

Board To Wire & Wire To Wire Connectors

3-43~3-62 • Housing Wafer Terminal 2.5mm



AMTEK Technology Co., Ltd

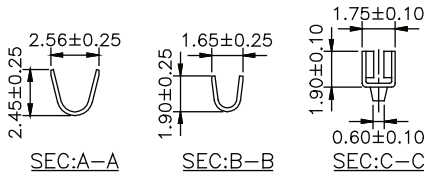
2.5mm 2500 Series Terminal / Housing / Wafer Right Angle & Straight Type

Specifications

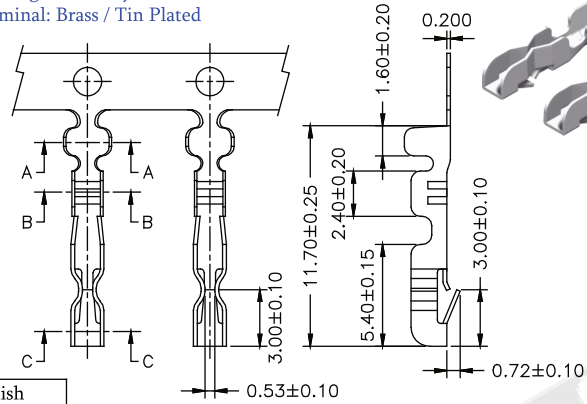
Current Rating: 3A AC,DC
Voltage Rating: 250V AC,DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10mΩ Max
Insulation Resistance: 500MΩ Min
Withstanding Voltage: 800V AC/minute

Material

Housing/Wafer: Nylon 66,UL94V-0
Terminal: Brass / Tin Plated

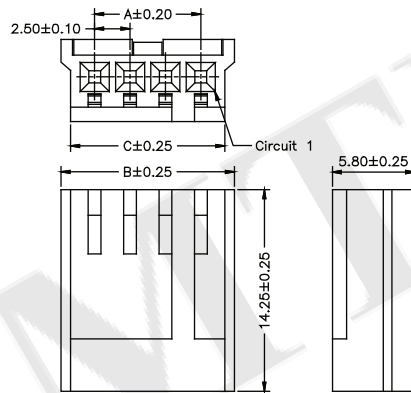


Wire Range	Insulation O.D.	Material	Finish
#20-#26	1.90mm(Max)	Brass	Tin Plated



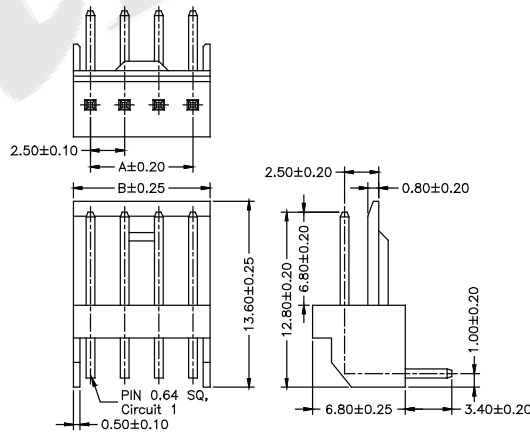
P/N.:5T2500N-BT0RA01

No. of Contacts	Dimensions		
	A	B	C
02	2.50	7.25	5.90
03	5.00	9.75	8.40
04	7.50	12.25	10.90
05	10.00	14.75	13.40
06	12.50	17.25	15.90
07	15.00	19.75	18.40
08	17.50	22.25	20.90
09	20.00	24.75	23.40
10	22.50	27.25	25.90
11	25.00	29.75	28.40
12	27.50	32.25	30.90
13	30.00	34.75	33.40
14	32.50	37.25	35.90
15	35.00	39.75	38.40

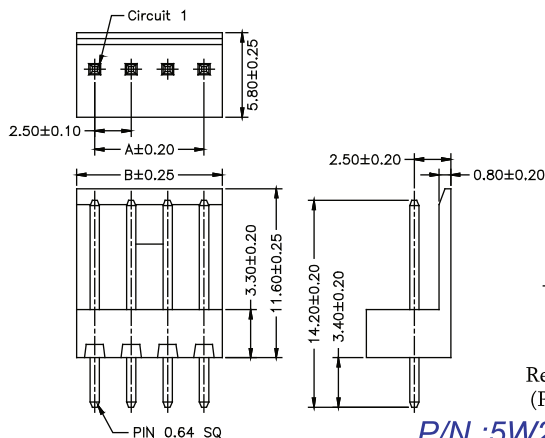


P/N.:5H2500N0-1XXWBL00A01

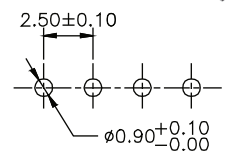
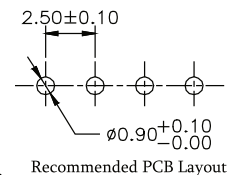
No. of Contacts	Dimensions	
	A	B
02	2.50	5.00
03	5.00	7.50
04	7.50	10.00
05	10.00	12.50
06	12.50	15.00
07	15.00	17.50
08	17.50	20.00
09	20.00	22.50
10	22.50	25.00
11	25.00	27.50
12	27.50	30.00
13	30.00	32.50
14	32.50	35.00
15	35.00	37.50



P/N.:5W2500R0-1XXT0WBLA01



P/N.:5W2500S0-1XXT0WBLA01



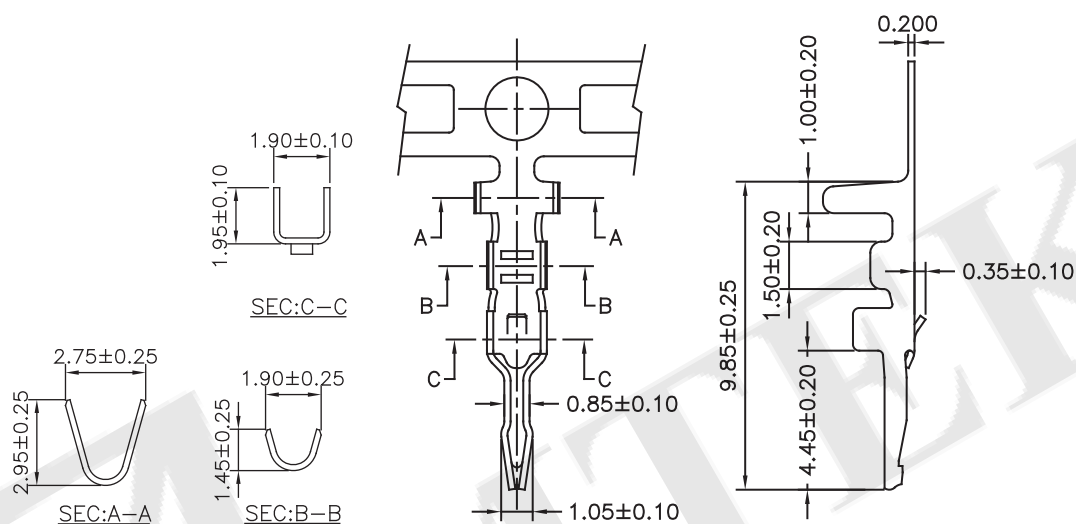
2.5mm 2501 Series Terminal / Housing

Specifications

Current Rating: 3A AC,DC
Voltage Rating: 250V AC,DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 800V AC/minute

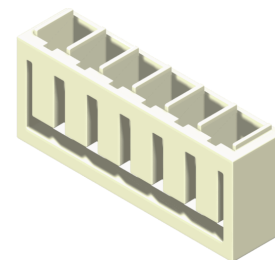
Material

Housing/Wafer: PBT, UL94V-0
Terminal: Brass / Tin Plated

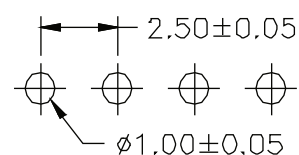
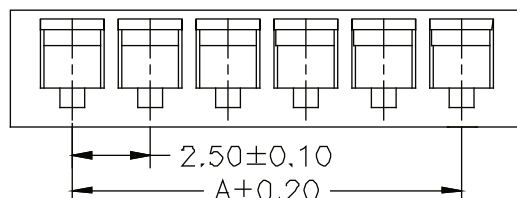


Wire Range	Insulation O.D.	Material	Finish
#22-#28	1.70mm(Max)	Brass	Tin Plated

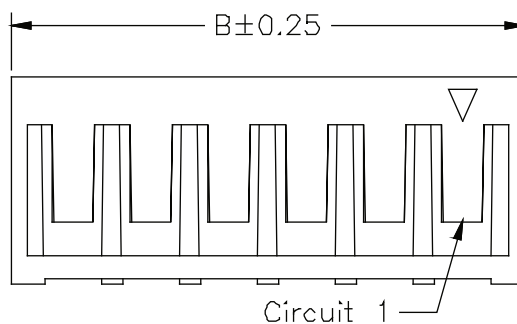
P/N.:5T2501N-BT0RA01



No. of Contacts	Dimensions	
	A	B
02	2.50	6.50
03	5.00	9.00
04	7.50	11.50
05	10.00	14.00
06	12.50	16.50
07	15.00	19.00
8	17.50	21.50
9	20.00	24.00
10	22.50	26.50
11	25.00	29.00
12	27.50	31.50
13	30.00	34.00
14	32.50	36.50
15	35.00	39.00
16	37.50	41.50



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



P/N.:5H2501N0-1XXWBL00A01

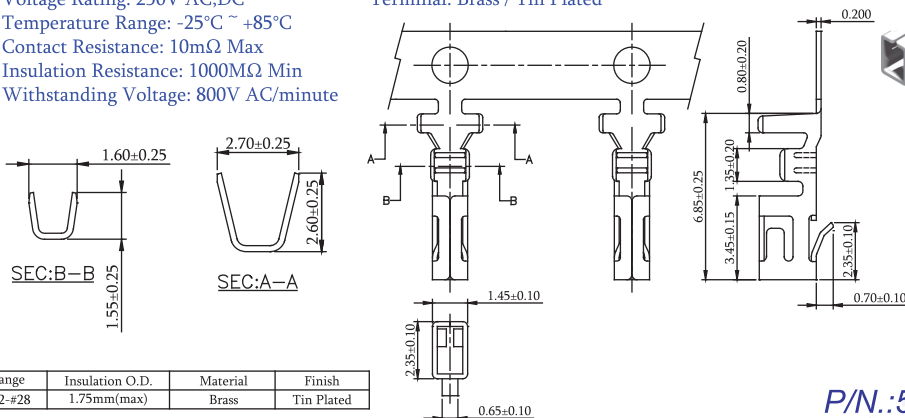
2.5mm 2502 Series Terminal / Housing / Wafer Right Angle & Straight Type

Specifications

Current Rating: 3A AC,DC
Voltage Rating: 250V AC,DC
Temperature Range: -25°C ~ +85°C
Contact Resistance: 10mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 800V AC/minute

Material

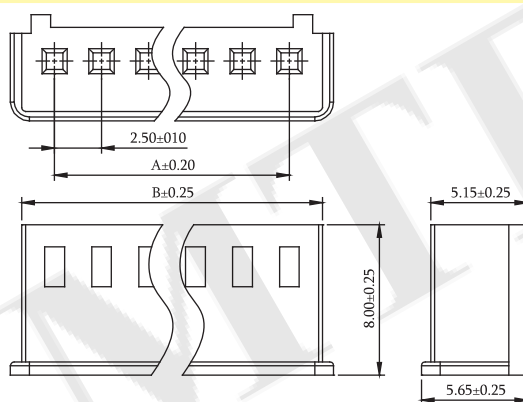
Housing/Wafer: Nylon 66,UL94V-2
Terminal: Brass / Tin Plated



Wire Range	Insulation O.D.	Material	Finish
AWG#22-#28	1.75mm(max)	Brass	Tin Plated

