

Board To Wire & Wire To Wire Connectors

3-63~3-78 • Housing Wafer Terminal 2.54mm



AMTEK Technology Co., Ltd

2.54mm 2540 Series Housing IDC Type & Cover

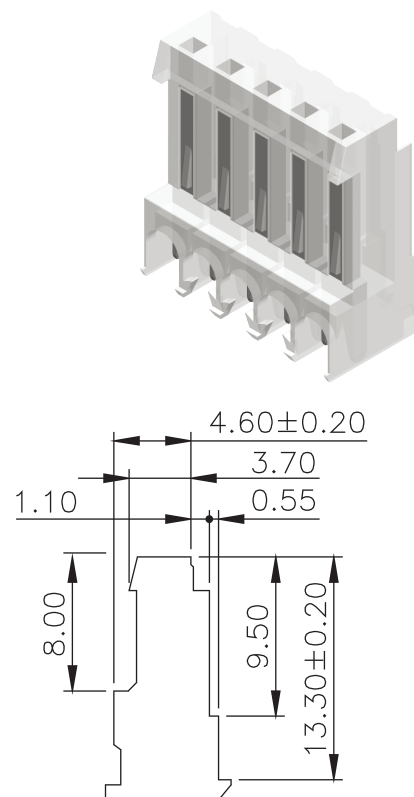
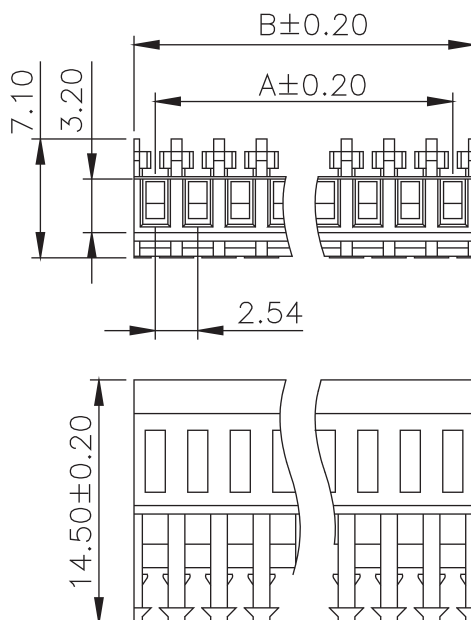
Specifications

Current Rating: 3A AC, DC
Voltage Rating: 250V AC, DC
Temperature Range: -40°C to +105°C
Contact Resistance: 10mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1500V AC/minute

Material

Housing: Nylon 66, UL 94V-2

No. of Contacts	Dimensions	
	A	B
02	2.54	5.08
03	5.08	7.62
04	7.62	10.16
05	10.16	12.70
06	12.70	15.24
07	15.24	17.78
08	17.78	20.32
09	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80
21	50.80	53.34
22	53.34	55.88
23	55.88	58.42
24	58.42	60.96
25	60.96	63.50
26	63.50	66.04
27	66.04	68.58
28	68.58	71.12



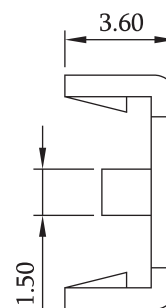
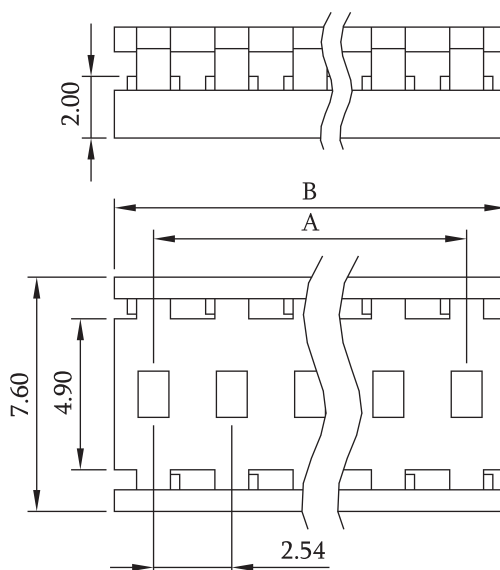
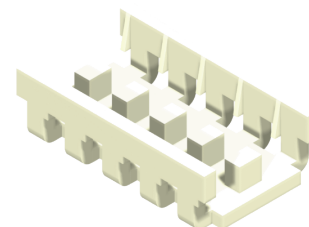
P/N.:5W2540DX-1XXT0XBL*01

C:22 AWG D:24 AWG E:26 AWG F:28 AWG

W:Nylon natural B:Black insulator

U:Blue insulator R:Red insulator G:Green insulator

Optional



COVER

P/N.:5H2540D0-1XXWBL00*01
Optional

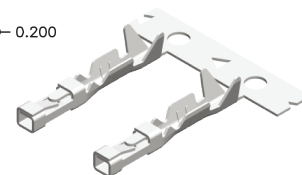
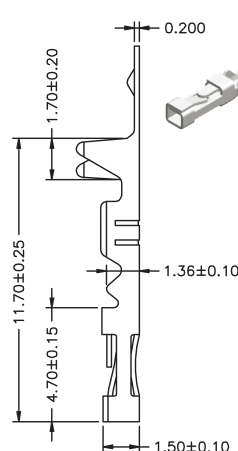
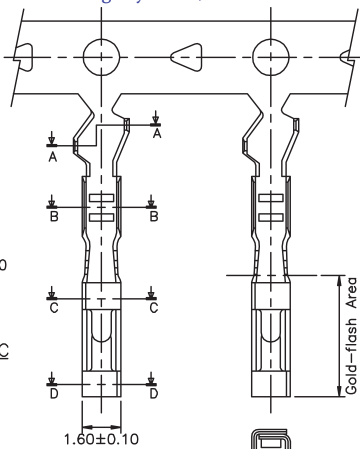
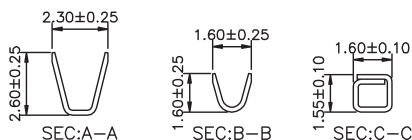
2.54mm 2541 Series Terminal / Housing

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: 800V AC/minute

Material

Housing: Nylon 66, UL 94V-1

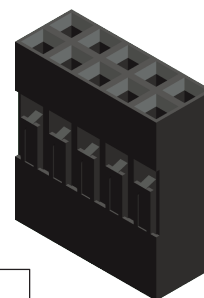
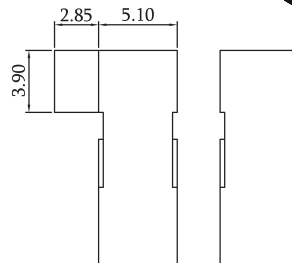
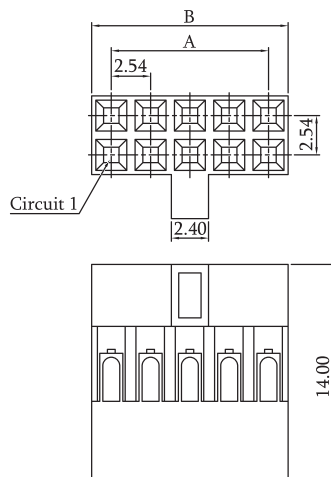


Part No.	Wire Range	Insulation O.D.	Material	Finish
5T2541N-PG0	#22-#26	1.63mm(Max)	Phosphor Bronze	Gold Plated
5T2541N-BG0			Brass	Gold Plated
5T2541N-PT0			Phosphor Bronze	Tin Plated
5T2541N-BT0			Brass	Tin Plated

P/N.:5T2541N-XXXX*01

B:Brass P:Phosphor Bronze
T0:Tin Plated G0:Gold Flash S0:Selective Au Optional

No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
2x01	---	2.54	2x21	50.80	53.34
2x02	2.54	5.08	2x22	53.34	55.88
2x03	5.08	7.62	2x23	55.88	58.42
2x04	7.62	10.16	2x24	58.42	60.96
2x05	10.16	12.70	2x25	60.96	63.50
2x06	12.70	15.24	2x26	63.50	66.04
2x07	15.24	17.78	2x27	66.04	68.58
2x08	17.78	20.32	2x28	68.58	71.12
2x09	20.32	22.86	2x29	71.12	73.66
2x10	22.86	25.40	2x30	73.66	76.20
2x11	25.40	27.94	2x31	76.20	78.74
2x12	27.94	30.48	2x32	78.74	81.28
2x13	30.48	33.02	2x33	81.28	83.82
2x14	33.02	35.56	2x34	83.82	86.36
2x15	35.56	38.10	2x35	86.36	88.90
2x16	38.10	40.64	2x36	88.90	91.44
2x17	40.64	43.18	2x37	91.44	93.98
2x18	43.18	45.72	2x38	93.98	96.52
2x19	45.72	48.26	2x39	96.52	99.06
2x20	48.26	50.80	2x40	99.06	101.60

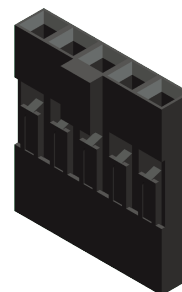
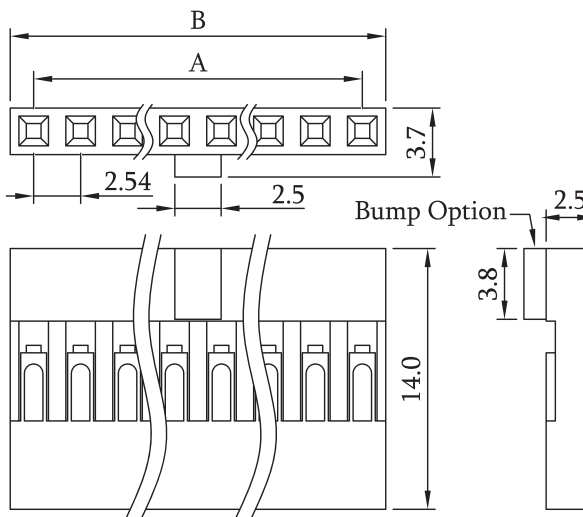


With Bump W/O Bump

P/N.:5H2541NX-2XXBBL00*01

0:W/O Bump 1:With Bump Optional

No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
2x01	---	2.65	2x21	50.80	53.54
2x02	2.54	5.28	2x22	53.34	56.08
2x03	5.08	7.82	2x23	55.88	58.62
2x04	7.62	10.36	2x24	58.42	61.16
2x05	10.16	12.90	2x25	60.96	63.70
2x06	12.70	15.44	2x26	63.50	66.24
2x07	15.24	17.98	2x27	66.04	68.78
2x08	17.78	20.52	2x28	68.58	71.32
2x09	20.32	23.06	2x29	71.12	73.86
2x10	22.86	25.60	2x30	73.66	76.40
2x11	25.40	28.14	2x31	76.20	78.94
2x12	27.94	30.68	2x32	78.74	81.48
2x13	30.48	33.22	2x33	81.28	84.02
2x14	33.02	35.76	2x34	83.82	86.56
2x15	35.56	38.30	2x35	86.36	89.10
2x16	38.10	40.84	2x36	88.90	91.64
2x17	40.64	43.38	2x37	91.44	94.18
2x18	43.18	45.92	2x38	93.98	96.72
2x19	45.72	48.46	2x39	96.52	99.26
2x20	48.26	51.00	2x40	99.06	101.80



