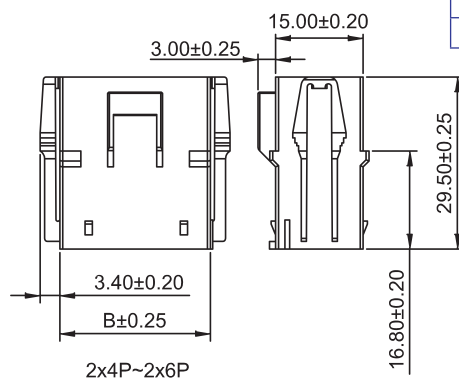
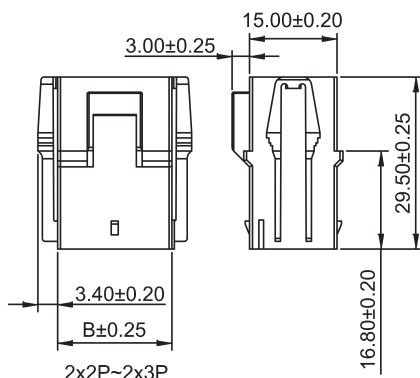
Insulator: Nylon 66, UL 94V-0



P/N.:5H6201F0-2XXWBL00*01
Optional



No. of Contacts	Dimensions	
	A	B
2×02	6.20	13.40
2×03	12.40	19.60
2×04	18.60	25.80
2×06	31.00	38.20



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5H6201M0-2XXWBL00*01
Optional

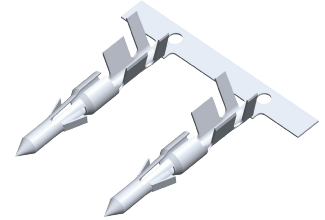
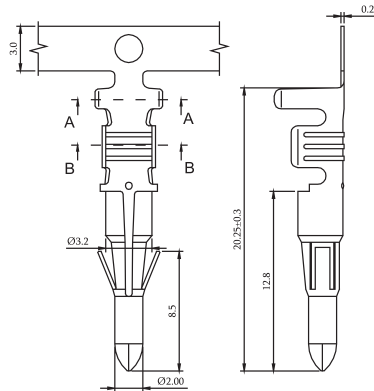
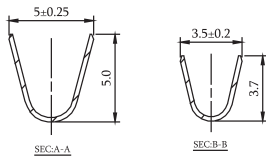
6.2mm 6202 Series Female & Male Terminal / Female & Male Housing

Specifications

Operation Temperature: -25°C to +85°C
Insulation Resistance: 1000MΩ Min.
Dielectric Voltage: 1500V AC for one minute

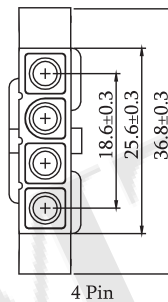
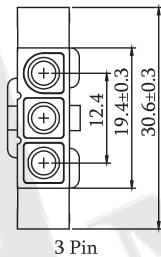
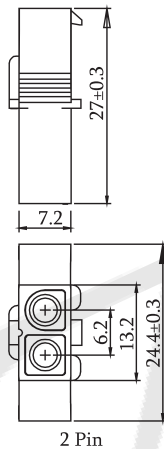
Material

Housing: Nylon 66, UL 94V-2

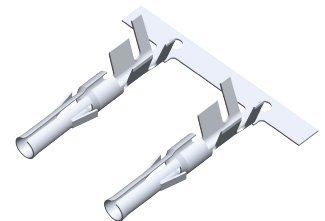
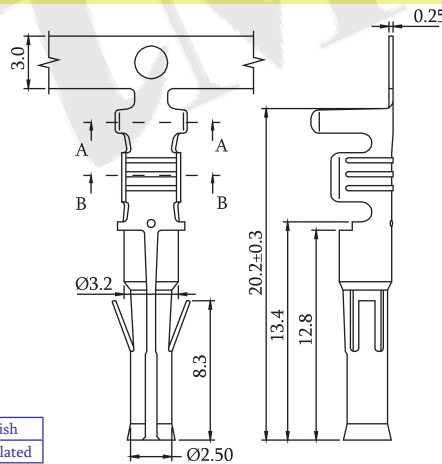
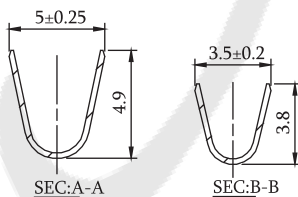
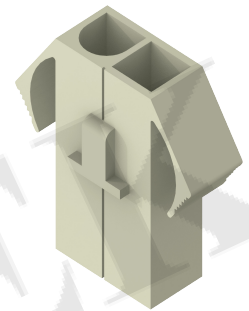


Wire Range	Insulation O.D.	Material	Finish
#26-#20	Ø1.1-Ø2.5mm	Phosphor Bronze	Tin Plated

P/N.:5T6202F-PT0R*01
Optional

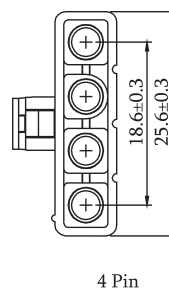
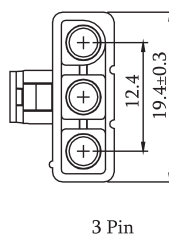
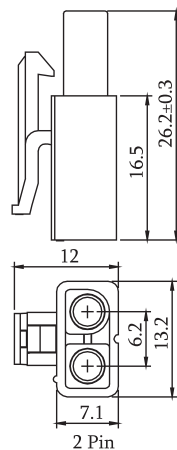