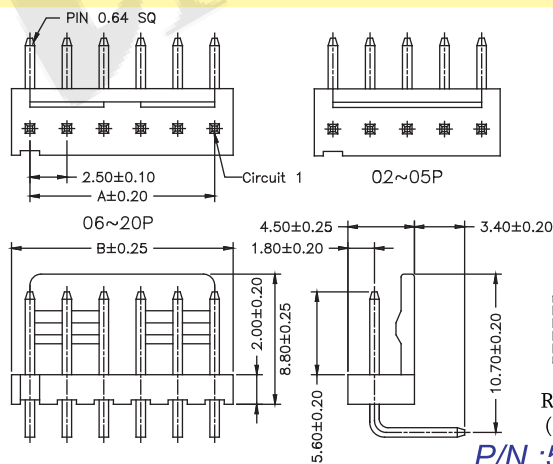
P/N.:5T2502N-BT0RA01

No. of contacts	Dimensions	
	A	B
02	2.50	6.00
03	5.00	8.50
04	7.50	11.00
05	10.00	13.50
06	12.50	16.00
07	15.00	18.50
08	17.50	21.00
09	20.00	23.50
10	22.50	26.00
11	25.00	28.50
12	27.50	31.00
13	30.00	33.50
14	32.50	36.00
15	35.00	38.50
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18	42.50	46.00
19	45.00	48.50
20	47.50	51.00

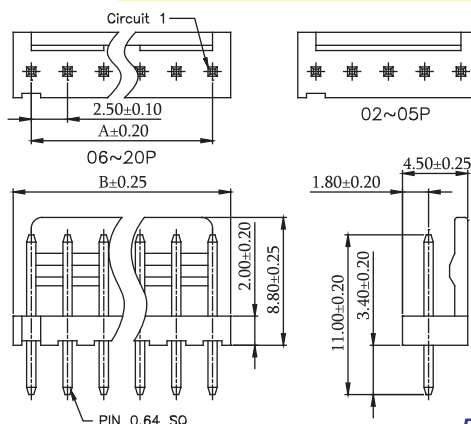


P/N.:5H2502N0-1XXWBL00A01

No. of Contacts	Dimensions	
	A	B
02	2.50	5.00
03	5.00	7.50
04	7.50	10.00
05	10.00	12.50
06	12.50	15.00
07	15.00	17.50
08	17.50	20.00
09	20.00	22.50
10	22.50	25.00
11	25.00	27.50
12	27.50	30.00
13	30.00	32.50
14	32.50	35.00
15	35.00	37.50
16	37.50	40.00
17	40.00	42.50
18	42.50	45.00
19	45.00	47.50
20	47.50	50.00



P/N.:5W2502R0-1XXT0WBLA01



P/N.:5W2502S0-1XXT0WBLA01

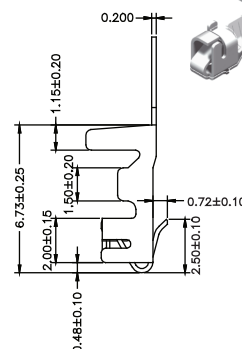
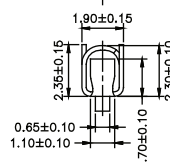
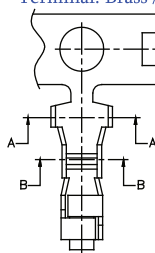
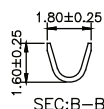
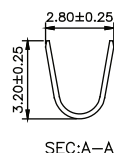
2.5mm 2503 Series Terminal / Housing / Wafer Right Angle & Straight Type

Specifications

Current Rating: 3A AC,DC
Voltage Rating: 250V AC,DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1000V AC/minute

Material

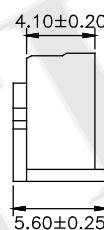
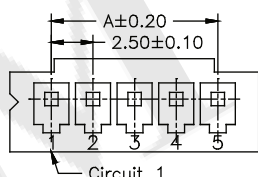
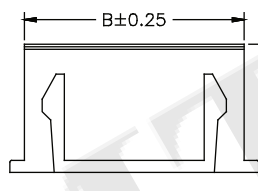
Housing/Wafer: Nylon 66,UL94V-0
Terminal: Brass / Tin Plated



Part No.	Wire Range	Insulation O.D.	Material	Finish
5T2503-BT0	#22-#28	1.90mm(Max)	Brass	Tin Plated
5T2503-PT0	#22-#28	1.90mm(Max)	Phosphor Bronze	Tin Plated

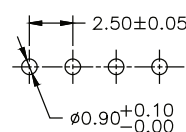
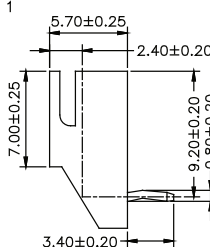
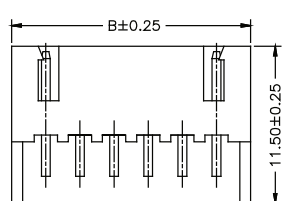
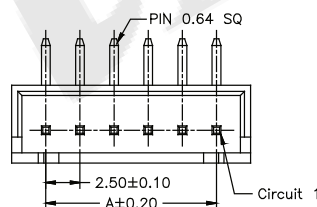
P/N.:5T2503N-XT0RA01

No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
02	2.50	5.70	12	27.50	30.70
03	5.00	8.20	13	30.00	33.20
04	7.50	10.70	14	32.50	35.70
05	10.00	13.20	15	35.00	38.20
06	12.50	15.70	16	37.50	40.70
07	15.00	18.20	17	40.00	43.20
08	17.50	20.70	18	42.50	45.70
09	20.00	23.20	19	45.00	48.20
10	22.50	25.70	20	47.50	50.70
11	25.00	28.20			



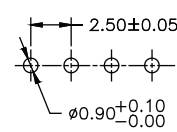
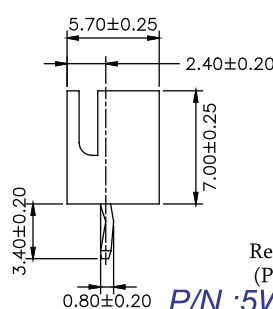
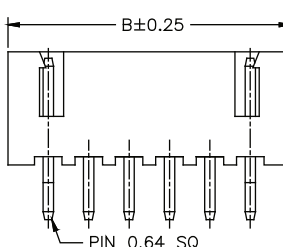
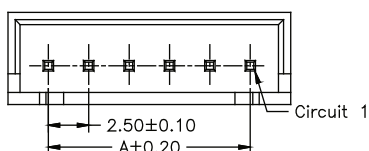
P/N.:5H2503N0-1XXWBL00A01

No. of Contacts	Dimensions	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00
18	42.50	47.50
19	45.00	50.00
20	47.50	52.50



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2503R0-1XXT0WBLA01



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2503S0-1XXT0WBLA01

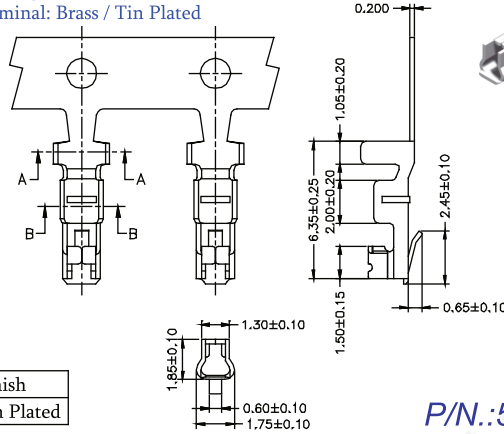
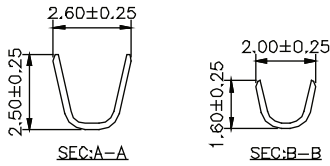
2.5mm 2504 Series Terminal / Housing / Wafer Right Angle & Straight Type

Specifications

Current Rating: 3A AC,DC
Voltage Rating: 500V AC,DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 100MΩ Min
Withstanding Voltage: 1500V AC/minute

Material

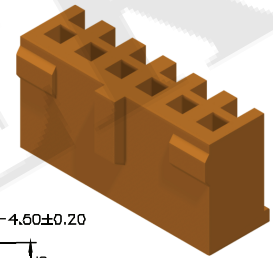
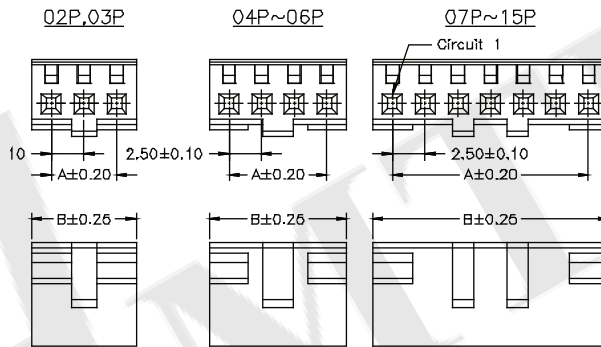
Housing/Wafer: Nylon 66,UL94V-0
Terminal: Brass / Tin Plated



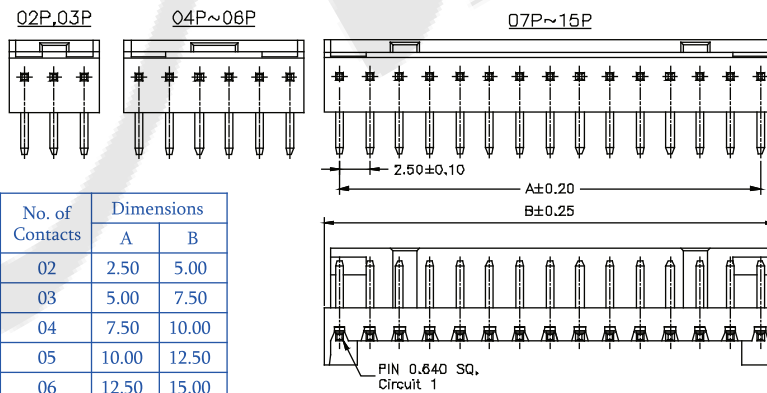
Wire Range	Insulation O.D.	Material	Finish
#22-#28	1.70mm(Max)	Phosphor Bronze	Tin Plated

P/N.:5T2504N-PT0RA01

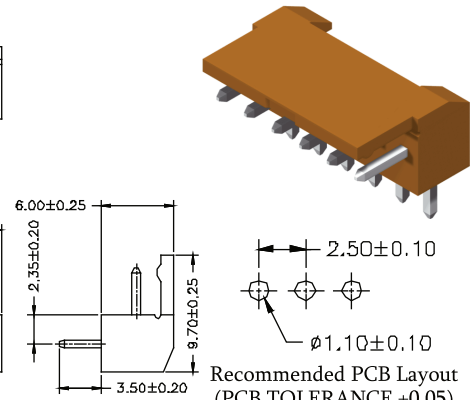
No. of Contacts	Dimensions	
	A	B
02	2.50	5.50
03	5.00	8.00
04	7.50	10.50
05	10.00	13.00
06	12.50	15.50
07	15.00	18.00
08	17.50	20.50
09	20.00	23.00
10	22.50	25.50
11	25.00	28.00
12	27.50	30.50
13	30.00	33.00
14	32.50	35.50
15	35.00	38.00



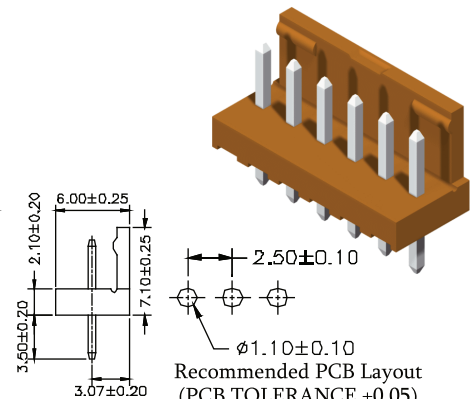
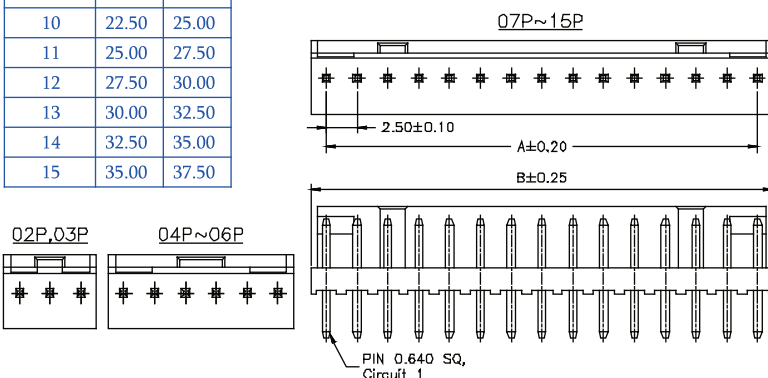
P/N.:5H2504N0-1XXRBL00A01