P/N.:5H2541NX-1XXBBL00*01

0:W/O Bump 1:With Bump Optional

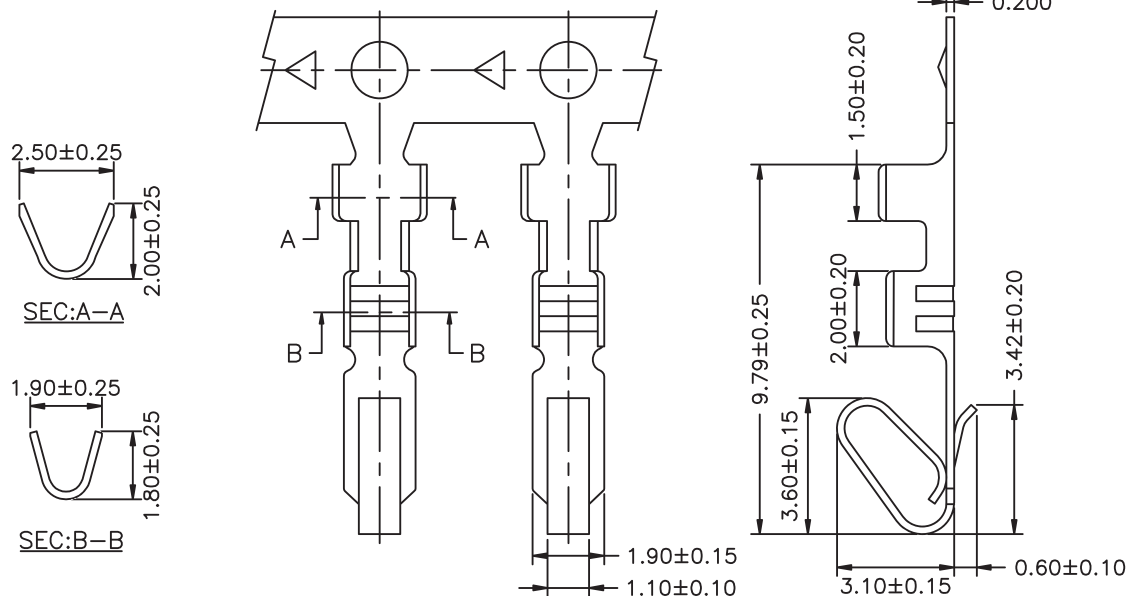
2.54mm 2542 Series Terminal / Housing / Wafer Right Angle & Straight Type

Specifications

Current Rating: 4A 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

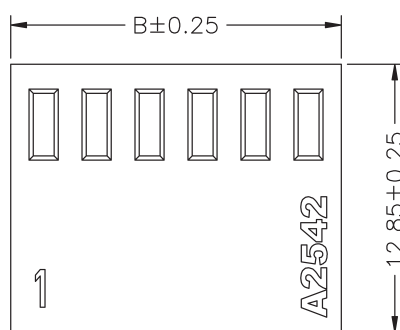
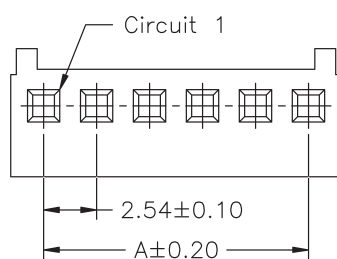
Material

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

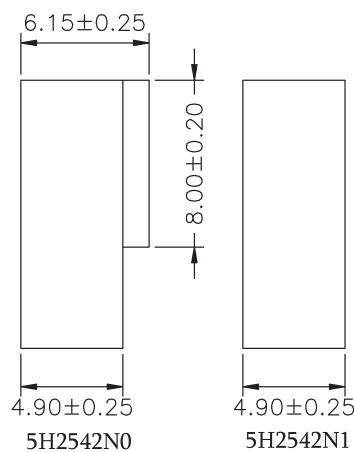


Part No.	Wire Range	Insulation O.D.	Material	Finish
5T2542N-BG0	#24-#30	1.57mm(Max)	Brass	Gold Plated
5T2542N-BT0			Brass	Tin Plated
5T2542N-PT0			Phosphor Bronze	

P/N.:5T2542N-XXXR*01
B:Brass P:Phosphor Bronze T: Tin Plated G0:Gold Flash Optional



Old Part No.:2542H-XXW-L



P/N.:5H2542NX-1XXWBL00*01
0:Type 0 1:Type 1 Optional

2.54mm 2542 Series Terminal / Housing / Wafer Right Angle & Straight Type

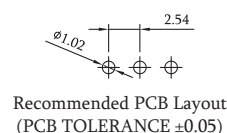
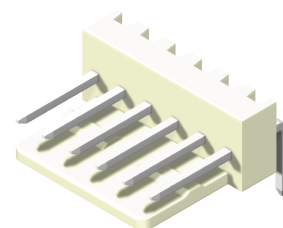
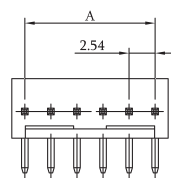
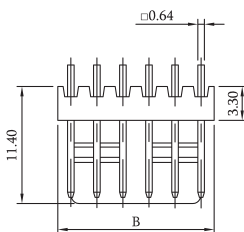
Specifications

Current Rating: 4A 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, UL 94V-2 or UL 94V-0
Terminal: Brass / Tin Plated

No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
02	2.54	5.08	12	27.94	30.48
03	5.08	7.62	13	30.48	33.02
04	7.62	10.16	14	33.02	35.56
05	10.16	12.70	15	35.56	38.10
06	12.70	15.24	16	38.10	40.64
07	15.24	17.78	17	40.64	43.18
08	17.78	20.32	18	43.18	45.72
09	20.32	22.86	19	45.72	48.26
10	22.86	25.40	20	48.26	50.80
11	25.40	27.94	---	---	---

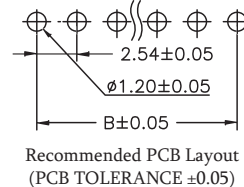
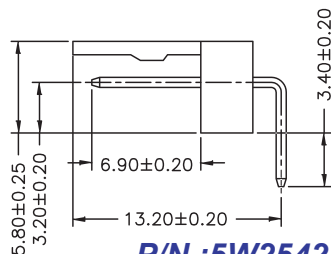
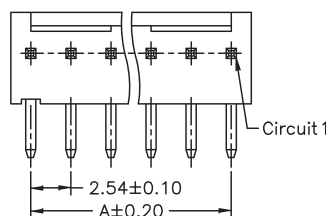
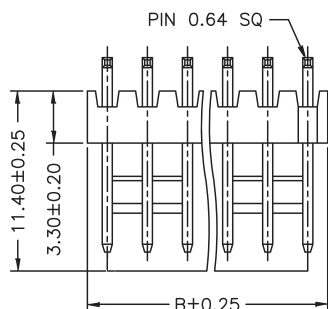


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2542R0-1XXT0WBL*XX

Optional
01:UL 94V-2 02:UL 94V-0

No. of Contacts	Dimensions	
	A	B
02	2.54	5.08
03	5.08	7.62
04	7.62	10.16
05	10.16	12.70
06	12.70	15.24
07	15.24	17.78
08	17.78	20.32
09	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80

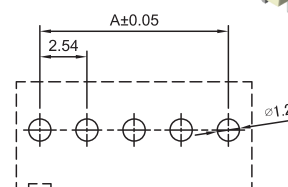
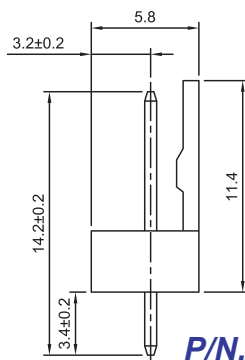
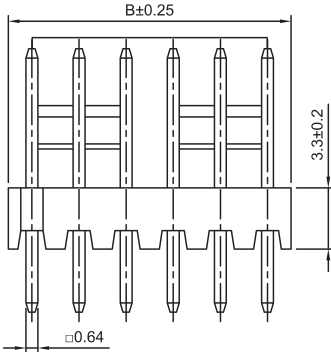
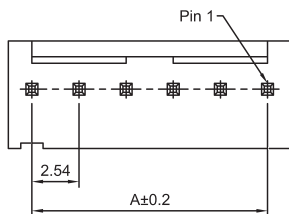


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2542R1-1XXT0WBL*01

Optional

No. of Contacts	Dimensions	
	A	B
02	2.54	5.08
03	5.08	7.62
04	7.62	10.16
05	10.16	12.70
06	12.70	15.24
07	15.24	17.78
08	17.78	20.32
09	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2542S0-1XXT0WBL*XX

Optional
See Table

CONNECTORS MANUFACTURER

Old P/N.:2542 Series
2544 Series

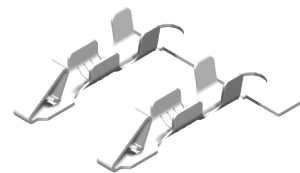
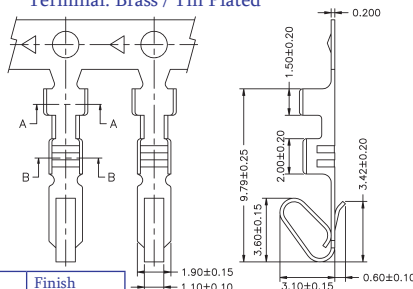
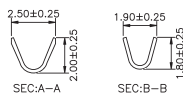
2.54mm 2542 Series Terminal / 2544 Series Housing / Wafer Right Angle & Straight Type

Specifications

Current Rating: 4A 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

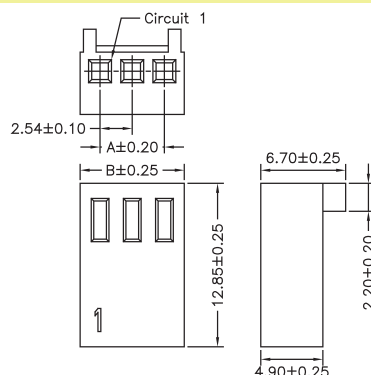
Housing / Wafer: Nylon 66, UL 94V-2
Terminal: Brass / Tin Plated