P/N.:5H6202F1-1XXWBL00*01
Optional

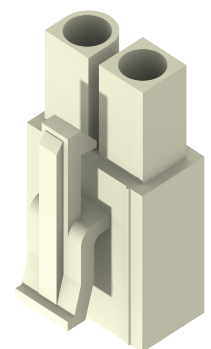


Wire Range	Insulation O.D.	Material	Finish
#20-#26	Ø1.1-Ø2.5mm	Phosphor Bronze	Tin Plated

P/N.:5T6202M-PT0R*01
Optional



P/N.:5H6202M0-1XXXBL00*01
W:Natural B:Black Optional



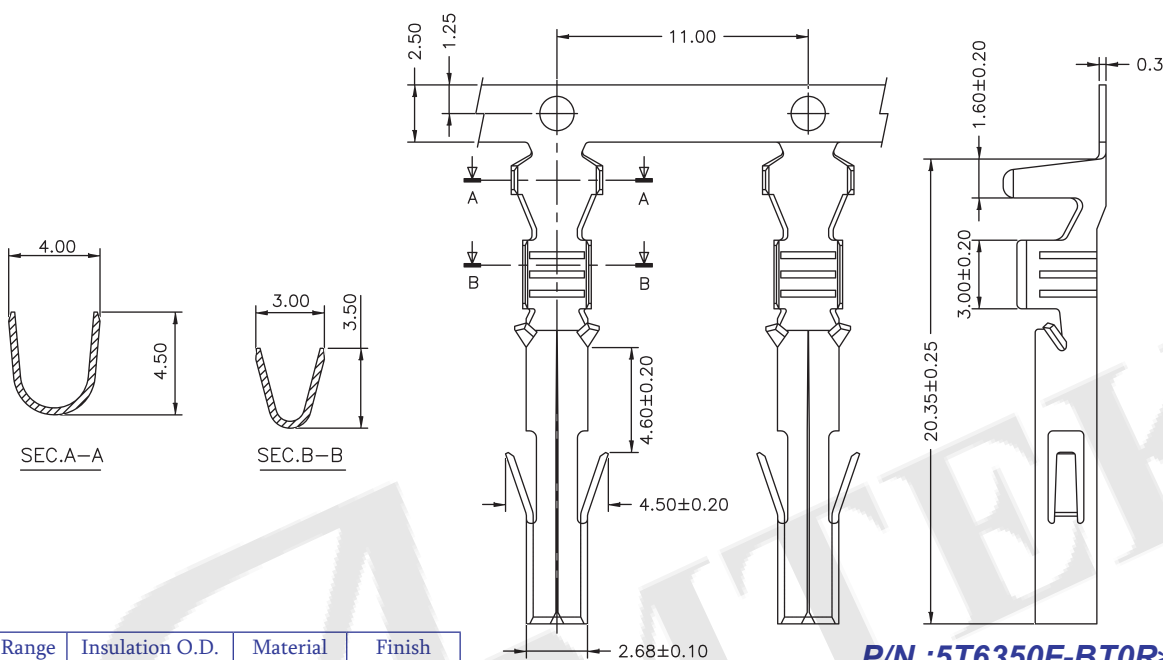
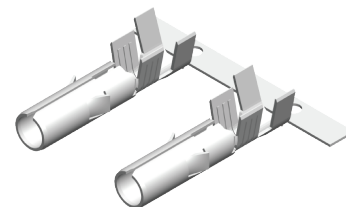
6.35mm 6350 Series Female Terminal / Female Housing

Specifications

Current Rating: 15A AC, DC
Voltage Rating: 600V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 3.5mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 5000V AC/minute

Material

Housing: Nylon 66, UL 94V-0



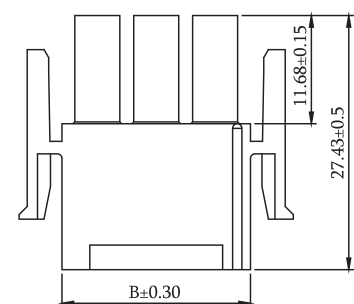
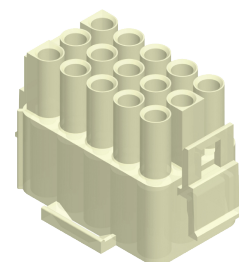
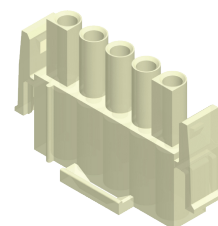
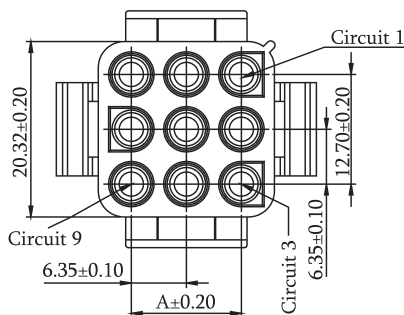
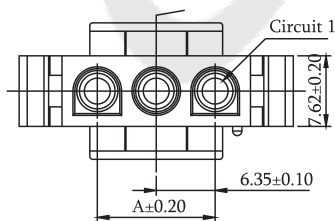
Wire Range	Insulation O.D.	Material	Finish
#14-#20	3.30mm(Max)	Brass	Tin Plated

P/N.:5T6350F-BT0R*01

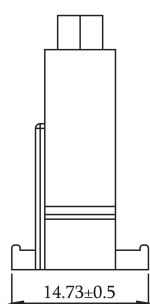
Optional

No. of Contacts	Dimensions	
	A	B
5H6350F0-102	6.35	13.97
5H6350F0-103	12.70	20.32
5H6350F0-104	19.05	26.67
5H6350F0-105	25.40	33.02
5H6350F0-106	31.75	39.37
5H6350F0-108	44.45	52.07