No. of Contacts	Dimensions	
	A	B
02	2.50	5.00
03	5.00	7.50
04	7.50	10.00
05	10.00	12.50
06	12.50	15.00
07	15.00	17.50
08	17.50	20.00
09	20.00	22.50
10	22.50	25.00
11	25.00	27.50
12	27.50	30.00
13	30.00	32.50
14	32.50	35.00
15	35.00	37.50



P/N.:5W2504R0-1XXT0RBLA01



P/N.:5W2504S0-1XXT0RBLA01

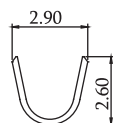
2.5mm 2505 Series Terminal / Housing / Wafer Right Angle & Straight Type

Specifications

Current Rating: 3A AC,DC
Voltage Rating: 250V AC,DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 800V AC/minute

Material

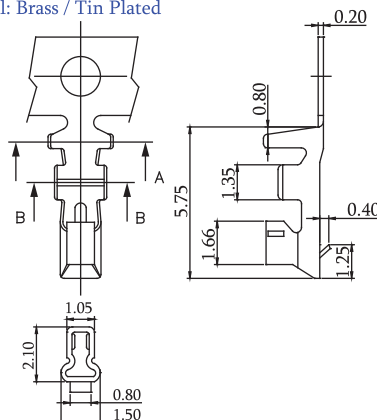
Housing/Wafer: Nylon 66,UL94V-0
Terminal: Brass / Tin Plated



SEC:A-A



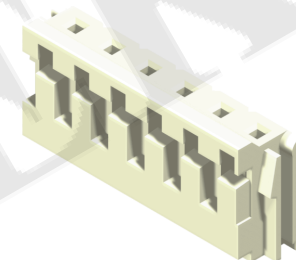
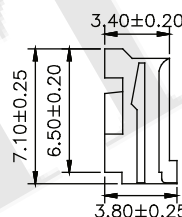
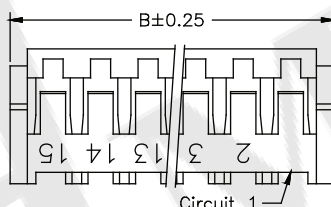
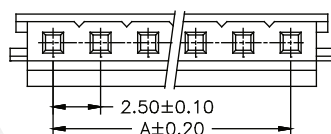
SEC:B-B



Wire Range	Insulation O.D.	Material	Finish
AWG#22-#30	1.80mm(max)	Phosphor Bronze	Tin-plated

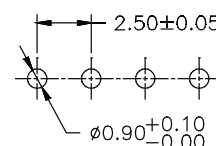
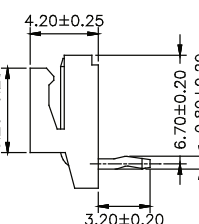
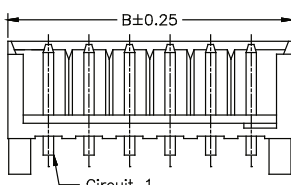
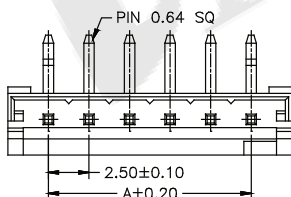
P/N.:5T2505N-PT0RA01

No. of Contacts	Dimensions	
	A	B
02	2.50	7.00
03	5.00	9.50
04	7.50	12.00
05	10.00	14.50
06	12.50	17.00
07	15.00	19.50
08	17.50	22.00
09	20.00	24.50
10	22.50	27.00
11	25.00	29.50
12	27.50	32.00
13	30.00	34.50
14	32.50	37.00
15	35.00	39.50



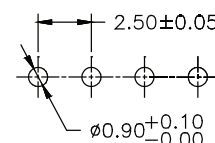
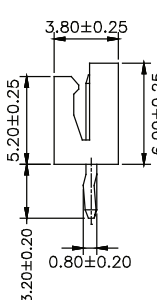
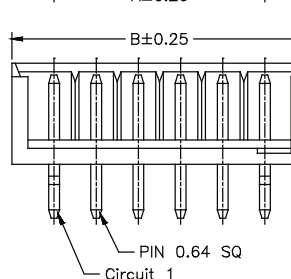
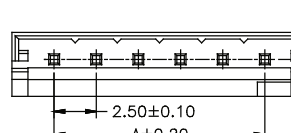
P/N.:5H2505N0-1XXWBL00A01

No. of Contacts	Dimensions	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2505R0-1XXT0WBLA01



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2505S0-1XXT0WBLA01

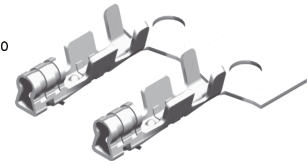
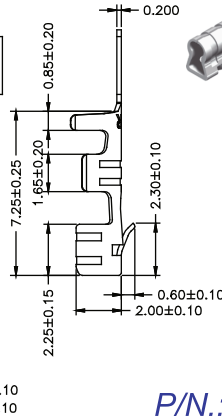
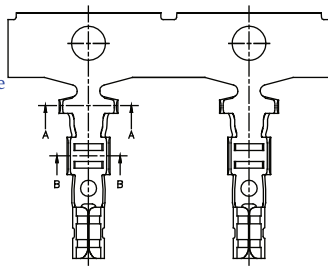
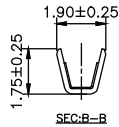
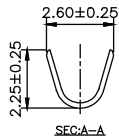
2.5mm 2506 Series Terminal / Housing / Wafer Right Angle & Straight Type

Specifications

Current Rating: 3A AC,DC
Voltage Rating: 250V AC,DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1000V AC/minute

Material

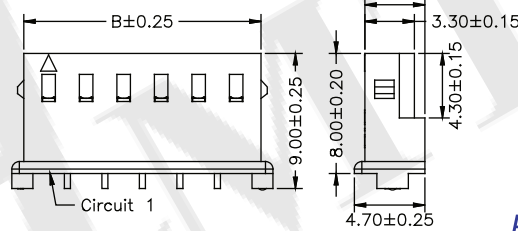
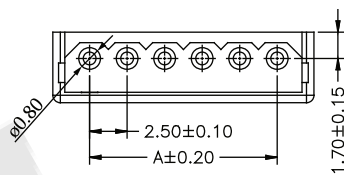
Housing/Wafer: Nylon 66,UL94V-0
Terminal: Brass / Tin Plated



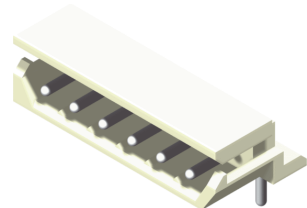
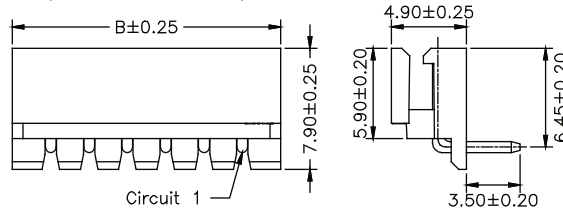
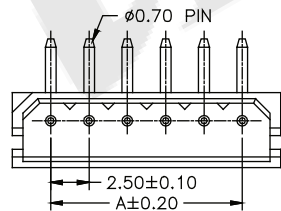
Wire Range	Insulation O.D.	Material	Finish
#22-#28	1.90mm(Max)	Phosphor Bronze	Tin Plated

P/N.:5T2506N-PT0RA01

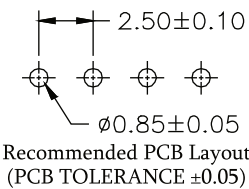
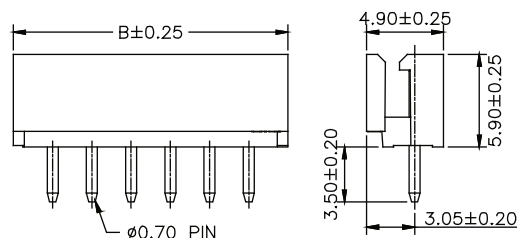
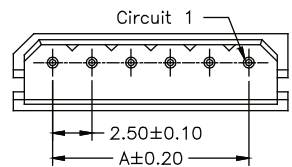
No. of Contacts	Dimensions	
	A	B
02	2.50	5.80
03	5.00	8.30
04	7.50	10.80
05	10.00	13.30
06	12.50	15.80
07	15.00	18.30
08	17.50	20.80
09	20.00	23.30
10	22.50	25.80
11	25.00	28.30
12	27.50	30.80
13	30.00	33.30
14	32.50	35.80
15	35.00	38.30
16	37.50	40.80



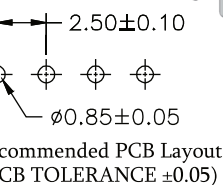
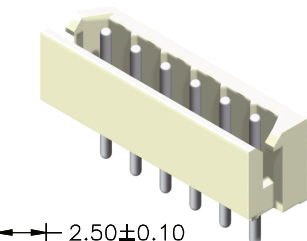
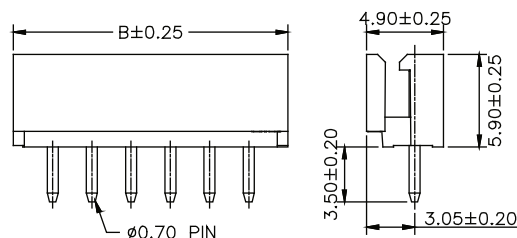
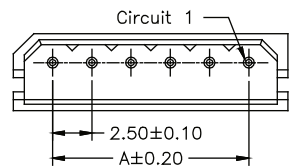
P/N.:5H2506N0-1XXWBL00A01



No. of Contacts	Dimensions	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50



P/N.:5W2506R0-1XXT0WBLA01



P/N.:5W2506S0-1XXT0WBLA01

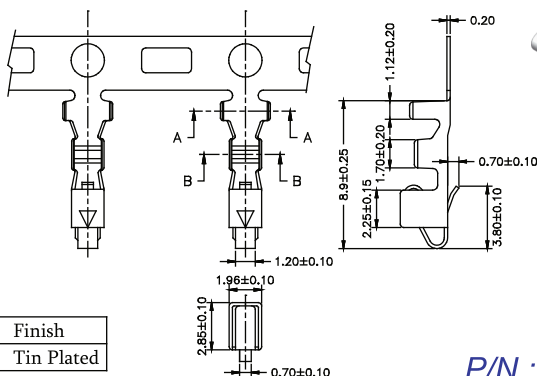
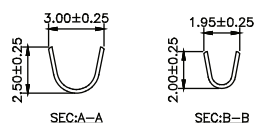
2.5mm 2507 Series Female & Male Terminal / Female & Male Housing

Specifications

Current Rating: 3A AC,DC
Voltage Rating: 250V AC,DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10mΩ Max
Insulation Resistance: 500MΩ Min
Withstanding Voltage: 1500V AC/minute

Material

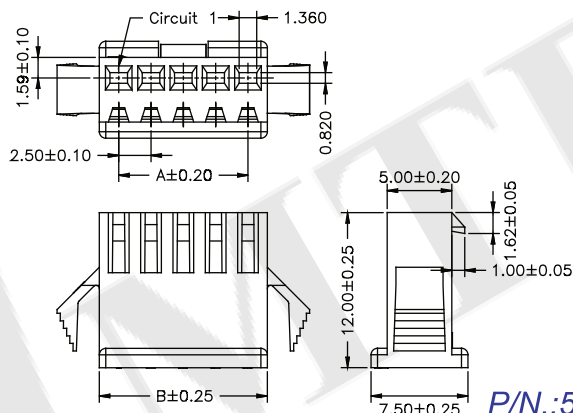
Housing/Wafer: Nylon 66,UL94V-0
Terminal: Brass / Tin Plated



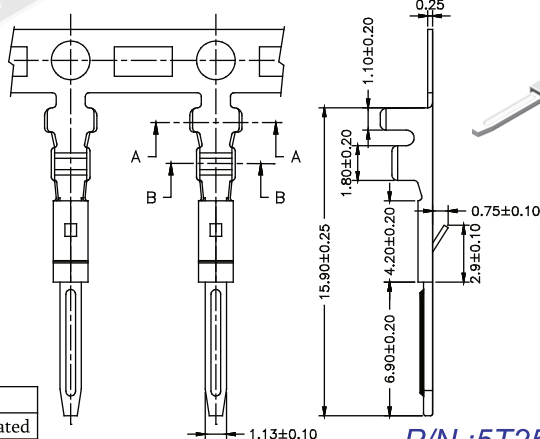
Wire Range	Insulation O.D.	Material	Finish
#22-#28	1.80mm(Max)	Brass	Tin Plated