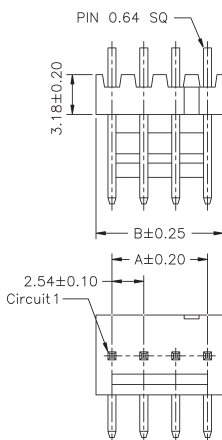
Part No.	Wire Range	Insulation O.D.	Material	Finish
5T2542N-BG0	#24-#30	1.57mm(Max)	Brass	Gold Plated
5T2542N-BT0			Brass	Tin Plated
5T2542N-PT0			Phosphor Bronze	Tin Plated

P/N.:5T2542N-XXXXR*01
B:Brass P:Phosphor Bronze T:Tin Plated G:Gold Flash Optional

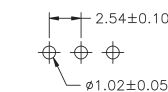
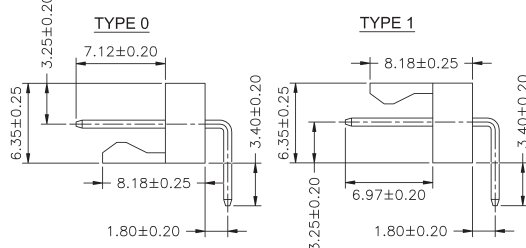
No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
02	2.54	5.68	12	27.94	31.08
03	5.08	8.22	13	30.48	33.62
04	7.62	10.76	14	33.02	36.16
05	10.16	13.30	15	35.56	38.70
06	12.70	15.84	16	38.10	41.24
07	15.24	18.38	17	40.64	43.78
08	17.78	20.92	18	43.18	46.32
09	20.32	23.46	19	45.72	48.86
10	22.86	26.00	20	48.26	51.40
11	25.40	28.54	---	---	---



P/N.:5H2544N0-1XXXXRL00*XX
T:Tin Plated G:Gold Flash Optional B:Bag H:Reel W/O Cap

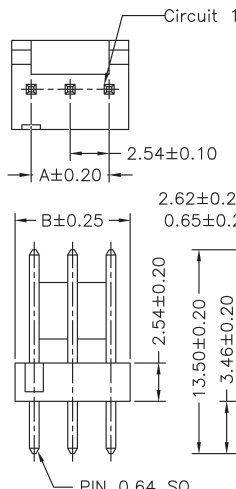
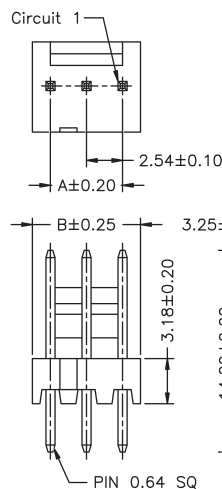


No. of Contacts	Dimensions		No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B		A	B
02	2.54	5.08	09	20.32	22.86	16	38.10	40.64
03	5.08	7.62	10	22.86	25.40	17	40.64	43.18
04	7.62	10.16	11	25.40	27.94	18	43.18	45.72
05	10.16	12.70	12	27.94	30.48	19	45.72	48.26
06	12.70	15.24	13	30.48	33.02	20	48.26	50.80
07	15.24	17.78	14	33.02	35.56	---	---	---
08	17.78	20.32	15	35.56	38.10	---	---	---

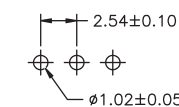


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2544RX-1XXXT0RBL*01
0:Type 0 1:Type 1 Optional



P/N.:5W2544S0-1XXXT0XBL*01
R:Red W:Natural B:Black Optional



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2544S1-1XXXXWBL*01
T:Tin Plated G:Gold Flash Optional

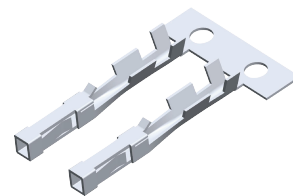
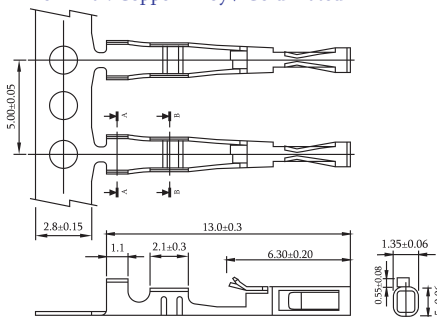
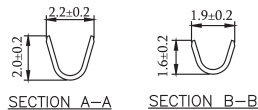
2.54mm 2545 Series Terminal / Housing / Wafer Right Angle & Straight Type

Specifications

Current Rating: 2.5AMP
Voltage Rating: 250V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 600V AC/minute

Material

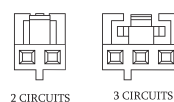
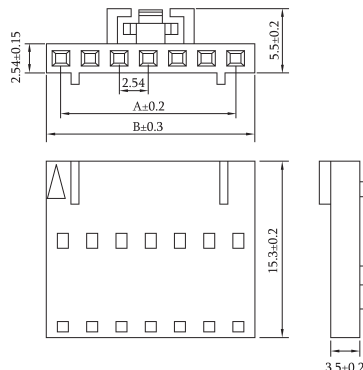
Housing / Wafer: PBT, UL 94V-0
Terminal: Copper Alloy / Gold Plated



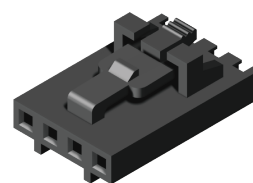
Thickness	Wire Range	Insulation O.D.	Material
0.2mm	#24-#28	1.70mm(Max)	Phosphor Bronze

P/N.:5T2545N-PXXR*01
G0:Gold Flash GF:Au 15u" T0:Tin Plated  Optional

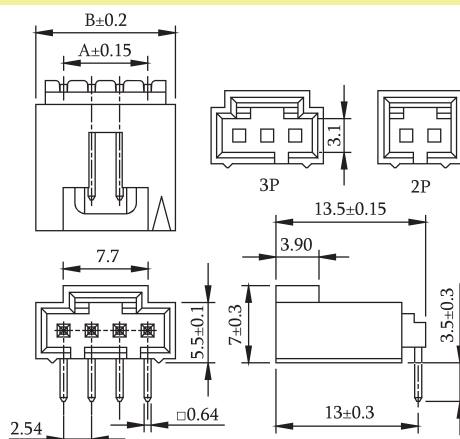
No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
02	2.54	5.35	11	25.40	28.21
03	5.08	7.89	12	27.94	30.75
04	7.62	10.43	13	30.48	33.29
05	10.16	12.97	14	33.02	35.83
06	12.70	15.51	15	35.54	38.37
07	15.24	18.05	16	38.10	40.91
08	17.78	20.59	17	40.64	43.45
09	20.32	23.13	18	43.18	45.99
10	22.86	25.67	---	---	---



P/N.:5H2545N1-1XXBBL00*01
Optional 

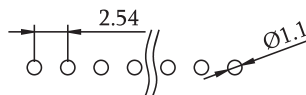
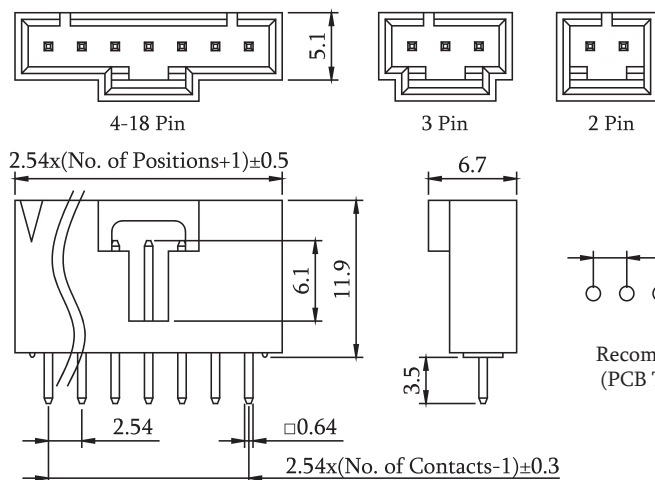
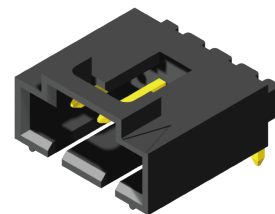


No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
02	2.54	7.62	11	25.40	30.48
03	5.08	10.16	12	27.94	33.02
04	7.62	12.70	13	30.48	35.56
05	10.16	15.24	14	33.02	38.10
06	12.70	17.78	15	35.56	40.64
07	15.24	20.32	16	38.10	43.18
08	17.78	22.86	17	40.64	45.72
09	20.32	25.40	18	43.18	48.26
10	22.86	27.94	---	---	---



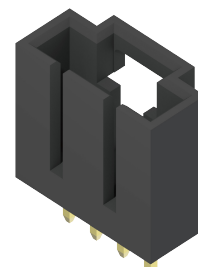
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2545R0-1XXXXBBL*01
G0:Gold Flash GD: Au 30u" T0:Tin Plated  Optional



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2545S0-1XXXXBBL*01
GA:Au 5u" GB:Au 10u" GF:Au 15u"  Optional
G0:Gold Plated T0:Tin Plated



2.54mm 2545 Series Wafer SMT R/A & Right Angle Type

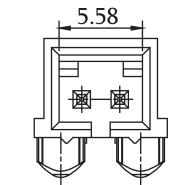
Specifications

Current Rating: 3A AC, DC
Voltage Rating: 250V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1500V AC/minute

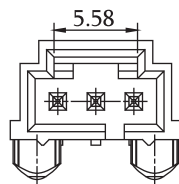
Material

Wafer: 5W2545H0: Nylon 6T, UL 94V-0
Other: PBT, UL 94V-0
Terminal: Brass / Gold Plated

No. of Contacts	Dimensions			
	A	B	C	D
02	2.54	8.89	---	5.33
03	5.08	11.43	8.12	7.87
04	7.62	13.97	10.66	10.41
05	10.16	16.51	13.20	12.95
06	12.70	19.05	15.74	15.49
07	15.24	21.59	18.28	18.03
08	17.78	24.13	20.82	20.57
09	20.32	26.67	23.36	23.11
10	22.86	29.21	25.90	25.65
11	25.40	31.75	28.44	28.19
12	27.94	34.29	30.98	30.73

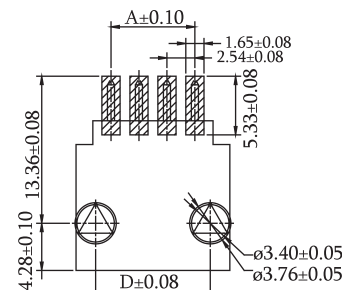
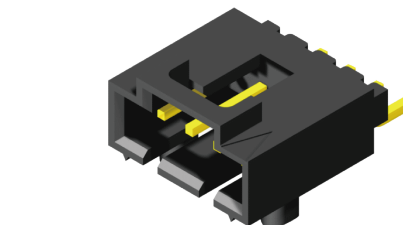
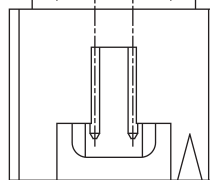