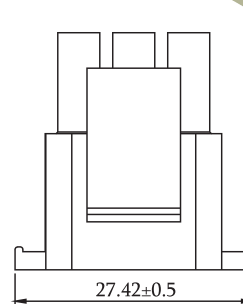
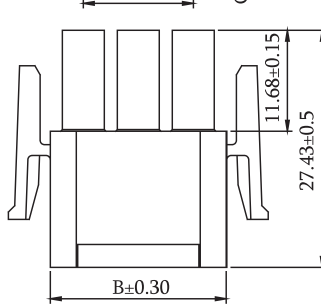
No. of Contacts	Dimensions	
	A	B
5H6350F0-302	6.35	13.97
5H6350F0-303	12.70	20.32
5H6350F0-304	19.05	26.67
5H6350F0-305	25.40	33.02



1 Row



3 Rows



P/N.:5H6350F0-XXXXBL00*01

1:1 Row 3:3 Rows

W:Natural B:Black

Optional

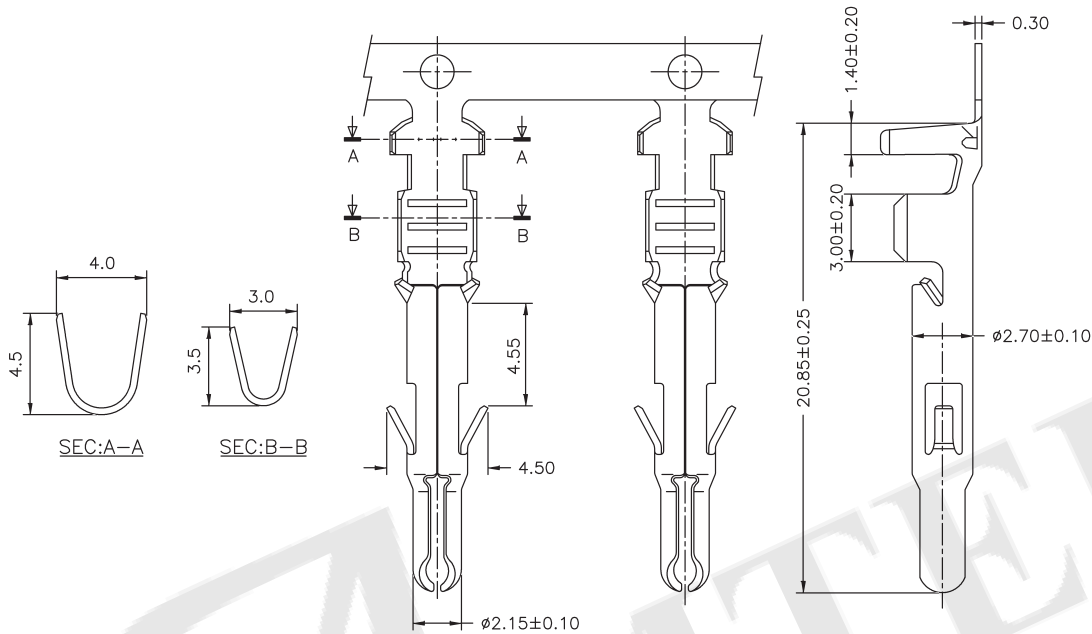
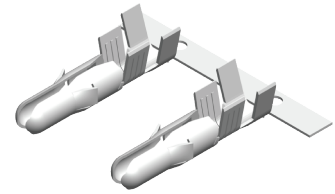
6.35mm 6350 Series Male Terminal / Male Housing

Specifications

Current Rating: 15A AC, DC
Voltage Rating: 600V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 3.5mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 2900V AC/minute

Material

Housing: Nylon 66, UL 94V-0

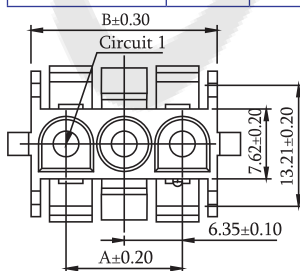


Wire Range	Insulation O.D.	Material	Finish
#14-#20	3.30mm(Max)	Brass	Tin Plated

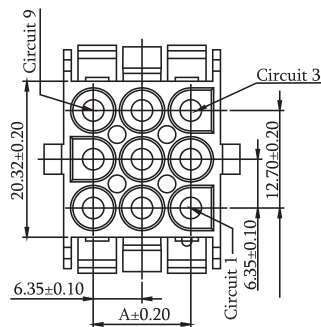
P/N.:5T6350M-BT0R*01

Optional

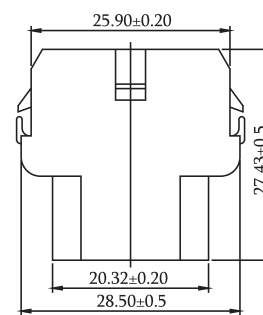
No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
5H6350F0-102	6.35	13.97	5H6350F0-302	6.35	13.97
5H6350F0-103	12.70	20.32	5H6350F0-303	12.70	20.32
5H6350F0-104	19.05	26.67	5H6350F0-304	19.05	26.67
5H6350F0-105	25.40	33.02	5H6350F0-305	25.40	33.02
5H6350F0-106	31.75	39.37			
5H6350F0-108	44.45	52.07			



1 Row



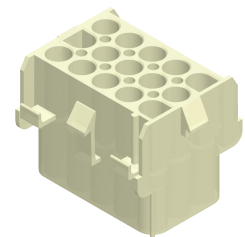
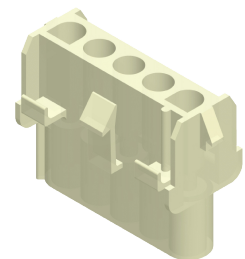
3 Rows