P/N.:5T2507F-BT0RA01

No. of Contacts	Dimensions	
	A	B
02	2.50	5.50
03	5.00	8.00
04	7.50	10.50
05	10.00	13.00
06	12.50	15.50
07	15.00	18.00
08	17.50	20.50
09	20.00	23.00
10	22.50	25.50
11	25.00	28.00
12	27.50	30.50



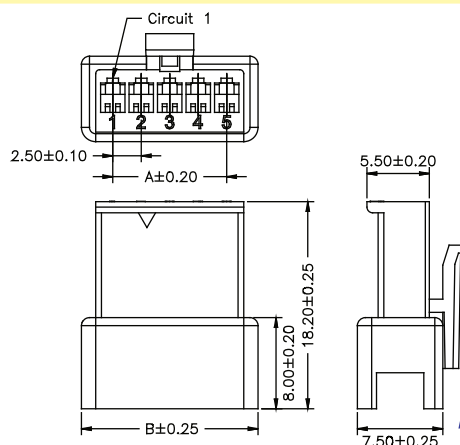
P/N.:5H2507F0-1XXBBL00A01



Wire Range	Insulation O.D.	Material	Finish
#22-#28	1.80mm(Max)	Brass	Tin Plated

P/N.:5T2507M-BT0RA01

No. of Contacts	Dimensions	
	A	B
02	2.50	8.00
03	5.00	10.50
04	7.50	13.00
05	10.00	15.50
06	12.50	18.00
07	15.00	20.50
08	17.50	23.00
09	20.00	25.50
10	22.50	28.00
11	25.00	30.50
12	27.50	33.00



P/N.:5H2507M0-1XXBBL00A01



CONNECTORS MANUFACTURER

Old P/N.:2505 Series
2508 Series

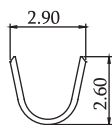
2.5mm 2505 Series Terminal / 2508 Seies Housing / Wafer Right Angle & Straight Type

Specifications

Current Rating: 3A AC,DC
Voltage Rating: 500V AC,DC
Temperature Range: -25°C to +85°C
Contact Resistance: 10mΩ Max
Insulation Resistance: 500MΩ Min
Withstanding Voltage: 1000V AC/minute

Material

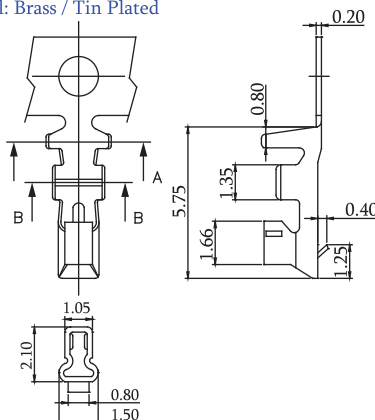
Housing: Nylon 66,UL94V-0
Terminal: Brass / Tin Plated



SEC:A-A



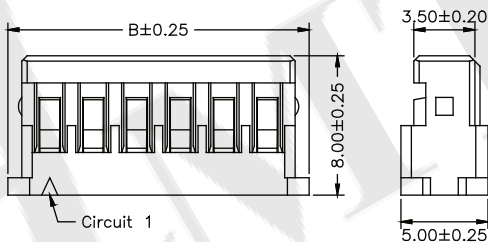
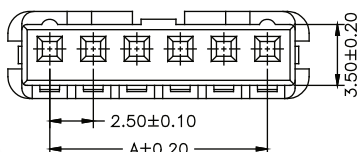
SEC:B-B



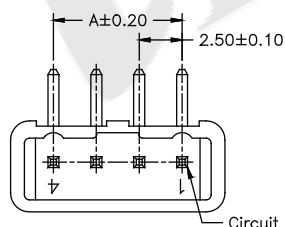
Wire Range	Insulation O.D.	Material	Finish
AWG#22-#30	1.80mm(max)	Phosphor Bronze	Tin-plated

P/N.:5T2505N-PT0RA01

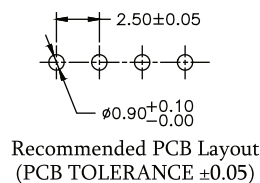
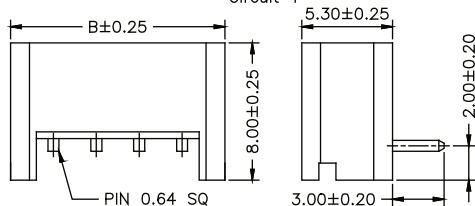
No. of Contacts	Dimensions	
	A	B
02	2.50	7.30
03	5.00	9.80
04	7.50	12.30
05	10.00	14.80
06	12.50	17.30
07	15.00	19.80
08	17.50	22.30
09	20.00	24.80
10	22.50	27.30
11	25.00	29.80
12	27.50	32.30
13	30.00	34.80
14	32.50	37.30
15	35.00	39.80



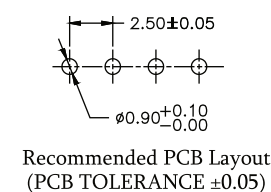
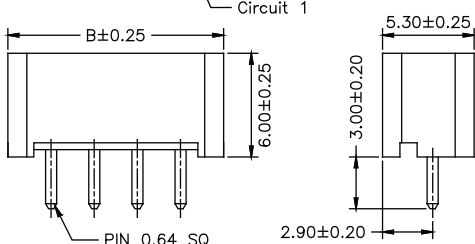
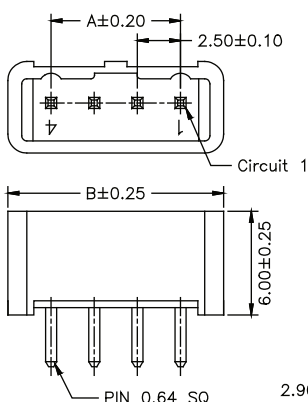
P/N.:5H2508N0-1XXBBL00A01



No. of Contacts	Dimensions	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00



P/N.:5W2508R0-1XXT0BBLA01



P/N.:5W2508S0-1XXT0BBLA01

Housing Wafer Terminal



RoHS

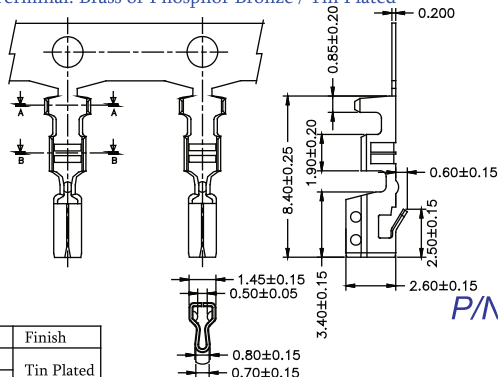
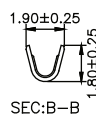
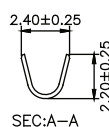
2.5mm 2509 Series Female & Male Terminal / Female & Male Housing

Specifications

Current Rating: 3A AC,DC
Voltage Rating: 250V 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, UL94V-0
Terminal: Brass or Phosphor Bronze / Tin Plated

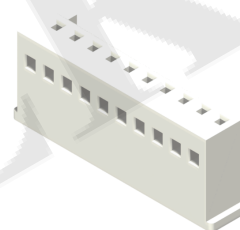
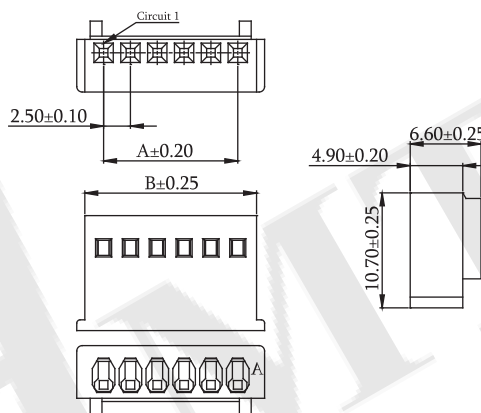


P/N.:5T2509F-XT0RA01

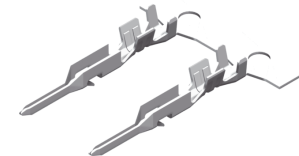
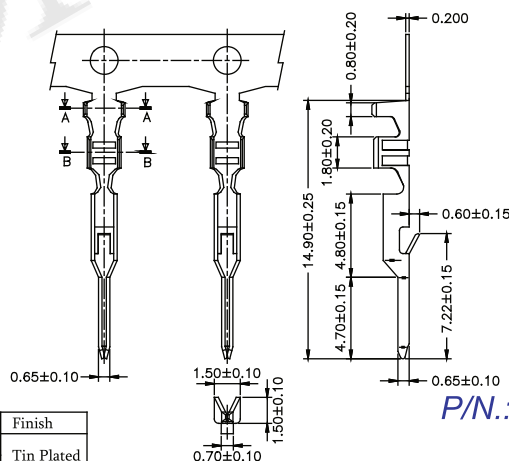
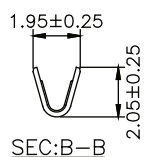
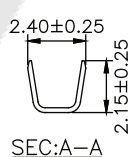
P:Phosphor Bronze
B:Brass

Part No.	Wire Range	Insulation O.D.	Material	Finish
5T2509F-BTOR-01	#22-#28	1.90mm(Max)	Brass	Tin Plated
5T2509F-PTOR-01			Phosphor Bronze	

No. of Contacts	Dimensions	
	A	B
02	2.50	6.00
03	5.00	8.50
04	7.50	11.00
05	10.00	13.50
06	12.50	16.00
07	15.00	18.50
08	17.50	21.00
09	20.00	23.50
10	22.50	26.00
11	25.00	28.50
12	27.50	31.00
13	30.00	33.50
14	32.50	36.00
15	35.00	38.50
16	37.50	41.00
17	40.00	43.50
18	42.50	46.00
19	45.00	48.50
20	47.50	51.00



P/N.:5H2509F0-1XXWBL00A01

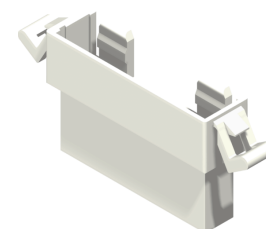
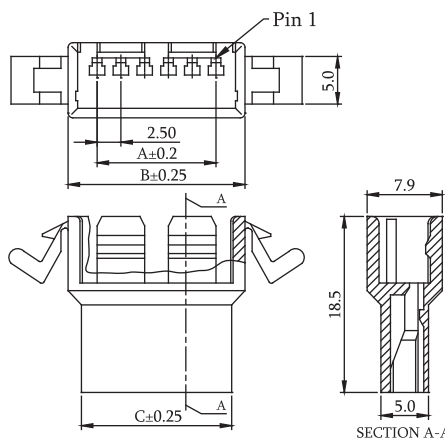


P/N.:5T2509M-XT0RA01

P:Phosphor Bronze
B:Brass

Part No.	Wire Range	Insulation O.D.	Material	Finish
5T2509M-BTOR-01	#22-#28	1.90mm(Max)	Brass	Tin Plated
5T2509M-PTOR-01			Phosphor Bronze	

No. of Contacts	Dimensions	
	A	B
02	2.50	6.00
03	5.00	8.50
04	7.50	11.00
05	10.00	13.50
06	12.50	16.00
07	15.00	18.50
08	17.50	21.00
09	20.00	23.50
10	22.50	26.00
11	25.00	28.50
12	27.50	31.00



P/N.:5H2509M0-1XXWBL00A01

2.5mm 2510 Series Terminal / Housing / Wafer Right Angle & Straight Type

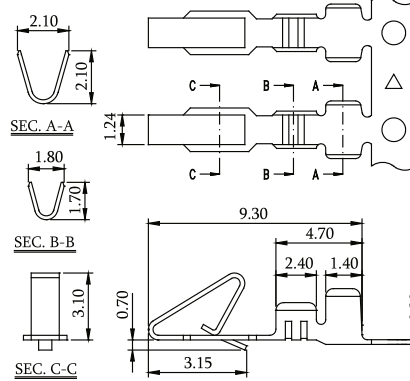
Specifications

Current Rating: 3A AC,DC
Voltage Rating: 250V AC,DC
Temperature Range: -40°C to +105°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1500V AC/minute