02P

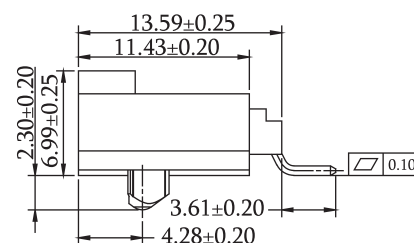
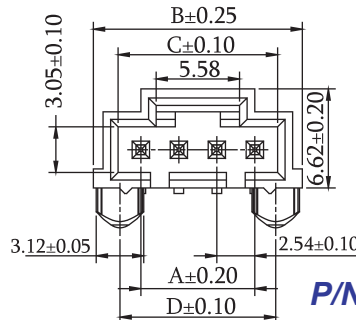
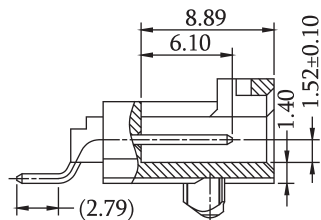


03P

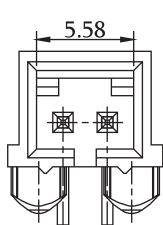
PIN 0.64 SQ
Circuit 1



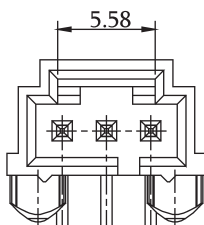
Recommended PCB Layout
(PCB TOLERANCE ±0.05)



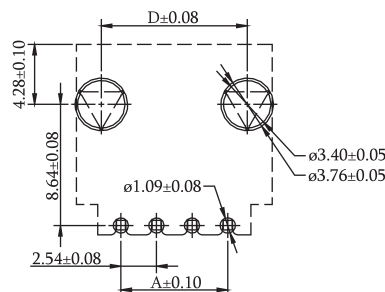
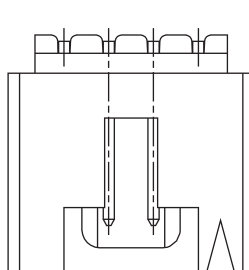
P/N.:5W2545H0-1XXG0BMU*01
Optional



02P

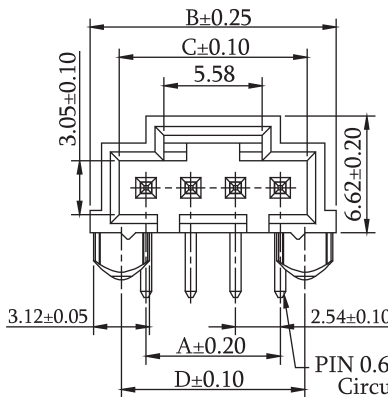


03P



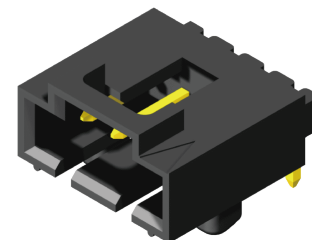
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions			
	A	B	C	D
02	2.54	8.89	---	5.33
03	5.08	11.43	8.12	7.87
04	7.62	13.97	10.66	10.41
05	10.16	16.51	13.20	12.95
06	12.70	19.05	15.74	15.49
07	15.24	21.59	18.28	18.03
08	17.78	24.13	20.82	20.57
09	20.32	26.67	23.36	23.11
10	22.86	29.21	25.90	25.65
11	25.40	31.75	28.44	28.19
12	27.94	34.29	30.98	30.73



PIN 0.64 SQ
Circuit 1

P/N.:5W2545R1-1XXG0BBL*01
Optional



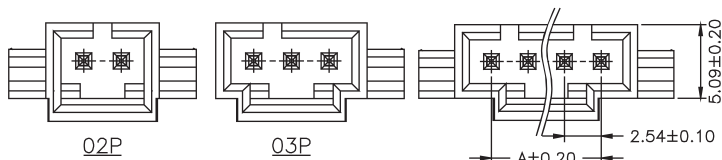
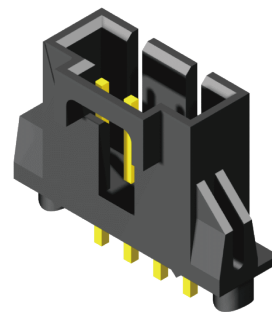
2.54mm 2545 Series Wafer Straight Type

Specifications

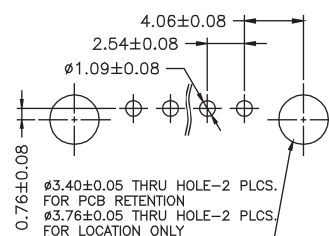
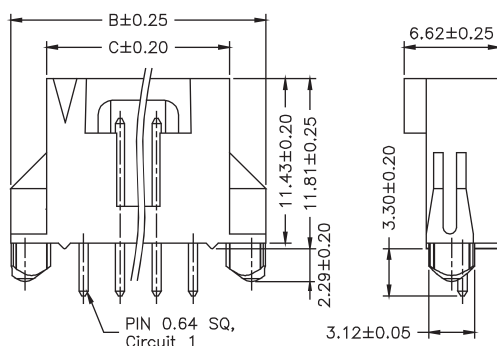
Current Rating: 2.5 AMP
Insulation Resistance: 1000MΩ Min.
Dielectric Voltage: 600V AC for one minute
Operation Temperature: -25°C to +85°C

Material

Housing / Wafer: PBT, UL 94V-0
Terminal: Brass / Tin Plated



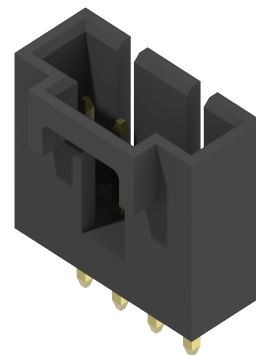
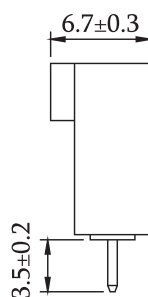
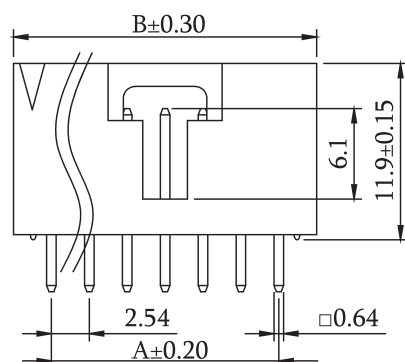
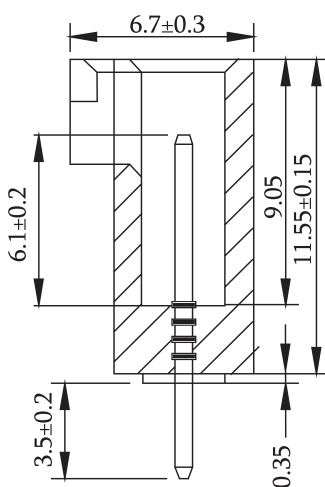
No. of Contacts	Dimensions		
	A	B	C
02	2.54	12.63	7.63
03	5.08	15.17	10.17
04	7.62	17.71	12.71
05	10.16	20.25	15.25
06	12.70	22.79	17.79
07	15.24	25.33	20.33
08	17.78	27.87	22.87
09	20.32	30.41	25.41
10	22.86	32.95	27.95
11	25.40	35.49	30.49
12	27.94	38.03	33.03



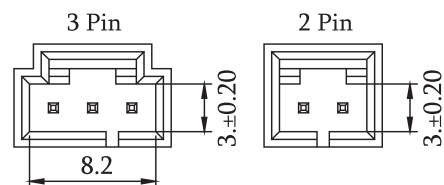
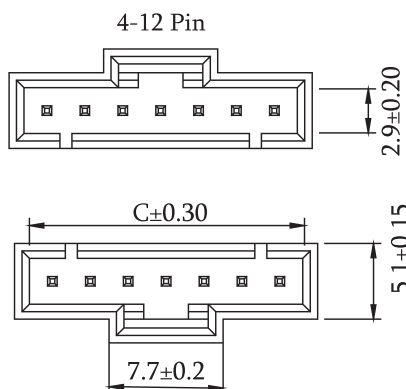
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2545S1-1XXXXBBL*01

G0:Gold Flash T0:Tin Plated Optional



No. of Contacts	Dimensions		
	A	B	C
02	2.54	7.62	5.72
03	5.08	10.16	8.26
04	7.62	12.70	10.80
05	10.16	15.24	13.34
06	12.70	17.78	15.88
07	15.24	20.32	18.42
08	17.78	22.86	20.96
09	20.32	25.40	23.50
10	22.86	27.94	26.04
11	25.40	30.48	28.58
12	27.94	33.02	31.12



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2545S2-1XXG0BBL*01

Optional

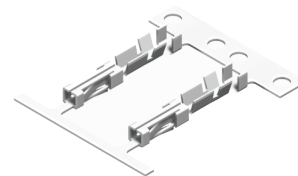
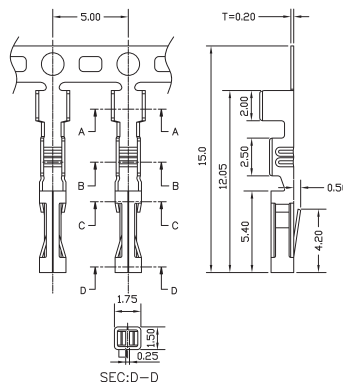
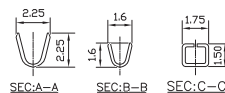
2.54mm 2546 Series Terminal / Housing / Wafer Right Angle & Straight Type

Specifications

Current Rating: 3A AC, DC
Voltage Rating: 250V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1000V AC/minute

Material

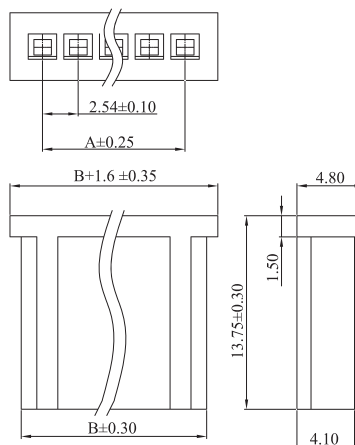
Housing / Wafer: PBT, UL 94V-0
Terminal: Brass / Tin Plated



Wire Range	Insulation O.D.	Material	Finish
#22-#26	1.55mm(Max)	Phosphor Bronze	Tin Plated