P/N.:5H6350M0-XXXWBL00*01

1:1 Row 3:3 Rows

Optional



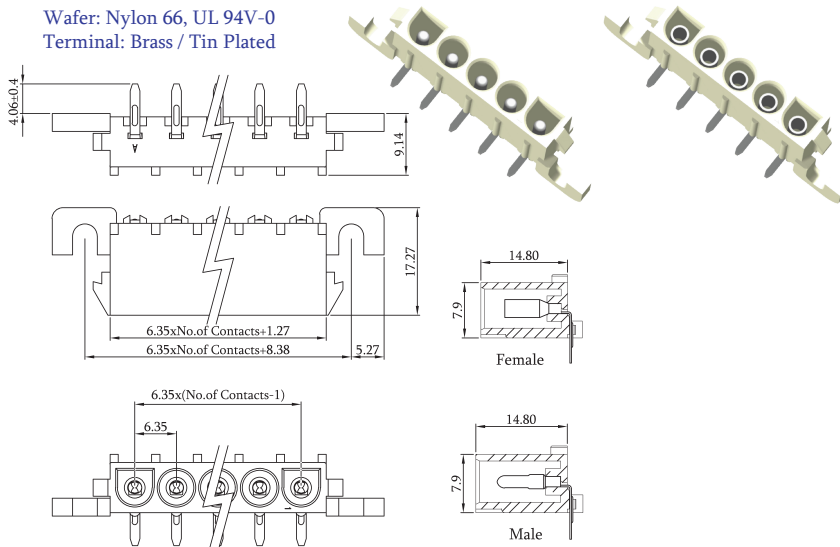
6.35mm 6350 Series Wafer Right Angle / Straight Type

Specifications

Current Rating: 15A AC, DC
Voltage Rating: 600V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 3.5mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 5000V AC/minute

Material

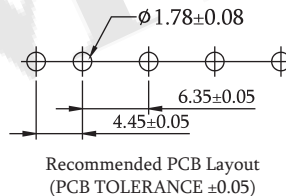
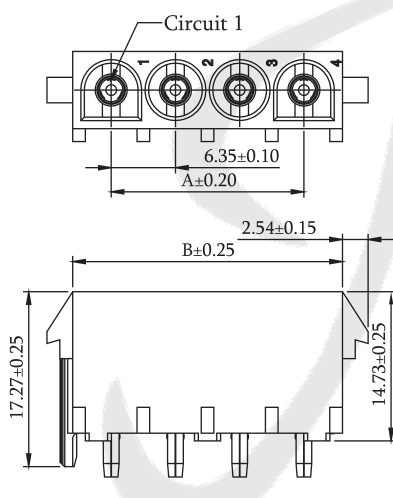
Wafer: Nylon 66, UL 94V-0
Terminal: Brass / Tin Plated



P/N.:5W6350RX-1XXT0WAL*0X

M:Male Type F:Female Type

Optional



No. of Contacts	Dimensions	
	A	B
02	6.35	13.97
03	12.70	20.32
04	19.05	26.67
05	25.40	33.02
06	31.75	39.37
08	44.45	52.07

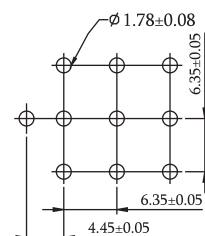
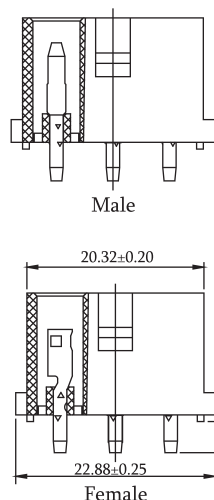
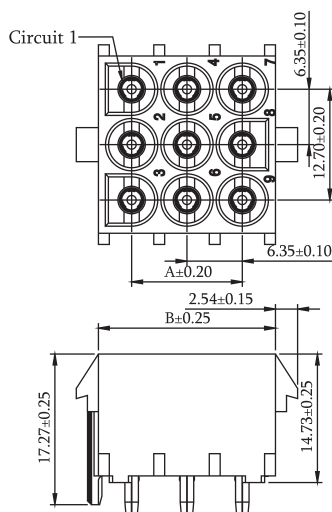
P/N.:5W6350SX-1XXT0XBL*0X

M:Male Type F:Female Type

W:Natural R:Red Y:Yellow(Only Male)

Optional

1:W/O Peg 2:With Peg



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions	
	A	B
3×02	6.35	13.97
3×03	12.70	20.32
3×04	19.05	26.67
3×05	25.40	33.02

P/N.:5W6350SX-3XXT0XBL*0X

M:Male Type F:Female Type

W:Natural R:Red Y:Yellow(Only Male)