Material

Housing: Nylon 66, UL94V-0
Wafer: PBT, UL94V-0
Terminal: Brass / Tin Plated

Part No.	Wire Range	Material	Finish
5T2510N-BT0	#22-#26	Brass	Tin Plated
5T2510N-PT0		Phosphor Bronze	
5T2510N-BG0		Brass	Gold Plated
5T2510N-PG0		Phosphor Bronze	

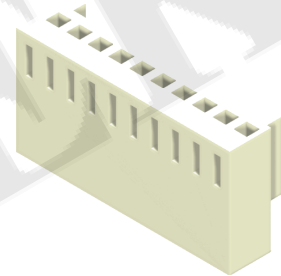
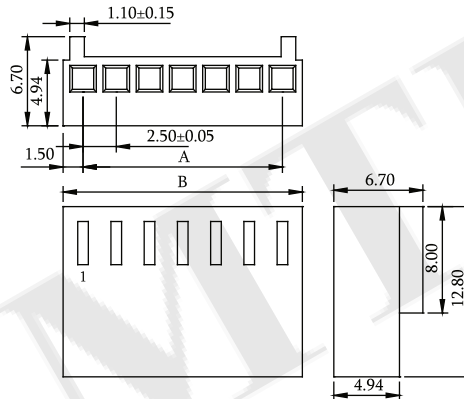


P/N.:5T2510N-XXXRC01

P:Phosphor Bronze
B:Brass

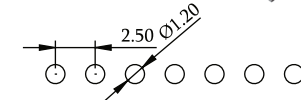
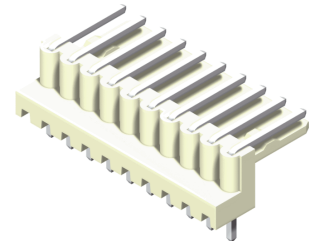
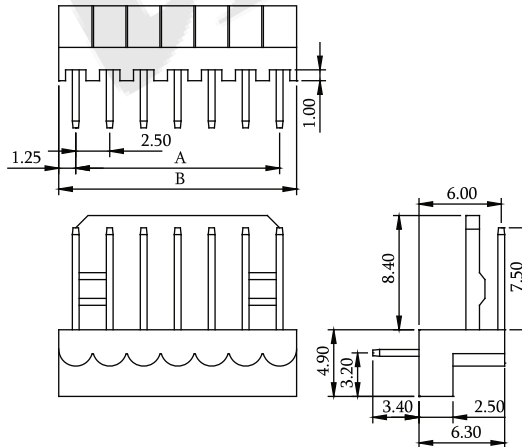
T0: Tin plated
G0: Gold plated

No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
02	2.50	5.50	12	27.50	30.50
03	5.00	8.00	13	30.00	33.00
04	7.50	10.50	14	32.50	35.50
05	10.00	13.00	15	35.00	38.00
06	12.50	15.50	16	37.50	40.50
07	15.00	18.00	17	40.00	43.00
08	17.50	20.50	18	42.50	45.50
09	20.00	23.00	19	45.00	48.00
10	22.50	25.50	20	47.50	50.50
11	25.00	28.00			



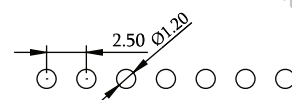
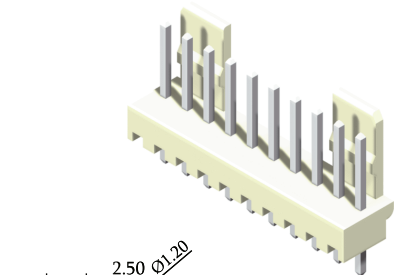
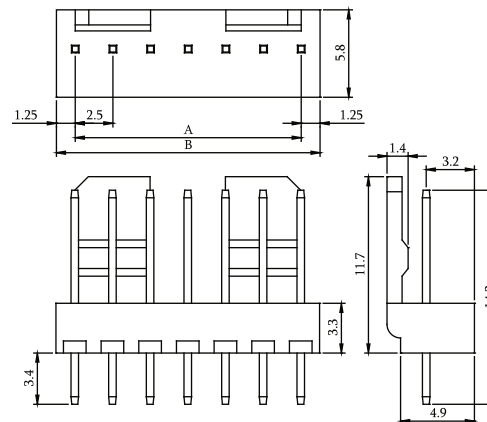
P/N.:5H2510N0-1XXWBL00C01

No. of Contacts	Dimensions	
	A	B
02	2.50	5.00
03	5.00	7.50
04	7.50	10.00
05	10.00	12.50
06	12.50	15.00
07	15.00	17.50
08	17.50	20.00
09	20.00	22.50
10	22.50	25.00
11	25.00	27.50
12	27.50	30.00
13	30.00	32.50
14	32.50	35.00
15	35.00	37.50
16	37.50	40.00
17	40.00	42.50
18	42.50	45.00
19	45.00	47.50
20	47.50	50.00



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2510R0-1XXT0WBLC01



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2510S0-1XXT0WBLC01

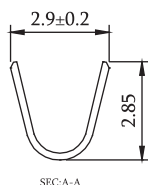
2.5mm 2511 Series Terminal / Female Housing / Wafer Straight Type

Specifications

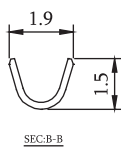
Current Rating: 3A AC, DC
Contact Resistance: 20mΩ Max.
Insulation Resistance: 1000MΩ Min.
Dielectric Voltage: 1000V AC/minute
Operation Temperature: -25°C to +85°C

Material

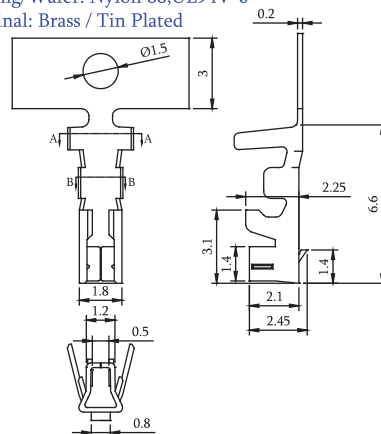
Housing/Wafer: Nylon 66,UL94V-0
Terminal: Brass / Tin Plated



SEC-A-A



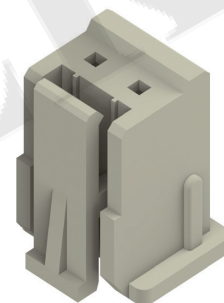
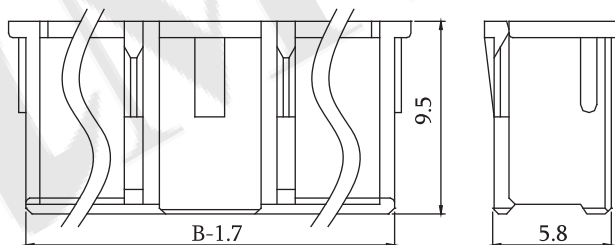
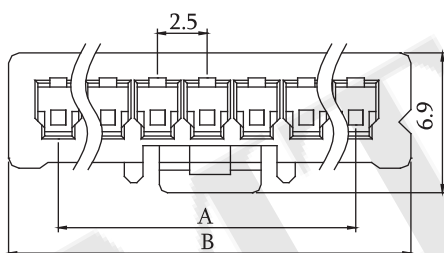
SEC-B-B



Wire Range	Insulation O.D.	Material
AWG#20-#28	1.8mm Max.	Phosphor Bronze

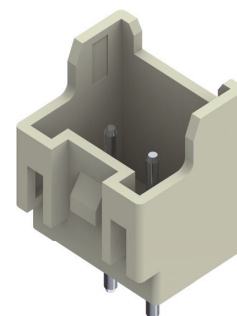
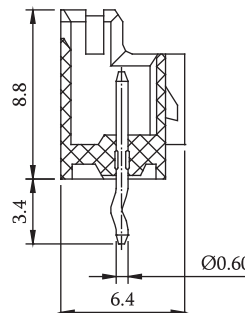
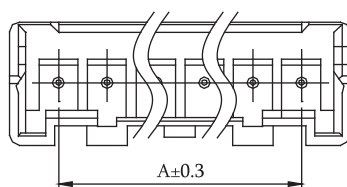
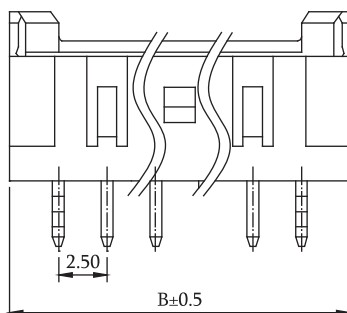
P/N.:5T2511F-PT0R501

No. of Contacts	Dimensions(mm)	
	A	B
02	2.50	7.30
03	5.00	9.80
04	7.50	12.30
05	10.00	14.80
06	12.50	17.30
07	15.00	19.80
08	17.50	22.30
09	20.00	24.80
10	22.50	27.30
11	25.00	29.80
12	27.50	32.30
13	30.00	34.80
14	32.50	37.30
15	35.00	39.80
16	37.50	42.30
17	40.00	44.80
18	42.50	47.30
19	45.00	49.80
20	47.50	52.30



P/N.:5H2511F0-1XXWBL00501

No. of Contacts	Dimensions(mm)	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00
18	42.50	47.50
19	45.00	50.00
20	47.50	52.50



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2511S0-1XXT0WBL501

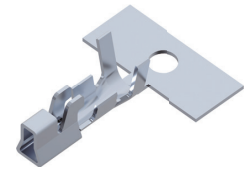
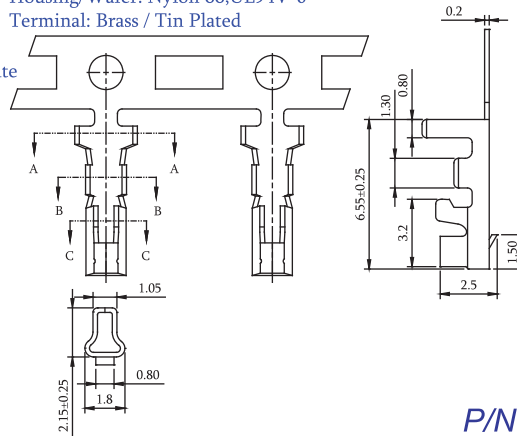
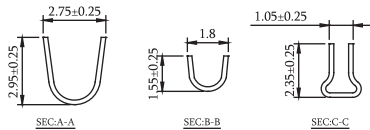
2.5mm 2513 Series Female Terminal / Housing / Wafer Straight Type

Specifications

Current Rating: 3A AC, DC
Contact Resistance: 20mΩ Max.
Insulation Resistance: 1000MΩ Min.
Dielectric Voltage: 1000V AC for one minute
Operation Temperature: -25°C to +85°C

Material

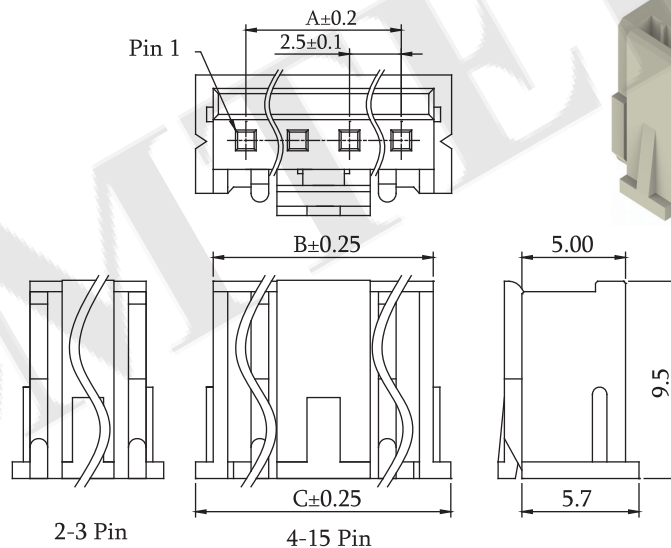
Housing/Wafer: Nylon 66, UL94V-0
Terminal: Brass / Tin Plated