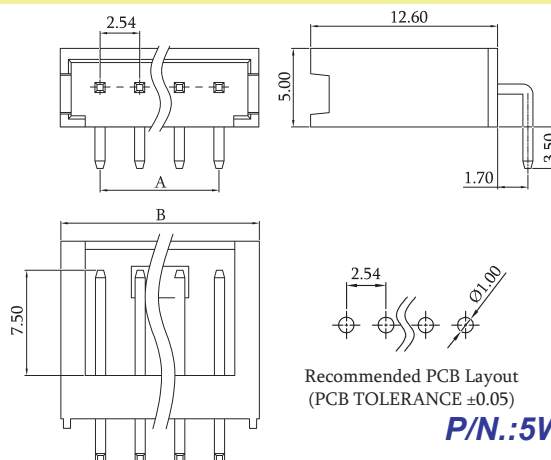
P/N.:5T2546N-PT0R*01
Optional

No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
02	2.54	5.60	13	30.48	33.54
03	5.08	8.14	14	32.02	36.08
04	7.62	10.68	15	35.56	38.62
05	10.16	13.22	16	38.10	41.16
06	12.70	15.76	17	40.64	43.70
07	15.24	18.30	18	43.18	46.24
08	17.78	20.84	19	45.72	48.78
09	20.32	23.38	20	48.26	51.32
10	22.86	25.92	21	50.80	53.86
11	25.40	28.46	22	53.34	56.40
12	27.94	31.00	---	---	---



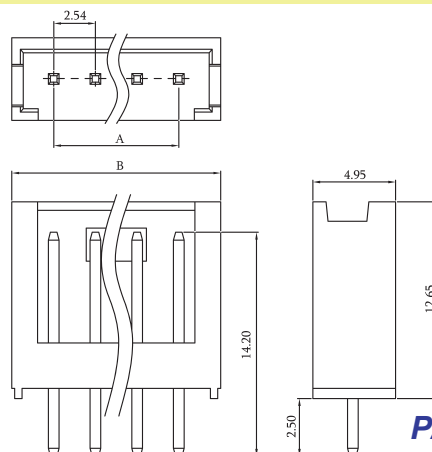
P/N.:5H2546N0-1XXBBL00*01
Optional

No. of Contacts	Dimensions	
	A	B
02	2.54	7.70
03	5.08	10.20
04	7.62	15.20
05	10.16	12.70
06	12.70	17.80
07	15.24	20.30
08	17.78	22.90
09	20.32	25.40
10	22.86	28.00
11	25.40	30.50
12	27.94	33.10
13	30.48	35.60
14	32.02	38.10
15	35.56	40.70
16	38.10	43.20
17	40.64	45.70
18	43.18	48.20
19	45.72	50.70
20	48.26	53.20
21	50.80	55.70
22	53.34	58.20



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2546R0-1XXT0BBL*01
Optional



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2546S0-1XXT0BBL*01
Optional

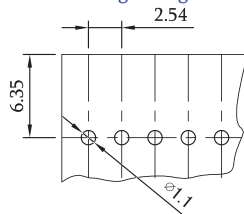
2.54mm 2548 Series Wafer Right Angle & IDC Type

Specifications

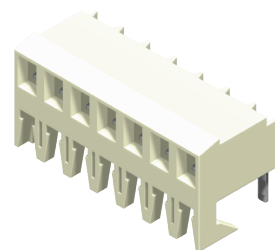
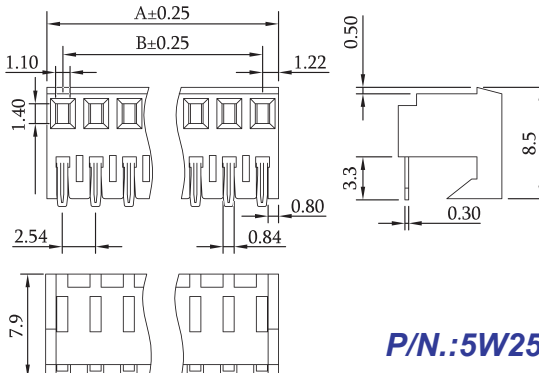
Current Rating: 3A AC, DC
Voltage Rating: 250V AC, DC
Temperature Range: -40°C to +105°C
Contact Resistance: 10mΩ Max
Insulation Resistance: 5000MΩ Min
Withstanding Voltage: 1500V AC/minute

Material

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

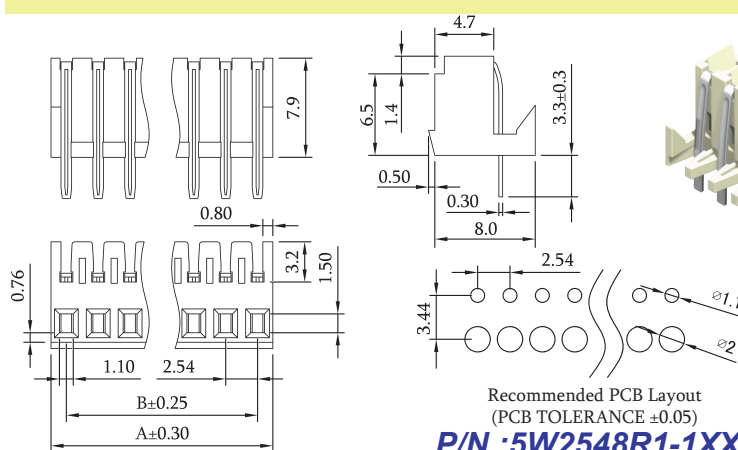


Recommended PCB Layout
(PCB TOLERANCE ±0.05)



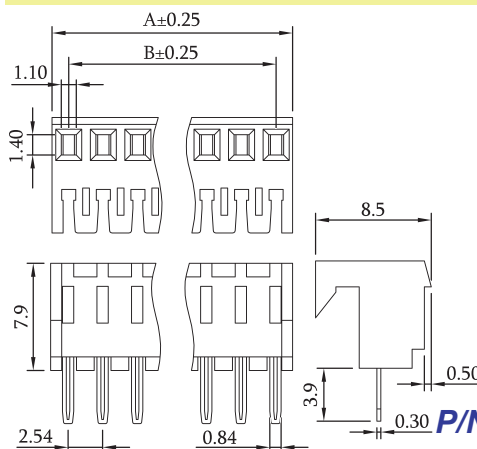
P/N.:5W2548R0-1XXT0WAL*01
Optional

No. of Contacts	Dimensions	
	A	B
02	5.08	2.54
03	7.62	5.08
04	10.16	7.62
05	12.70	10.16
06	15.24	12.70
07	17.78	15.24
08	20.32	17.78
09	22.86	20.32
10	25.40	22.86
11	27.94	25.40
12	30.48	27.94



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

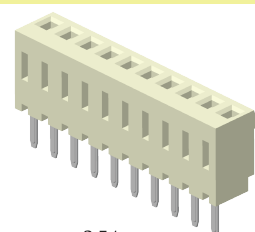
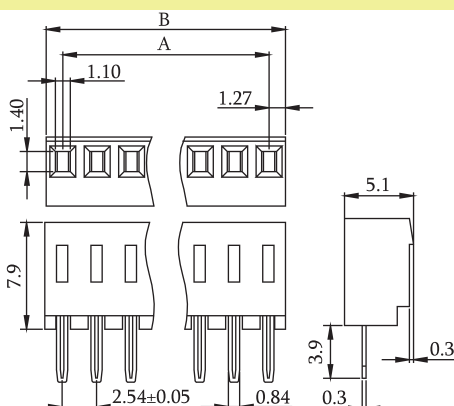
P/N.:5W2548R1-1XXT0WAL*01
Optional



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2548R2-1XXT0WAL*01
Optional

No. of Contacts	Dimensions		Tolerances	No. of Contacts	Dimensions		Tolerances
	A	B			A	B	
02	5.08	2.54	±0.20	14	35.56	33.02	±0.45
03	7.62	5.08		15	38.10	35.56	
04	10.16	7.62		16	40.64	38.10	
05	12.70	10.16		17	43.18	40.64	
06	15.24	12.70		18	45.72	43.18	
07	17.78	15.24		19	48.26	45.72	
08	20.32	17.78	±0.25	20	50.80	48.26	±0.55
09	22.86	20.32		21	53.34	50.80	
10	25.40	22.86		22	55.88	53.34	
11	27.94	25.40		23	58.42	55.88	
12	30.48	27.94		24	60.96	58.42	
13	33.02	30.48		25	63.50	60.96	



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2548C3-1XXT0WAL*01
Optional

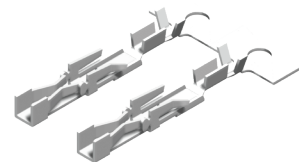
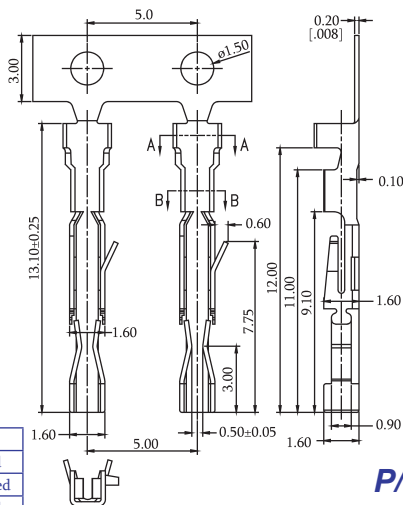
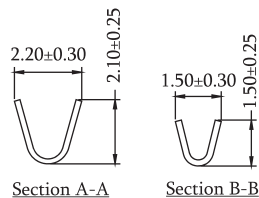
2.54mm 2217 Series Terminal / Housing

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: 1000V AC/minute

Material

Housing: PBT, UL 94V-0

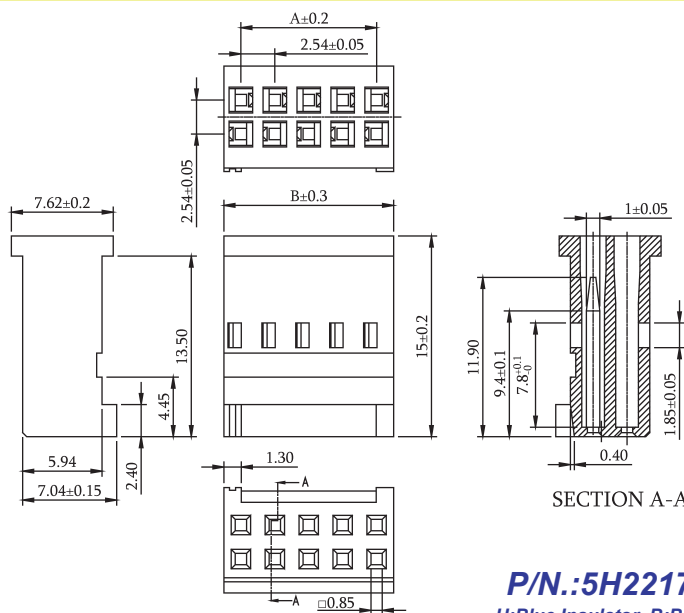


Part No.	Wire Range	Insulation O.D.	Material	Finish
5T2217N-BT0	#22-#28	1.50mm(Max)	Brass	Tin Plated
5T2217N-BG0				Gold Plated
5T2217N-PT0			Phosphor Bronze	Tin Plated
5T2217N-BT0				Gold Plated