Optional

1:W/O Peg 2:With Peg

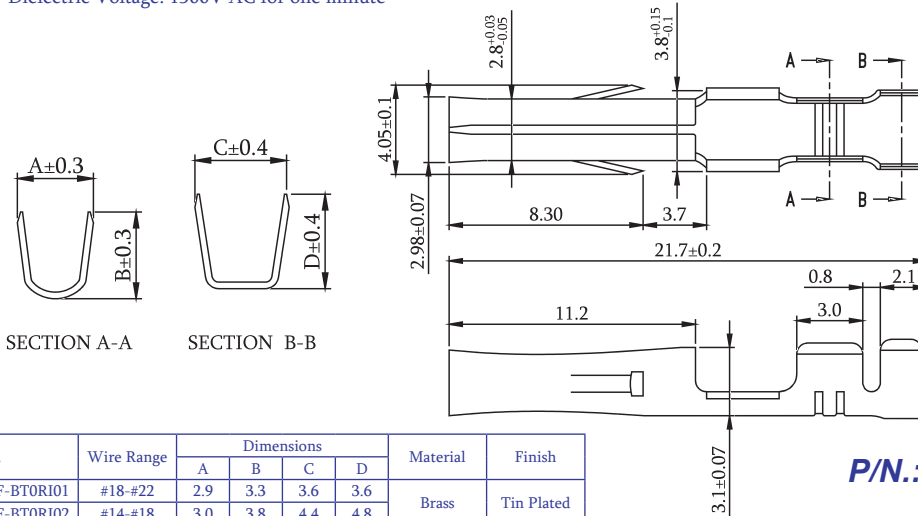
6.7mm 6700 Series Female Terminal / Female Housing

Specifications

Insulation Resistance: 1000MΩ Min.
Operation Temperature: -40°C to +105°C
Dielectric Voltage: 1500V AC for one minute

Material

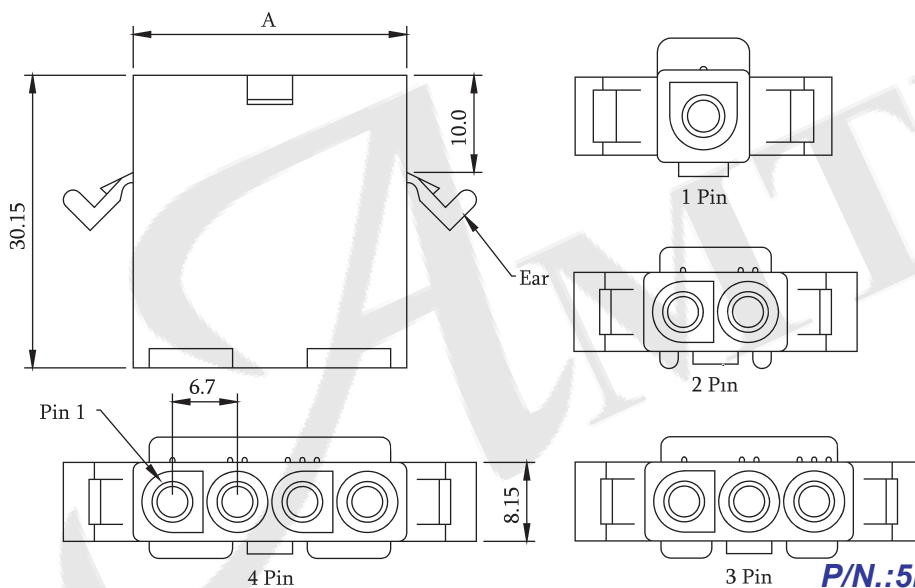
Housing: Nylon 66, UL 94V-0



Part No.	Wire Range	Dimensions				Material	Finish
		A	B	C	D		
5T6700F-BT0R101	#18-#22	2.9	3.3	3.6	3.6	Brass	Tin Plated
5T6700F-BT0R102	#14-#18	3.0	3.8	4.4	4.8		

P/N.:5T6700F-BT0R*0X

Optional
See Table



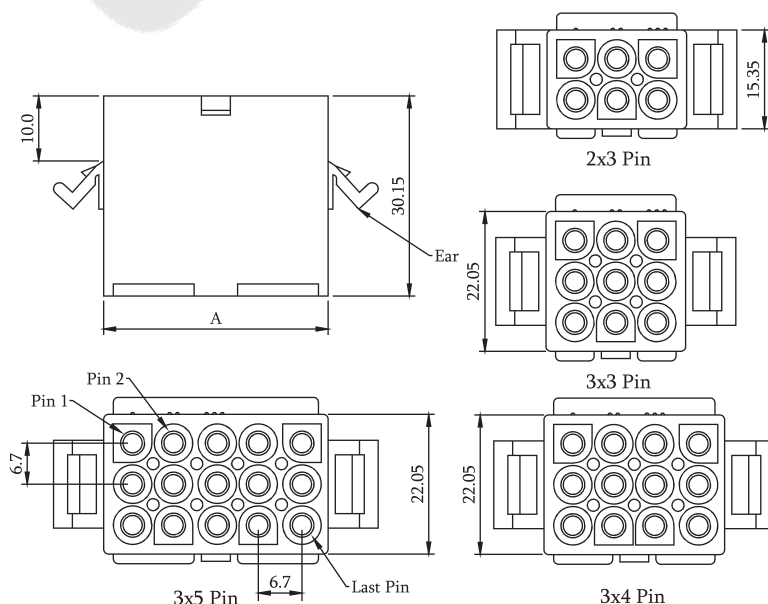
5H6700F0-1

No. of Contacts	Dim.A
1×01	8.15
1×02	14.90
1×03	21.55
1×04	28.20

P/N.:5H6700FX-1XXWBL00*01

0:W/O Ear 1: With Ear

Optional



5H6700F0

5H6700F1

No. of Contacts	Dim.A
2×03	21.50
3×03	21.50
3×04	28.20
3×05	34.90

P/N.:5H6700FX-XXXWBL00*01

0:W/O Ear 1: With Ear
2~3Row

Optional

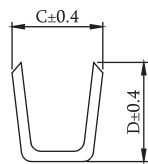
6.7mm 6700 Series Male Terminal / Male Housing

Specifications

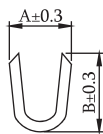
Insulation Resistance: 1000MΩ Min.
Operation Temperature: -40°C to +105°C
Dielectric Voltage: 1500V AC for one minute