Wire Range	Insulation O.D.	Material
AWG#22-#28	Ø1.9mm Max.	Phosphor Bronze

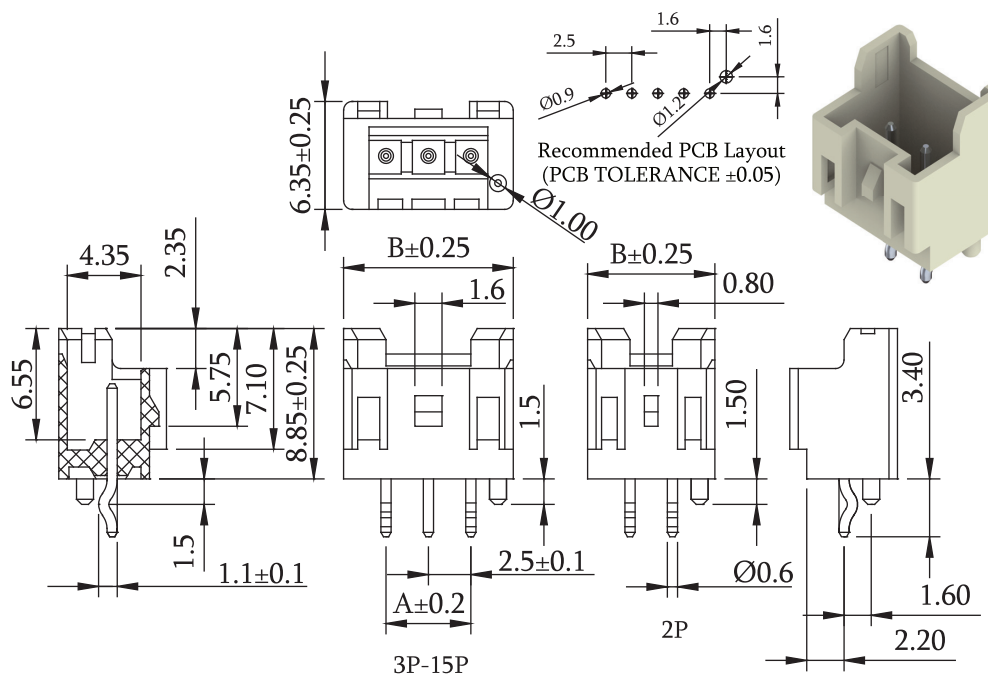
P/N.:5T2513F-PT0RG01

No. of Contacts	Dimensions(mm)		
	A	B	C
02	2.50	5.64	7.30
03	5.00	8.14	9.80
04	7.50	10.64	12.30
05	10.00	13.14	14.80
06	12.50	15.64	17.30
07	15.00	18.14	19.80
08	17.50	20.64	22.30
09	20.00	23.14	24.80
10	22.50	25.64	27.30
11	25.00	28.14	29.80
12	27.50	30.64	32.30
13	30.00	33.14	34.80
14	32.50	35.64	37.30
15	35.00	38.14	39.80



P/N.:5H2513N0-1XXWBL00G01

No. of Contacts	Dimensions(mm)	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00



P/N.:5W2513S0-1XXT0WBLG01

Housing Wafer Terminal



RoHS

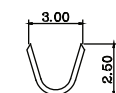
2.5mm 2515 Series Terminal / Housing / Wafer Right Angle & Straight Type

Specifications

Current Rating: 3A AC,DC
Voltage Rating: 250V AC,DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 500MΩ Min
Withstanding Voltage: 1500V AC/minute

Material

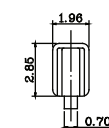
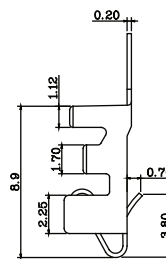
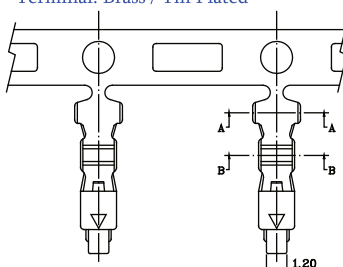
Housing/Wafer: Nylon 66,UL94V-0
Terminal: Brass / Tin Plated



SEC: A-A



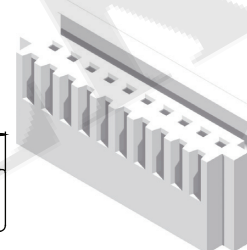
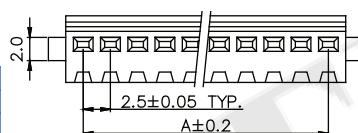
SEC: B-B



Part No.	Wire Range	Insulation O.D.	Material	Finish
5T2515N-BT0	#22-#28	1.6~1.2mm(Max)	Brass	Tin Plated

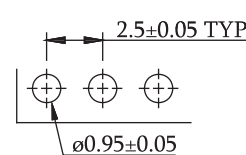
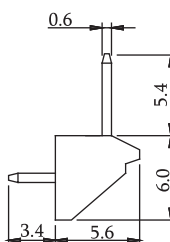
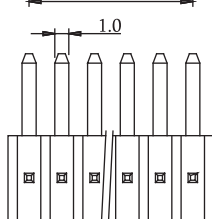
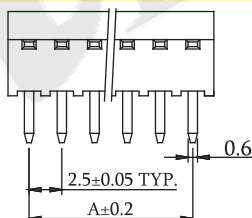
P/N.:5T2515N-BT0RB01

No. of Contacts	Dimensions			No. of Contacts	Dimensions		
	A	B	C		A	B	C
02	2.50	5.70	8.70	12	27.50	30.70	33.70
03	5.00	8.20	11.20	13	30.00	33.20	36.20
04	7.50	10.70	13.70	14	32.50	35.70	38.70
05	10.00	13.20	16.20	15	35.00	38.20	41.20
06	12.50	15.70	18.70	16	37.50	40.70	43.70
07	15.00	18.20	21.20	17	40.00	43.20	46.20
08	17.50	20.70	23.70	18	42.50	45.70	48.70
09	20.00	23.20	26.20	19	45.00	48.20	51.20
10	22.50	25.70	28.70	20	47.50	50.70	53.70
11	25.00	28.20	31.20				



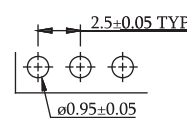
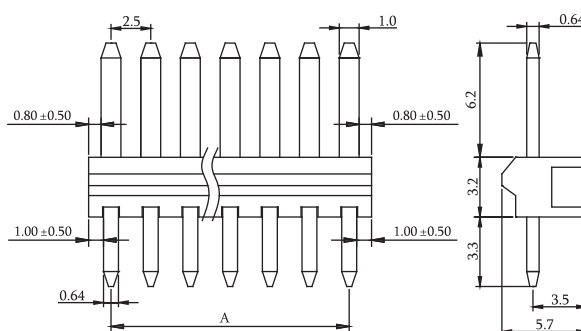
P/N.:5H2515N0-1XXWBL00B01

No. of Contacts	Dimensions
02	2.50
03	5.00
04	7.50
05	10.00
06	12.50
07	15.00
08	17.50
09	20.00
10	22.50
11	25.00
12	27.50
13	30.00
14	32.50
15	35.00
16	37.50
17	40.00
18	42.50
19	45.00
20	47.50



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2515R0-1XXT0WBLB01



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2515S0-1XXT0WBLB01

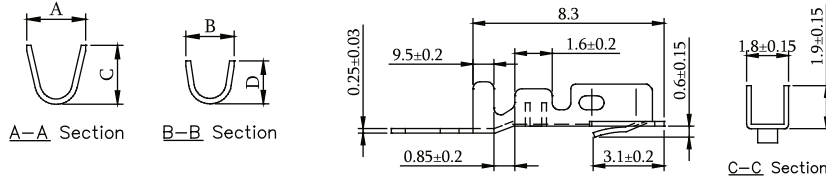
2.5mm 2517 Series Terminal / Housing / Wafer Right Angle & Straight Type

Specifications

Current Rating: 3A AC,DC
Voltage Rating: 250V AC,DC
Temperature Range: -25°C to +85°C
Contact Resistance: 30mΩ Max
Insulation Resistance: 500MΩ Min
Withstanding Voltage: 1500V AC/minute

Material

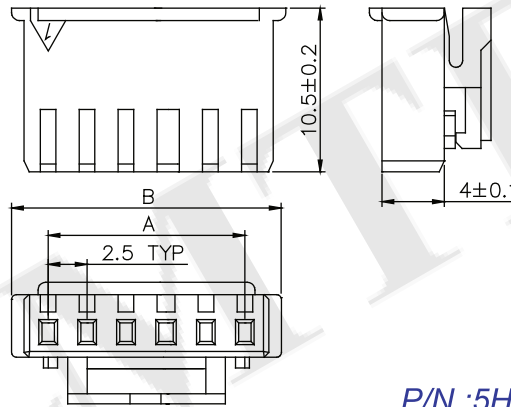
Housing/Wafer: Nylon 66,UL94V-0
Terminal: Brass / Tin Plated



Part No.	Wire Range	Insulation O.D.	Material	Finish	A	B	C	D
5T2517N-PT0R-01	#22-#26	1.7~1.35mm(Max)	Phosphor Bronze	T/N	2.30	1.90	2.25	1.65
5T2517N-PT0R-02	#28-#30	1.2~1.05mm(Max)			2.05	1.40	2.05	1.30

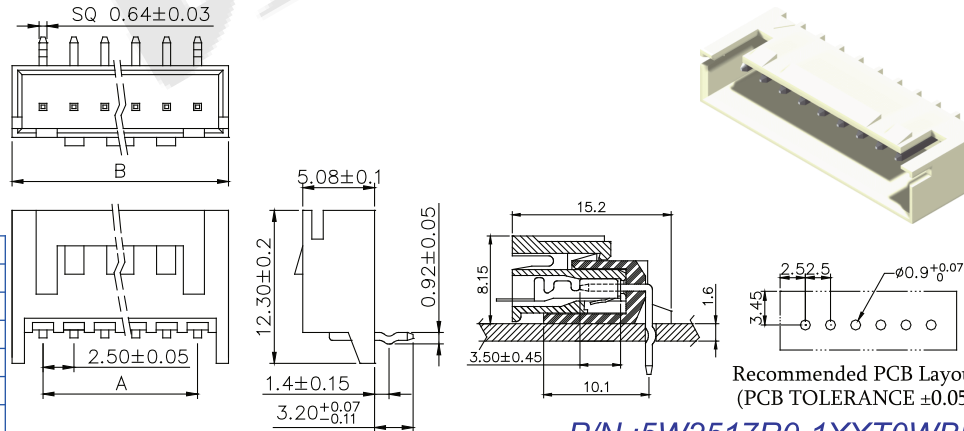
P/N.:5T2517N-PT0RB01

No. of Contacts	Dimensions	
	A	B
02	2.50	7.10
03	5.00	9.60
04	7.50	12.10
05	10.00	14.60
06	12.50	17.10
07	15.00	19.60
08	17.50	22.10
09	20.00	24.60
10	22.50	27.10
11	25.00	29.60
12	27.50	32.10
13	30.00	34.60
14	32.50	37.10
15	35.00	39.60

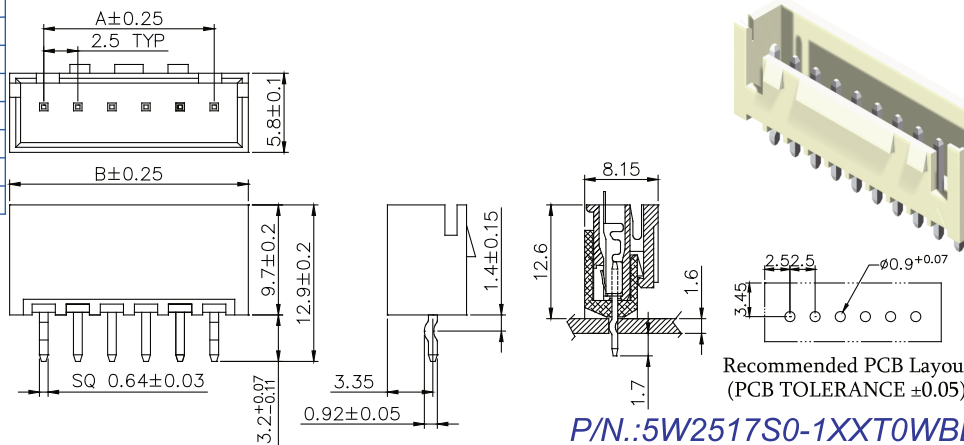


P/N.:5H2517N0-1XXWBL00B01

No. of Contacts	Dimensions	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00