P/N.:5T2217N-XXXXR*01

B:Brass P:Phosphor Bronze T:Tin Plated GF:Au 15u" Optional

No. of Contacts	Dimensions	
	A	B
2×02	2.54	5.08
2×03	5.08	7.62
2×04	7.62	10.16
2×05	10.16	12.70
2×06	12.70	15.24
2×07	15.24	17.78
2×08	17.78	20.32
2×09	20.32	22.86
2×10	22.86	25.40
2×11	25.40	27.94
2×12	27.94	30.48
2×15	35.56	38.10
2×18	43.18	45.72
2×20	48.26	50.80

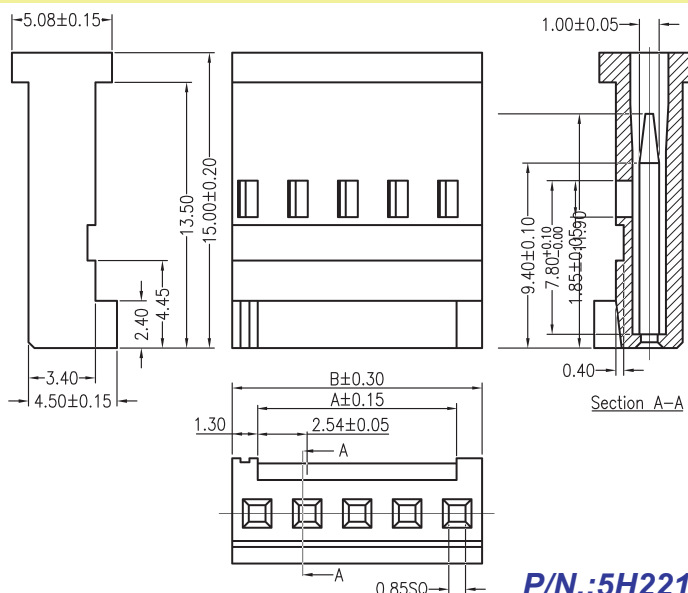


SECTION A-A

P/N.:5H2217N0-2XXXBL00*01

U:Blue Insulator B:Black Insulator Optional

No. of Contacts	Dimensions	
	A	B
2×02	2.54	5.08
2×03	5.08	7.62
2×04	7.62	10.16
2×05	10.16	12.70
2×06	12.70	15.24
2×07	15.24	17.78
2×08	17.78	20.32
2×09	20.32	22.86
2×10	22.86	25.40
2×11	25.40	27.94
2×12	27.94	30.48
2×15	35.56	38.10
2×18	43.18	45.72
2×20	48.26	50.80



Section A-A

P/N.:5H2217N0-1XXXBL00*01

U:Blue Insulator B:Black Insulator Optional

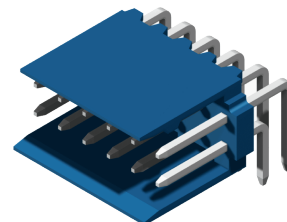
2.54mm 2217 Series Wafer Right Angle & Straight Type

Specifications

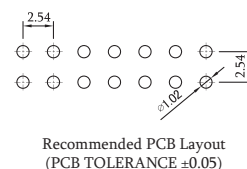
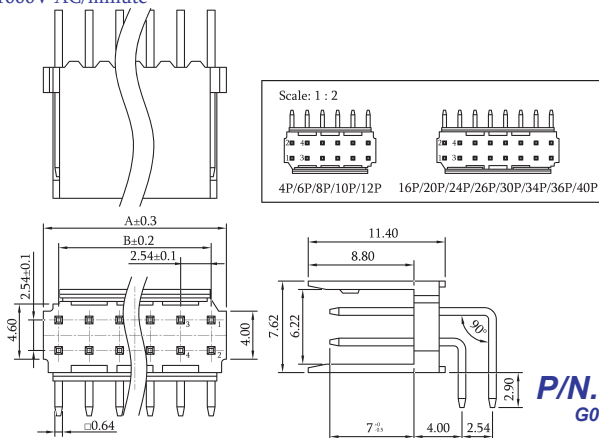
Current Rating: 3A AC, DC
Voltage Rating: 250V AC, DC
Temperature Range: -25°C to +85°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1000V AC/minute

Material

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

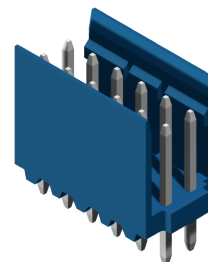
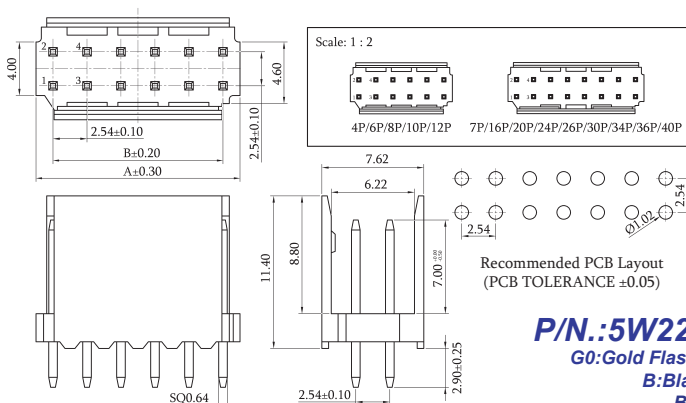


No. of Contacts	Dimensions	
	A	B
2x02	5.08	2.54
2x03	7.62	5.08
2x04	10.16	7.62
2x05	12.70	10.16
2x06	15.24	12.70
2x07	17.78	15.24
2x08	20.32	17.78
2x09	22.86	20.32
2x10	25.40	22.86
2x11	27.94	25.40
2x12	30.48	27.94
2x13	33.02	30.48
2x14	35.56	33.02
2x15	38.10	35.56
2x16	40.64	38.10
2x17	43.18	40.64
2x18	45.72	43.18
2x19	48.26	45.72
2x20	50.80	48.26



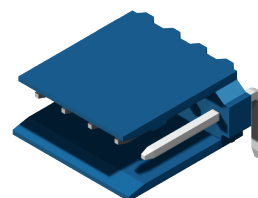
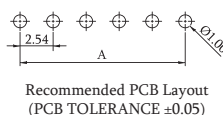
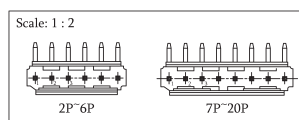
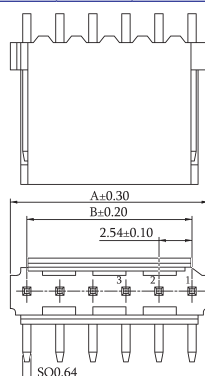
P/N.:5W2217R0-2XXXXXXL*01

G0:Gold Flash T0:Tin Plated
B:Black U:Blue
B:Bag T:Tube W/O Cap X:Box(FOR 2x2, 2x3PIN) Optional



P/N.:5W2217S0-2XXXXXXL*01

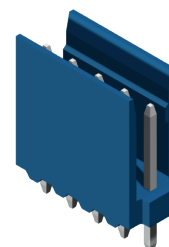
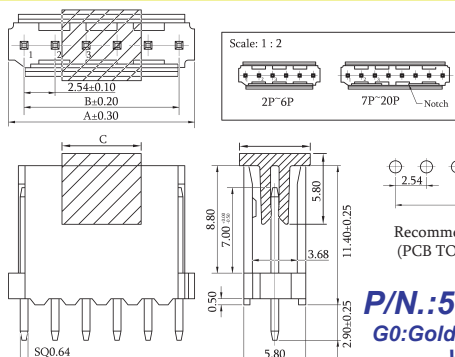
G0:Gold Flash T0:Tin Plated
B:Black U:Blue W:White
B:Bag T:Tube W/O Cap Optional



P/N.:5W2217R0-1XXXXXXL*01

G0:Gold Flash S0:Selective T0:Tin Plated
GB:Au 10u" GC:Au 20u" GD:Au 30u"
SB:Selective10u" SC:Selective 20u" SD:Selective 30u"
W:White B:Black U:Blue
X:Box (For 2P,3P) T:Tube W/O Cap Optional

No. of Contacts	Dimensions			No. of Contacts	Dimensions		
	A	B	C		A	B	C
02	2.54	5.08	5.00	12	27.94	30.48	6.50
03	5.08	7.62		13	30.48	33.02	
04	7.62	10.16		14	33.02	35.56	
05	10.16	12.70		15	35.56	38.10	
06	12.70	15.24		16	38.10	40.64	
07	15.24	17.78		17	40.64	43.18	
08	17.78	20.32		18	43.18	45.72	
09	20.32	22.86		19	45.72	48.26	
10	22.86	25.40		20	48.26	50.80	
11	25.40	27.94		---	---	---	



P/N.:5W2217S0-1XXXXXXL*01

G0:Gold Flash T0:Tin Plated
W:White B:Black U:Blue
B:Bag A:Tray w/o cap T:Tube w/o cap H:T/R w/o cap
P:Tray with cap C:Tube with cap R:T/R with cap Optional

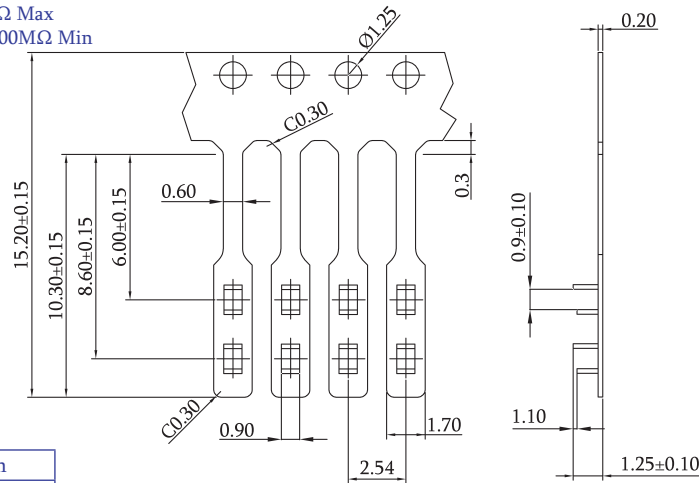
2.54mm 2550 Series Terminal / Housing

Specifications

Current Rating: 3A AC, DC
Voltage Rating: 250V AC, DC
Temperature Range: -55°C to +105°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 1000MΩ Min