Material

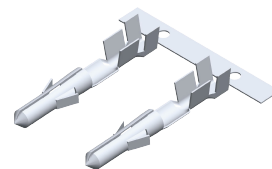
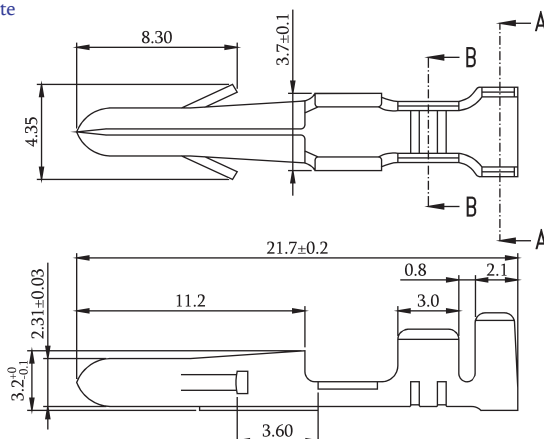
Housing: Nylon 66, UL 94V-0



SECTION A-A



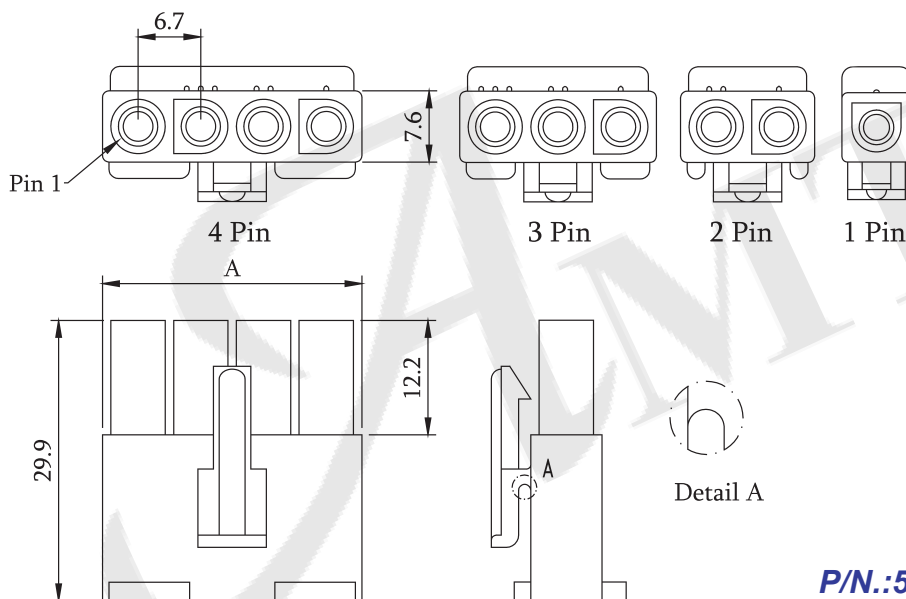
SECTION B-B



Part No.	Wire Range	Dimensions				Material	Finish
		A	B	C	D		
5T6700M-BTORI01	#18-#22	2.9	3.3	3.6	3.6	Brass	Tin Plated
5T6700M-BTORI02	#14-#18	3.0	3.8	4.4	4.8		

P/N.:5T6700M-BTORI*1X

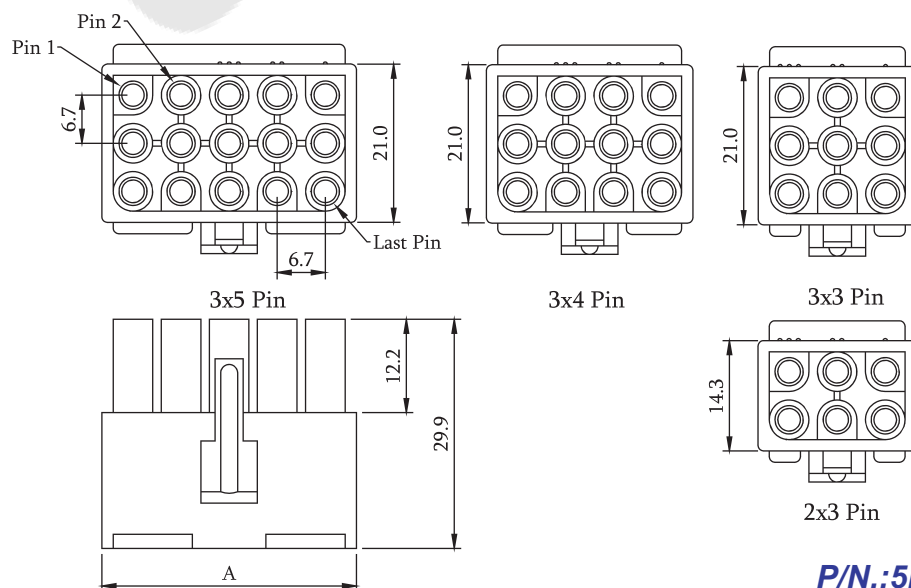
Optional
See Table



No. of Contacts	Dim.A
1×01	7.60
1×02	14.30
1×03	21.00
1×04	27.70

P/N.:5H6700M0-1XXWBL00*01

Optional



No. of Contacts	Dim.A
2×03	21.00
3×03	21.00
3×04	28.10
3×05	35.00

P/N.:5H6700M0-XXXWBL00*01

Optional

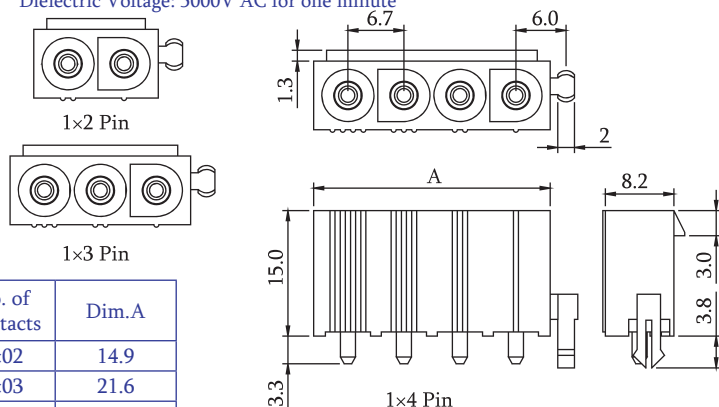
6.7mm 6700 Series Wafer Straight Type 1 & 2 & 3 Row