P/N.:5W2517R0-1XXT0WBLB01



P/N.:5W2517S0-1XXT0WBLB01

2.5mm 2525 Series Wafer Right Angle Type

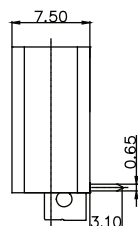
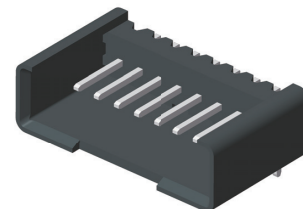
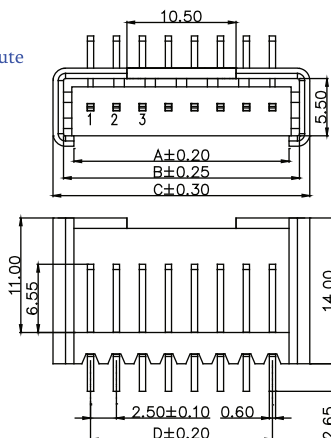
Specifications

Current Rating: 5A AC,DC
 Temperature Range: -40°C to +105°C
 Contact Resistance: 10mΩ Max
 Insulation Resistance: 1000MΩ Min
 Withstanding Voltage: 1500V AC/minute

Material

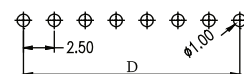
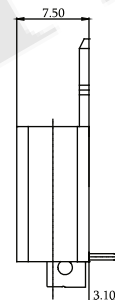
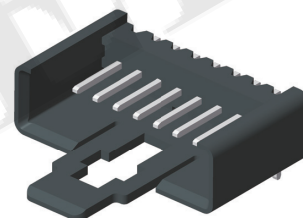
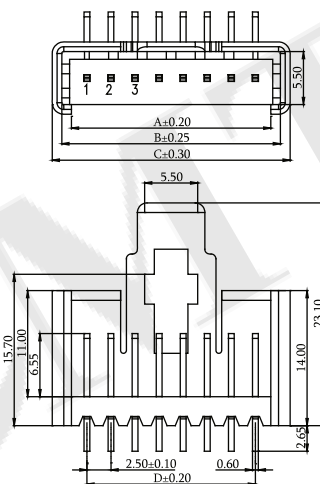
Wafer: PBT+30%G.F, UL94V-0
 Terminal: Brass / Tin Plated

No. of Contacts	Dimension			
	A	B	C	D
02	5.70	7.70	9.70	2.50
03	8.20	10.20	12.20	5.00
04	10.70	12.70	14.70	7.50
05	13.20	15.20	17.20	10.00
06	15.70	17.70	19.70	12.50
07	18.20	20.20	22.20	15.00
08	20.70	22.70	24.70	17.50
09	23.20	25.20	27.20	20.00
10	25.70	27.70	29.70	22.50
11	28.20	30.20	32.20	25.00
12	30.70	32.70	34.70	27.50
13	33.20	35.20	37.20	30.00
14	35.70	37.70	39.70	32.50
15	38.20	40.20	42.20	35.00
16	40.70	42.70	44.70	37.50
17	43.20	45.20	47.20	40.00
18	45.70	47.70	49.70	42.50
19	48.20	50.20	52.20	45.00
20	50.70	52.70	54.70	47.50



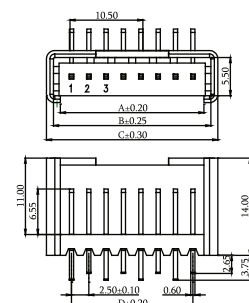
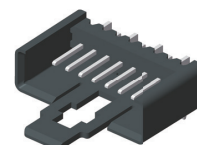
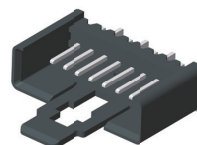
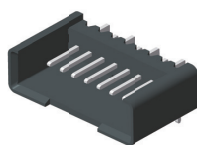
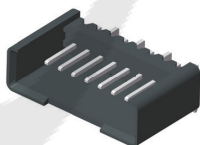
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.: 5W2525R0-1XXT0GXLM01
02~20P

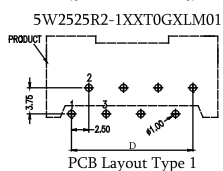
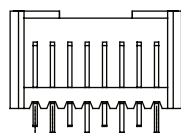


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

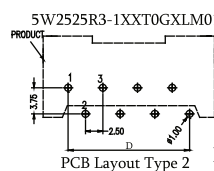
P/N.: 5W2525R1-1XXT0GXLM01
04~20P



02P

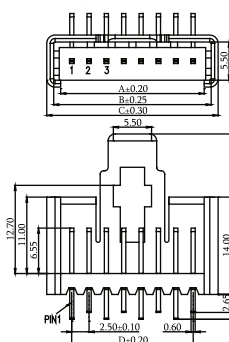


PCB Layout Type 1

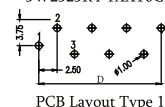


PCB Layout Type 2

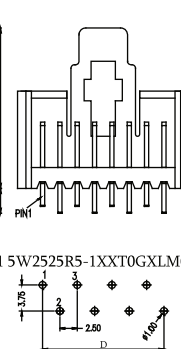
Recommended PCB Layout
(PCB TOLERANCE ±0.05)



5W2525R4-1XXT0GXLM01 5W2525R5-1XXT0GXLM01



PCB Layout Type 1



PCB Layout Type 2

P/N.: 5W2525RX-1XXT0GXLM01

2:W/O Latch Type 1 3:W/O Latch Type 2 (02~20P)
 4:With Latch Type 1 5:With Latch Type 2 (04~20P)

2.5mm 2525 Series Wafer Straight Type

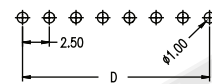
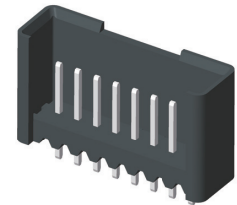
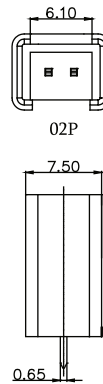
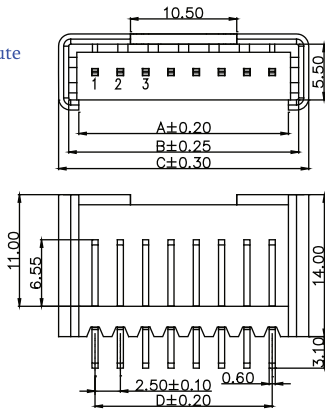
Specifications

Current Rating: 5A AC,DC
 Temperature Range: -40°C to +105°C
 Contact Resistance: 10mΩ Max
 Insulation Resistance: 1000MΩ Min
 Withstanding Voltage: 1500V AC/minute

Material

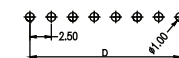
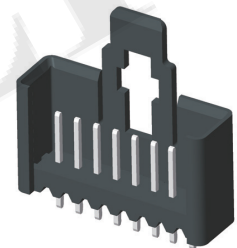
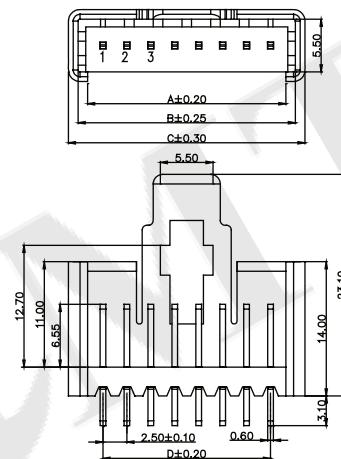
Wafer: PBT+30%G.F, UL94V-0
 Terminal: Brass / Tin Plated

No. of Contacts	Dimension			
	A	B	C	D
02	5.70	7.70	9.70	2.50
03	8.20	10.20	12.20	5.00
04	10.70	12.70	14.70	7.50
05	13.20	15.20	17.20	10.00
06	15.70	17.70	19.70	12.50
07	18.20	20.20	22.20	15.00
08	20.70	22.70	24.70	17.50
09	23.20	25.20	27.20	20.00
10	25.70	27.70	29.70	22.50
11	28.20	30.20	32.20	25.00
12	30.70	32.70	34.70	27.50
13	33.20	35.20	37.20	30.00
14	35.70	37.70	39.70	32.50
15	38.20	40.20	42.20	35.00
16	40.70	42.70	44.70	37.50
17	43.20	45.20	47.20	40.00
18	45.70	47.70	49.70	42.50
19	48.20	50.20	52.20	45.00
20	50.70	52.70	54.70	47.50



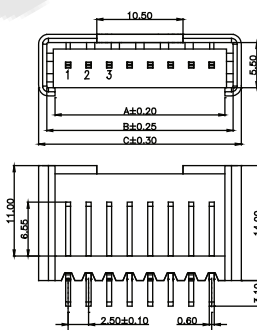
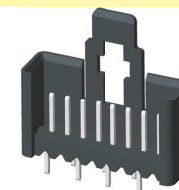
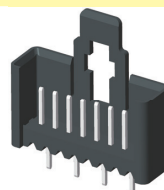
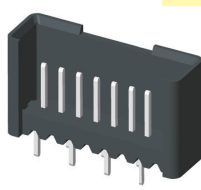
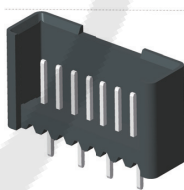
Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

P/N.:5W2525S0-1XXT0GXLM01
 02~20P

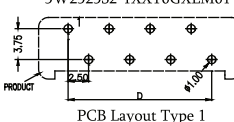
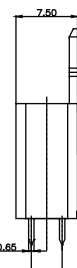
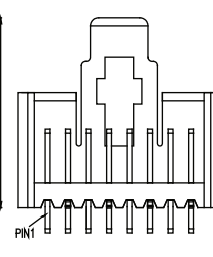
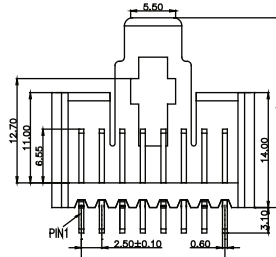
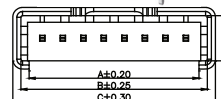
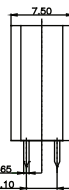


Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

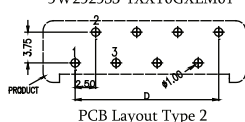
P/N.:5W2525S1-1XXT0GXLM01
 04~20P



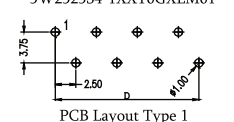
02P



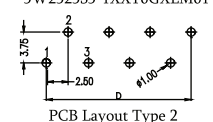
PCB Layout Type 1



PCB Layout Type 2



PCB Layout Type 1



PCB Layout Type 2

Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

P/N.:5W2525SX-1XXT0GXLM01

2:W/O Latch Type 1 3:W/O Latch Type 2 (02~20P)
 4:With Latch Type 1 5:With Latch Type 2 (04~20P)

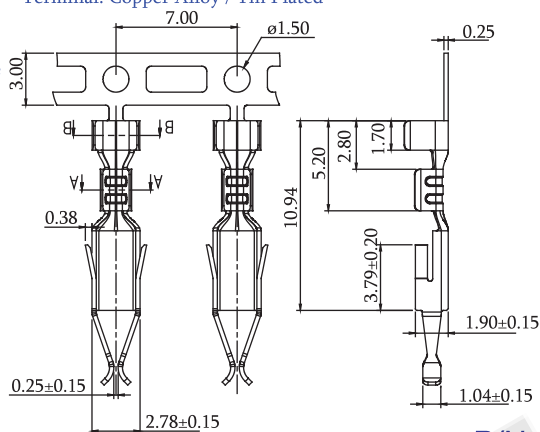
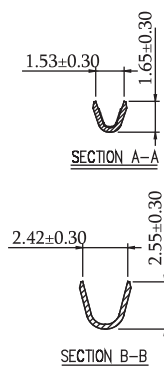
2.5mm 2525 Series Terminal / Hosuing / Wafer IDC Type

Specifications

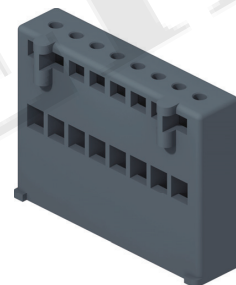
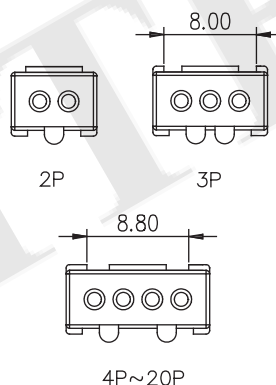
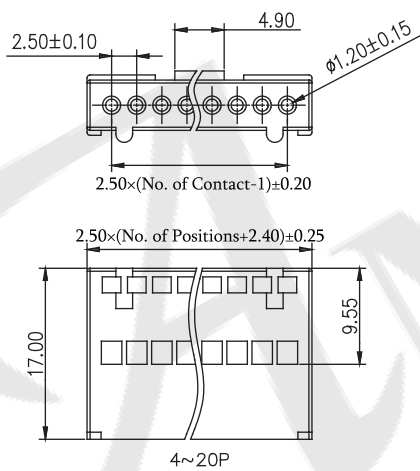
Current Rating: 5A AC,DC
Temperature Range: -40°C to +105°C
Contact Resistance: 10mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1500V AC/minute