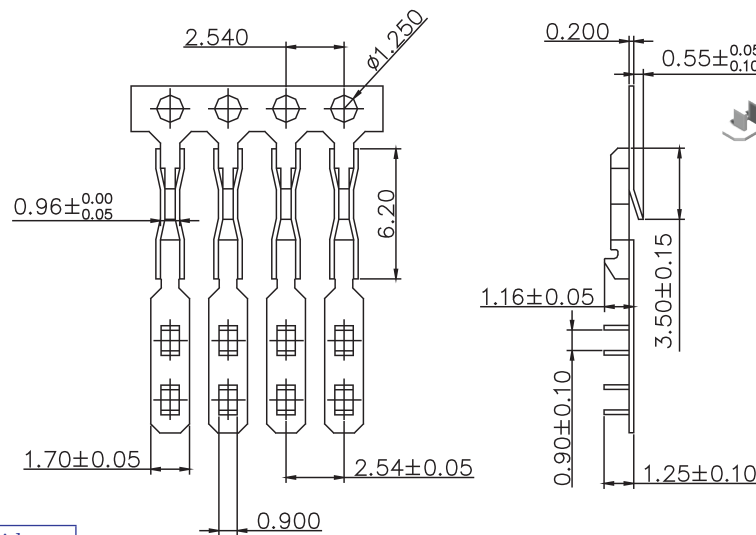
Material

Housing: Nylon 66, UL 94V-0



Material	Finish
Phosphor Bronze	Tin Plated

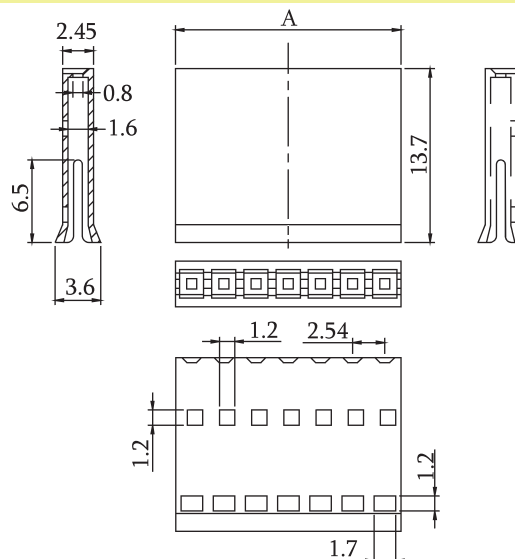
P/N.:5T2550M-PT0R*01
Optional



Material	Finish
Phosphor Bronze	Tin Plated

P/N.:5T2550F-PT0R*01
Optional

No. of Contacts	Dim.A	No. of Contacts	Dim.A
02	5.08	17	43.18
03	7.62	18	45.72
04	10.16	19	48.26
05	12.70	20	50.80
06	15.24	21	53.34
07	17.78	22	55.88
08	20.32	23	58.42
09	22.86	24	60.96
10	25.40	25	63.50
11	27.94	26	66.04
12	30.48	27	68.58
13	33.02	28	71.12
14	35.56	29	73.66
15	38.10	30	76.20
16	40.46	---	---



P/N.:5H2550N0-1XXBBL00*01
Optional

Housing Wafer Terminal

ROHS

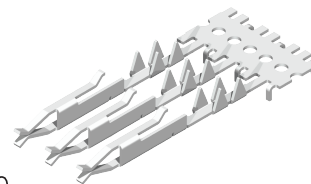
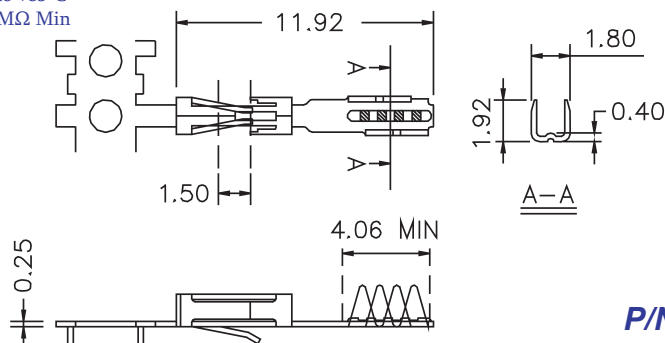
2.54mm 2550 Series Terminal / Housing

Specifications

Current Rating: 2A AC, DC
Voltage Rating: 250V AC, DC
Temperature Range: -25°C to +85°C
Insulation Resistance: 1000MΩ Min

Material

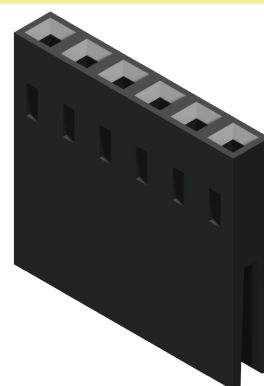
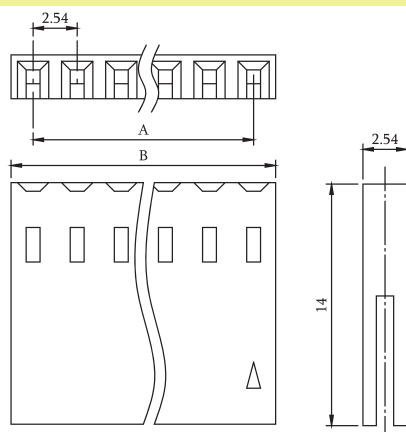
Housing: Nylon 66, UL 94V-0
Terminal: Phosphor Bronze / Tin Plated



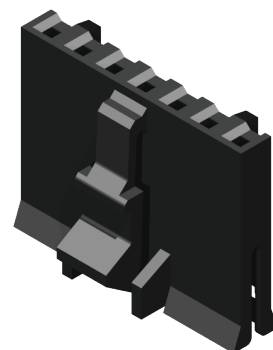
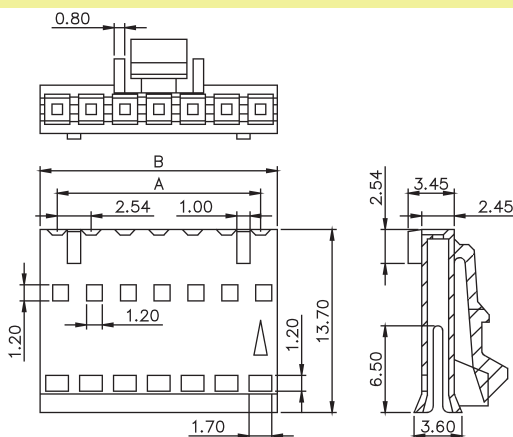
Material	Finish
Phosphor Bronze	Tin Plated

P/N.:5T2550F-PT0R*02
Optional

No. of Contacts	Dimensions	
	A	B
02	2.54	5.08
03	5.08	7.62
04	7.62	10.16
05	10.16	12.70
06	12.70	15.24
07	15.24	17.78
08	17.78	20.32
09	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80
21	50.80	53.34
22	53.34	55.88
23	55.88	58.42
24	58.42	60.96
25	60.96	63.50
26	63.50	66.04
27	66.04	68.58
28	68.58	71.12
29	71.12	73.66
30	73.66	76.20



P/N.:5H2550N1-1XXBBL00*01
Optional



P/N.:5H2550N2-1XXBBL00*01
Optional

2.54mm 2551 Series Wafer IDC Type

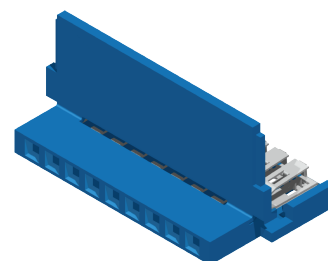
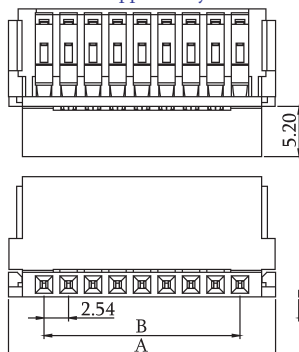
Specifications

Voltage Rating: 15V AC, DC
Temperature Range: -60°C to +105°C
Withstanding Voltage: 1000V AC/minute

Material

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

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



P/N.:5W2551D0-1XXT0UBL*01
Optional

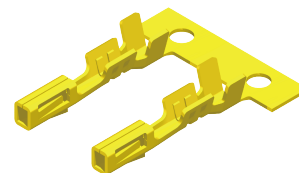
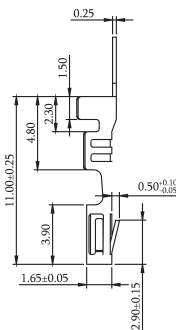
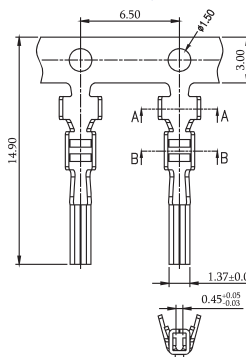
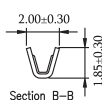
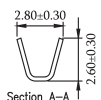
2.54mm 2553 Series Terminal / Housing / Wafer SMT & Right Angle & Straight Type

Specifications

Current Rating: 3A AC, DC
Voltage Rating: 675V AC, DC
Temperature Range: Housing: -25°C to +85°C
Wafer: -55°C to +125°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 1000V AC/minute

Material

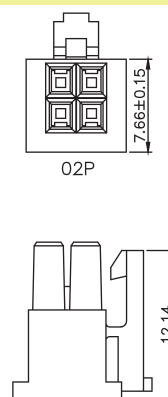
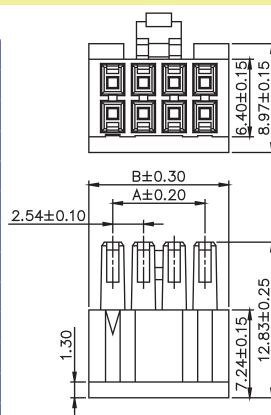
Housing: Nylon 66, UL 94V-2
Wafer: LCP, UL 94V-0
Terminal: Brass / Tin Plated



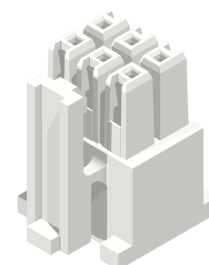
Wire Range	Insulation O.D.	Material	Finish
#20-#24	1.55mm(Max)	Phosphor Bronze	Tin Plated