Specifications

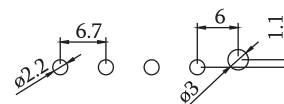
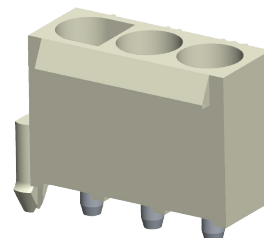
Current Rating: 11A AC, DC
Voltage Rating: 600V AC, DC
Temperature Range: -40°C to +105°C
Dielectric Voltage: 5000V AC for one minute

Material

Wafer: Nylon 66, UL 94V-2
Terminal: Brass / Tin Plated



No. of Contacts	Dim.A
1x02	14.9
1x03	21.6
1x04	28.3



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

P/N.:5W6700S0-1XXT0WBL*01

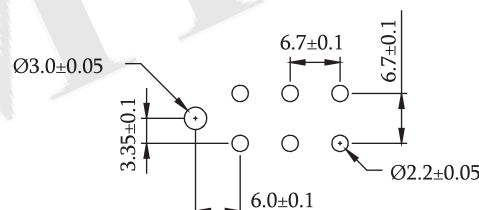
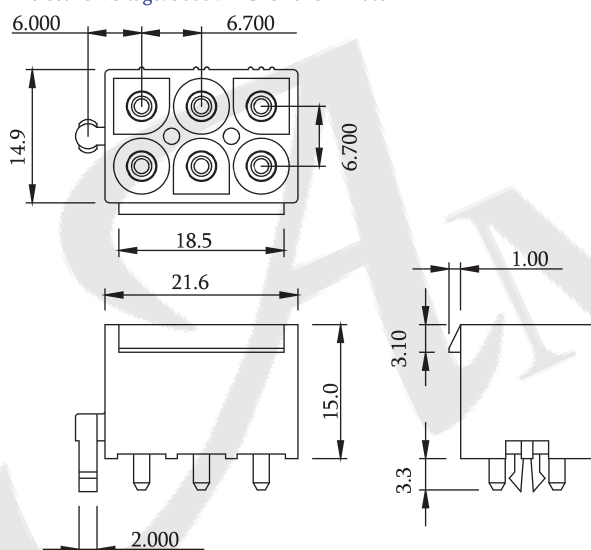
Optional

Specifications

Current Rating: 7A AC, DC
Voltage Rating: 600V AC, DC
Temperature Range: -40°C to +105°C
Dielectric Voltage: 5000V AC for one minute

Material

Wafer: Nylon 66, UL 94V-2
Terminal: Brass / Tin Plated



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

P/N.:5W6700S0-203T0WBL*01

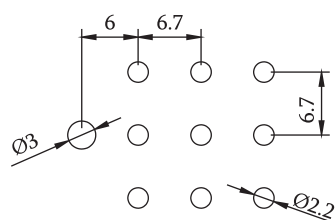
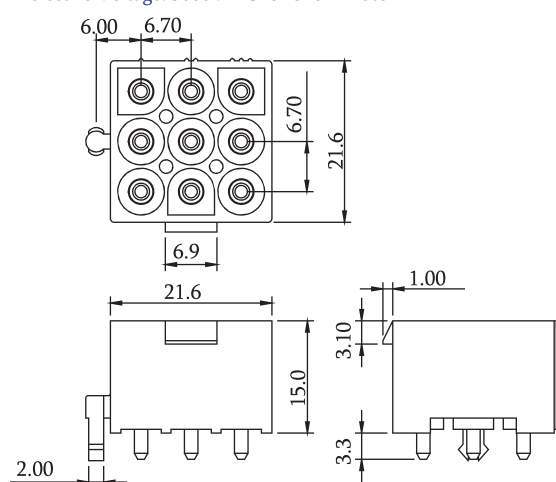
Optional

Specifications

Current Rating: 8A AC, DC
Voltage Rating: 600V AC, DC
Temperature Range: -40°C to +105°C
Dielectric Voltage: 5000V AC for one minute

Material

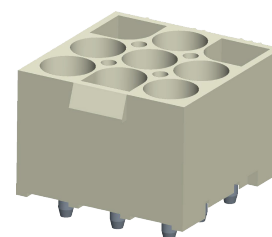
Wafer: Nylon 66, UL 94V-2
Terminal: Brass / Tin Plated



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

P/N.:5W6700S0-303T0WBL*01

Optional



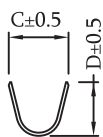
8.38mm 8380 Series Female & Male Terminal / Female & Male Housing

Specifications

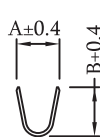
Current Rating: 20A AC, DC
Voltage Rating: 600V AC, DC
Temperature Range: -40°C to +105°C
Contact Resistance: 10mΩ Max
Withstanding Voltage: 1500V AC/minute