Material

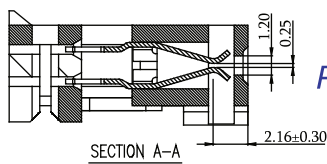
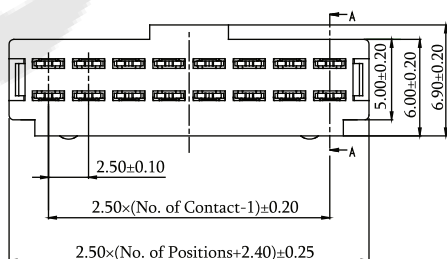
Wafer: PBT, UL94V-0
Terminal: Copper Alloy / Tin Plated



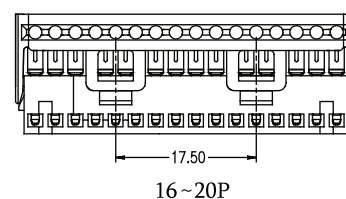
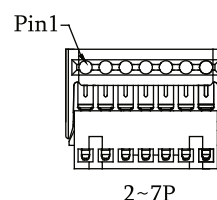
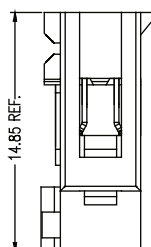
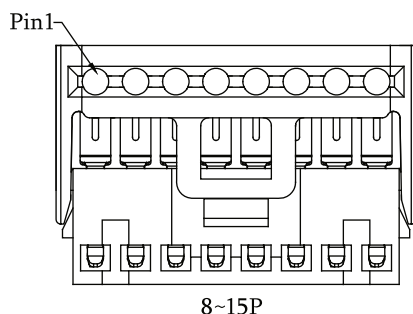
P/N.:5T2525N-PT0RM01



P/N.:5H2525N0-1XXGBL00M01



P/N.:5W2525I0-1XXT0GALM01



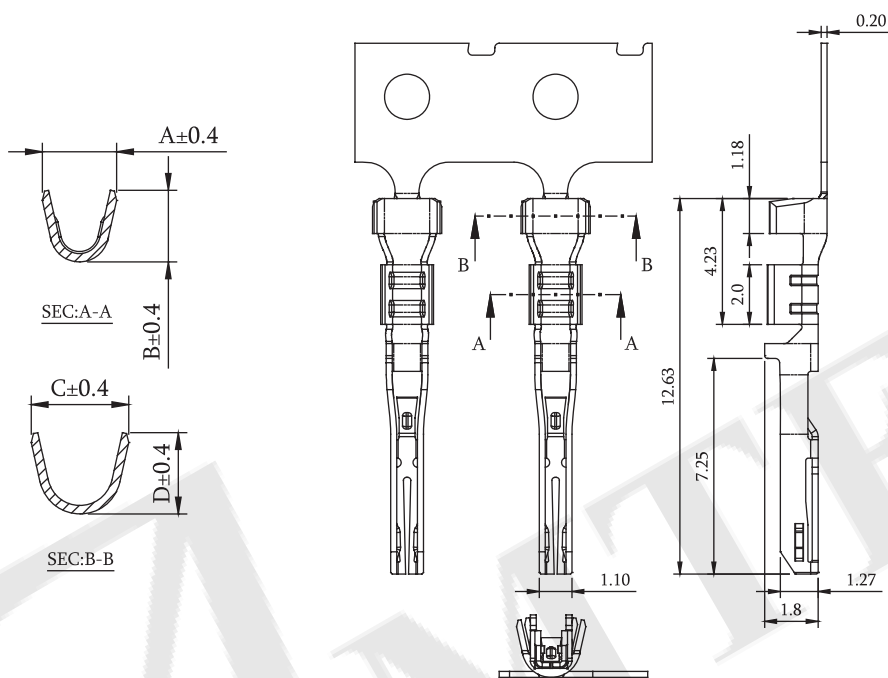
2.5mm 2527 Series Female Terminal / Housing

Specifications

Current Rating: 4A AC, DC
Contact Resistance: 10mΩ Max.
Insulation Resistance: 1000MΩ Min.
Dielectric Voltage: 1500V AC for one minute
Operation Temperature: -40°C to +105°C

Material

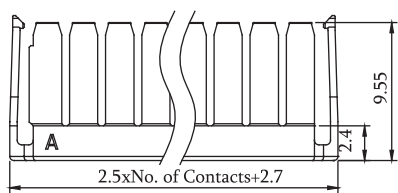
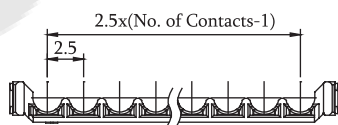
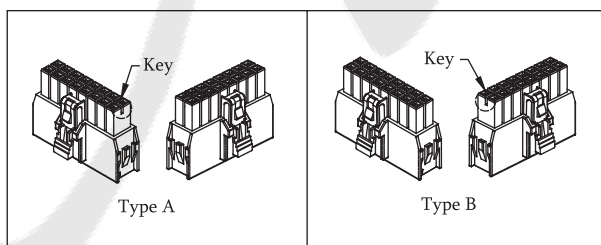
Housing: Nylon 4T + 30% G.F.
Terminal: Brass / Tin Plated



Part No.	Wire Range	Insulation O.D.	Material	Dim. A	Dim. B	Dim. C	Dim. D
5T2527F-ZT0R101	AWG#24-#26	Ø1-1.5mm ±0.1mm	High Conductivity Copper Alloy	1.39	1.45	2.12	2.0
5T2527F-ZT0R102	AWG#20-#22			1.78	1.71	2.33	1.94

P/N.:5T2527F-ZT0R1XX

See Table



Retainer

Part No.	Type	Color	Retainer
5H2527N0-2XXBBU00101	A	Black	With
5H2527N0-2XXBBU00102	A	Black	W/O
5H2527N0-2XXWBU00103	B	Natural	With
5H2527N0-2XXWBU00104	B	Natural	W/O

P/N.:5H2527N0-2XXXBU001XX

See Table

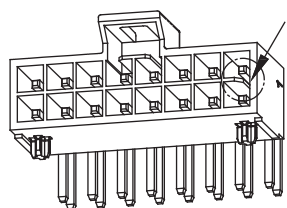
2.5mm 2527 Series Wafer Right Angle / Straight Type

Specifications

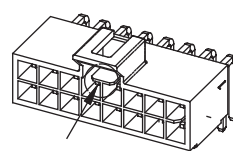
Current Rating: 4A AC, DC
Contact Resistance: 10mΩ Max.
Insulation Resistance: 1000MΩ Min.
Dielectric Voltage: 1500V AC for one minute
Operation Temperature: -40°C to +105°C

Material

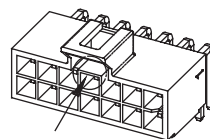
Wafer: LCP
Terminal: Brass / Tin Plated



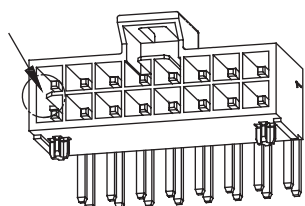
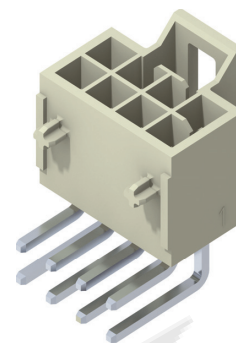
5W2527R1-2XXT0BXUI01



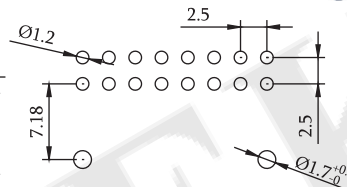
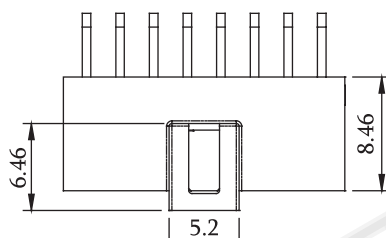
2x2, 2x4, 2x6, 2x8 Pin



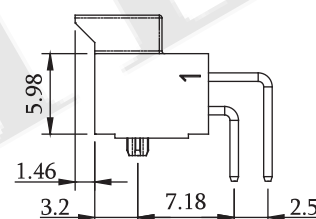
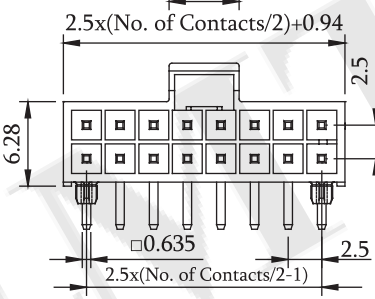
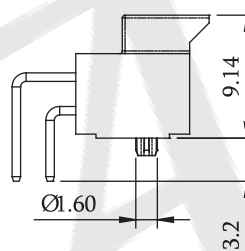
2x3, 2x5, 2x7 Pin



5W2527R1-2XXT0BXUI02

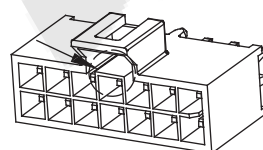


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

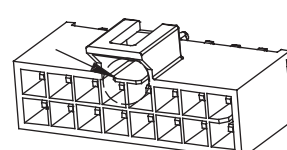


P/N.:5W2527R1-2XXT0XXUIXX

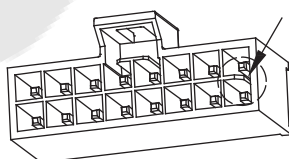
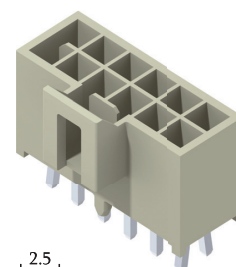
See Drawing



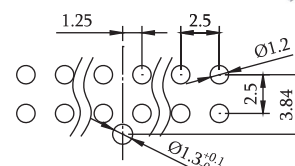
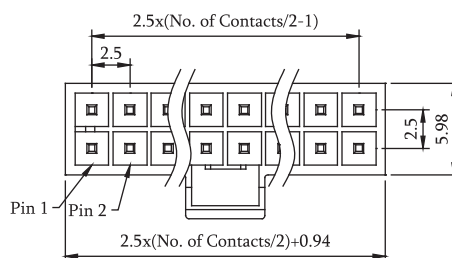
For 6, 10, 14 Pin



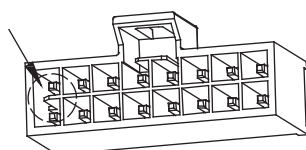
For Other Pins



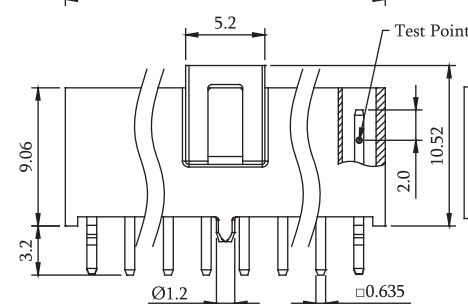
5W2527S0-2XXXXBBUI01
Color: Black



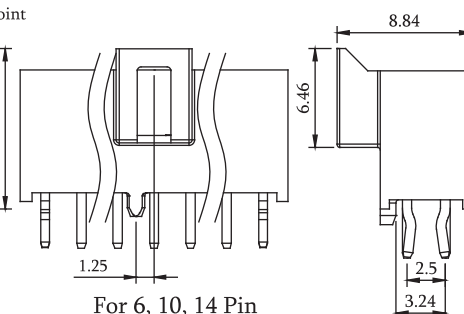
Recommended PCB Layout
(PCB TOLERANCE ±0.05)



5W2527S0-2XXXXWBUI02
Color: Natural



For Other Pins



For 6, 10, 14 Pin

P/N.:5H2527S0-2XXXXBU00IXX

See Drawing