P/N.:5T2553N-PT0R*01
Optional

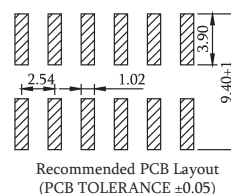
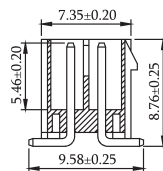
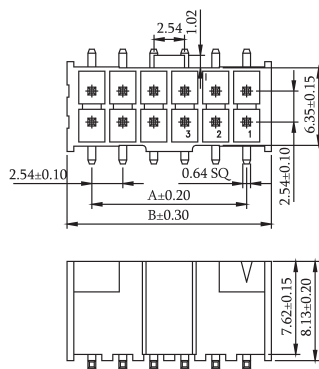
No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
2×02	2.54	8.26	2×14	33.02	36.96
2×03	5.08	9.02	2×15	35.56	39.50
2×04	7.62	11.56	2×16	38.10	42.04
2×05	10.16	14.10	2×17	40.64	44.58
2×06	12.70	16.64	2×18	43.18	47.12
2×07	15.24	19.18	2×19	45.72	49.66
2×08	17.78	21.72	2×20	48.26	52.20
2×09	20.32	24.26	2×21	50.80	54.74
2×10	22.86	26.80	2×22	53.34	57.28
2×11	25.40	29.34	2×23	55.88	59.82
2×12	27.94	31.88	2×24	58.42	62.36
2×13	30.48	34.42	2×25	60.96	64.90



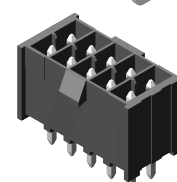
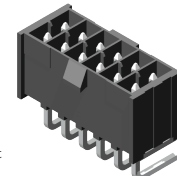
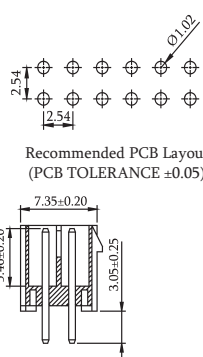
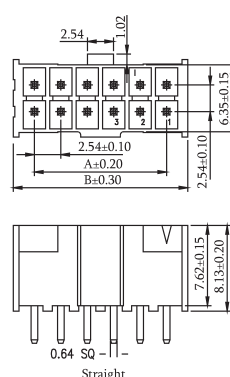
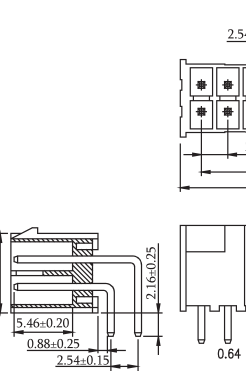
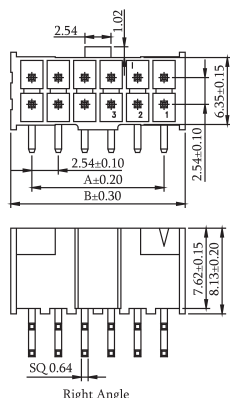
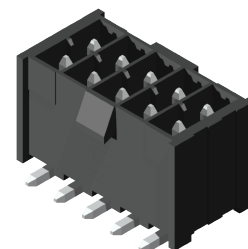
P/N.:5H2553N0-2XXXBL00*01
W:Natural B:Black Optional



No. of Contacts	Dimensions	
	A	B
2×02	2.54	6.60
2×03	5.08	9.14
2×04	7.62	11.68
2×05	10.16	14.22
2×06	12.70	16.76
2×07	15.24	19.30
2×08	17.78	21.84
2×09	20.32	24.38
2×10	22.86	26.92
2×11	25.40	29.46
2×12	27.94	32.00
2×13	30.48	34.54
2×14	33.02	37.08
2×15	35.56	39.62
2×16	38.10	42.16
2×17	40.64	44.70
2×18	43.18	47.24
2×19	45.72	49.78
2×20	48.26	52.32
2×21	50.80	54.86
2×22	53.34	57.40
2×23	55.88	59.94
2×24	58.42	62.48
2×25	60.96	65.02



P/N.:5W2553G0-2XXXXBXU*01
T0: Tin Plated TE: Tin 200u" Optional
G0: Gold Flash GB: Au 10u" GF: Au 15u" GD: Au 30u" T: Tube
S0: Selective SB: Selective 10u" SF: Selective 15u" SD: Selective 30u" H: T/R W/O Cap



P/N.:5W2553X0-2XXXXBBU*01
R: Right Angle S: Straight Optional
T0: Tin Plated S0: Selective

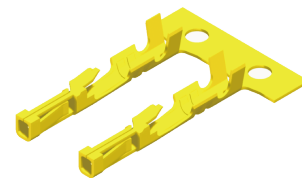
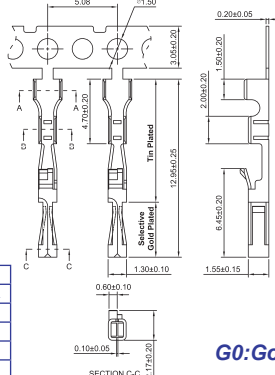
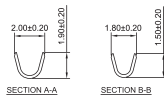
2.54mm 2555 Series Terminal / Housing / Wafer Right Angle & Straight Type

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 / Wafer: PBT, UL 94V-0
Terminal: Brass / Gold Plated

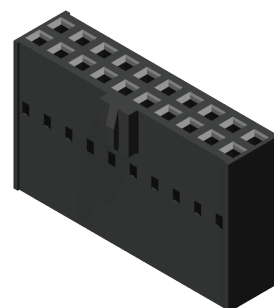
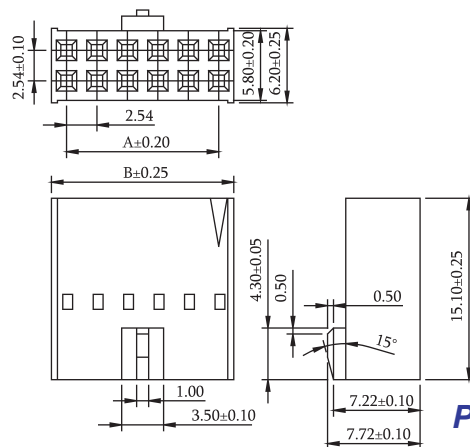


Part No.	Wire Range	Insulation O.D.	Material	Finish
5T2555N-PS0	#22-#24	1.60mm(Max)	Phosphor Bronze	Selective Gold Plated
5T2555N-PSF				Tin Plated
5T2555N-PT0				All Tin over Nickel

P/N.:5T2555N-PXXR*01

G0:Gold Flash GF:Au 15u" T0:Tin Plated
Optional

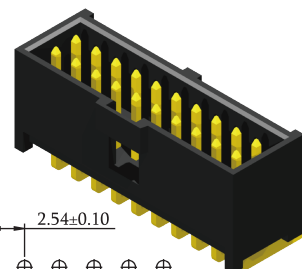
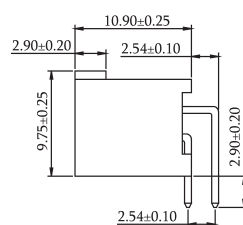
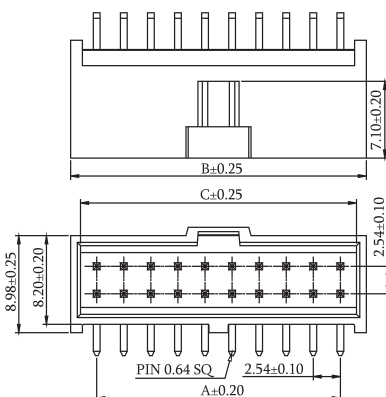
No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
2x03	5.08	7.62	2x18	43.18	45.72
2x04	7.62	10.16	2x19	45.72	48.26
2x05	10.16	12.70	2x20	48.26	50.80
2x06	12.70	15.24	2x21	50.80	53.34
2x07	15.24	17.78	2x22	53.34	55.88
2x08	17.78	20.32	2x23	55.88	58.42
2x09	20.32	22.86	2x24	58.42	60.96
2x10	22.86	25.40	2x25	60.96	63.50
2x11	25.40	27.94	2x26	63.50	66.04
2x12	27.94	30.48	2x27	66.04	68.58
2x13	30.48	33.02	2x28	68.58	71.12
2x14	33.02	35.56	2x29	71.12	73.66
2x15	35.56	38.10	2x30	73.66	76.20
2x16	38.10	40.64	2x31	76.20	78.74
2x17	40.64	43.18	2x32	78.74	81.28



P/N.:5H2555N0-2XXBBL00*01

Optional

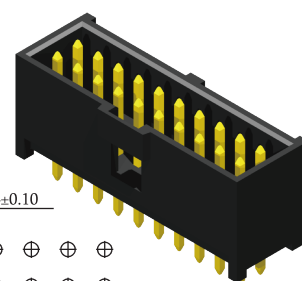
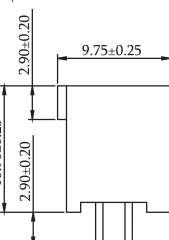
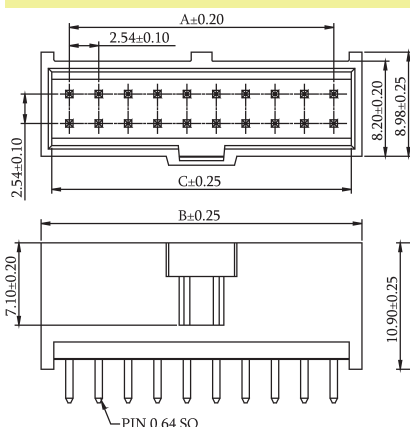
No. of Contacts	Dimensions		
	A	B	C
2x03	5.08	9.96	8.12
2x04	7.62	12.50	10.66
2x05	10.16	15.04	13.20
2x06	12.70	17.58	15.74
2x07	15.24	20.12	18.28
2x08	17.78	22.66	20.82
2x09	20.32	25.20	23.36
2x10	22.86	27.74	25.90
2x11	25.40	30.28	28.44
2x12	27.94	32.82	30.98
2x13	30.48	35.36	33.52
2x14	33.02	37.90	36.06
2x15	35.56	40.44	38.60
2x16	38.10	42.98	41.14
2x17	40.64	45.52	43.68
2x18	43.18	48.06	46.22
2x19	45.72	50.60	48.76
2x20	48.26	53.14	51.30
2x21	50.80	55.68	53.84
2x22	53.34	58.22	56.38
2x23	55.88	60.76	58.92
2x24	58.42	63.30	61.46
2x25	60.96	65.84	64.00
2x26	63.50	68.38	66.54
2x27	66.04	70.92	69.08
2x28	68.58	73.46	71.62
2x29	71.12	76.00	74.16
2x30	73.66	78.54	76.70
2x31	76.20	81.08	79.24
2x32	78.74	83.62	81.78



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2555R0-2XXG0BAL*01

Optional



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W2555S0-2XXXXBAL*01

G0:Gold Flash SF:Selective 15u" Optional