Material

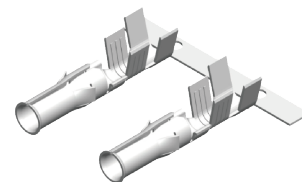
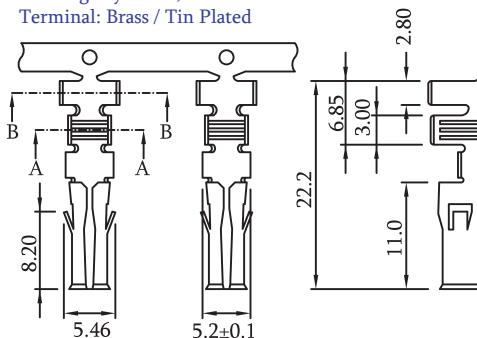
Housing: Nylon 66, UL 94V-2
Terminal: Brass / Tin Plated



SEC A-A



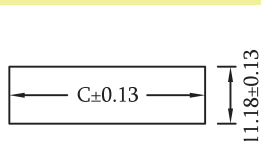
SEC B-B



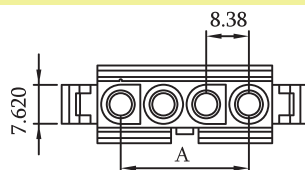
Part No.	Wire Range	Insulation O.D.	Material	Finish	Dim. A	Dim. B	Dim. C	Dim. D
5T8380F-BTORI01	#16-#18	3.05mm(Max)	Brass	Tin Plated	2.80	3.30	4.90	5.00
5T8380F-BTORI02	#16-#18	4.57mm(Max)			2.80	3.30	6.50	5.70
5T8380F-BTORI03	#10-#14	4.57mm(Max)			5.40	5.20	6.50	5.70

P/N.:5T8380F-BTOR*0X

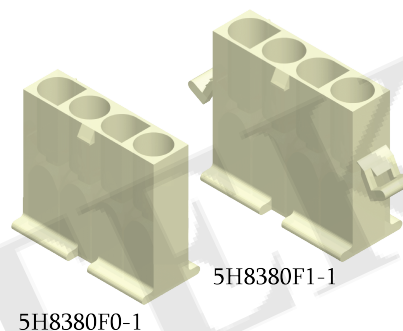
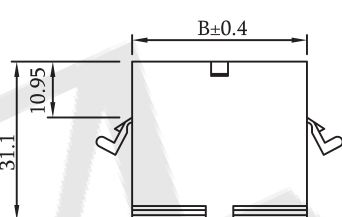
Optional
See Table



Recommended Panel Hole Cutout



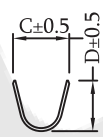
No. of Contacts	Dimensions		
	A	B	C
01	- - -	9.14	13.23
02	8.38	17.52	21.62
03	16.76	25.90	30.00
04	25.14	34.28	38.38



P/N.:5H8380FX-1XXWBL00*01

0:W/O Ear 1: With Ear

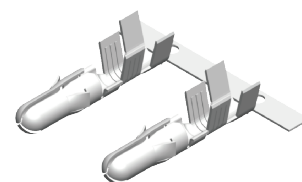
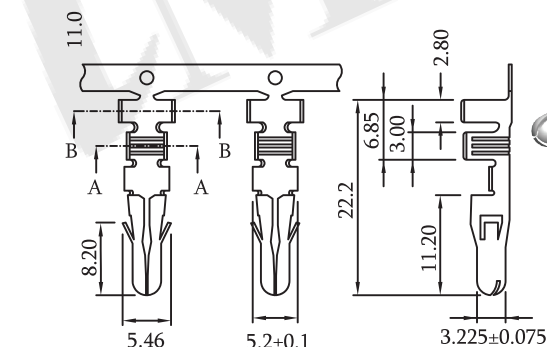
Optional



SEC A-A



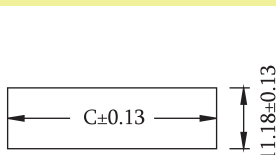
SEC B-B



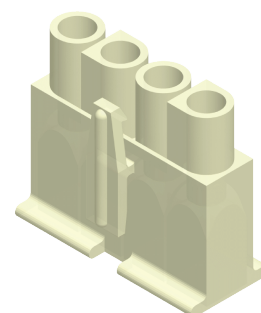
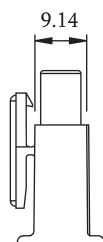
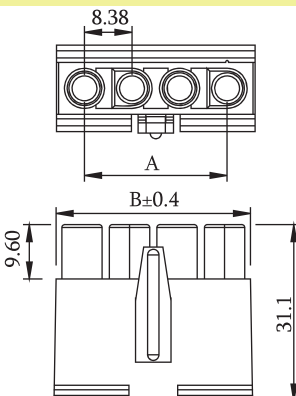
Part No.	Wire Range	Insulation O.D.	Material	Finish	Dim. A	Dim. B	Dim. C	Dim. D
5T8380M-BTORI01	#16-#18	3.05mm(Max)	Brass	Tin Plated	2.80	3.30	4.90	5.00
5T8380M-BTORI02	#16-#18	4.57mm(Max)			2.80	3.30	6.50	5.70
5T8380M-BTORI03	#10-#14	4.57mm(Max)			5.40	5.20	6.50	5.70

P/N.:5T8380M-BTOR*0X

Optional
See Table



Recommended Panel Hole Cutout



No. of Contacts	Dimensions		
	A	B	C
01	- - -	9.14	13.23
02	8.38	17.52	21.62
03	16.76	25.90	30.00
04	25.14	34.28	38.38

P/N.:5H8380M0-1XXWBL00*01

Optional