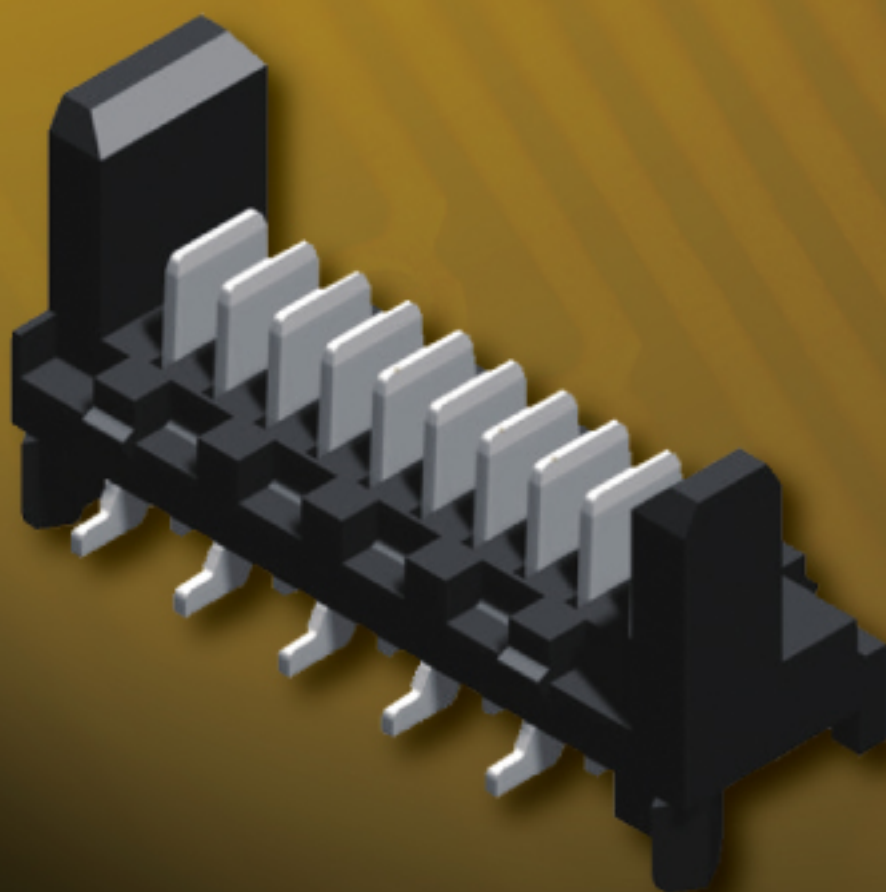


Board To Wire & Wire To Wire Connectors

3-21~3-22 • Housing Wafer Terminal 1.27mm



AMTEK Technology Co., Ltd

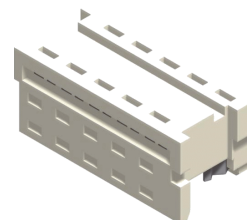
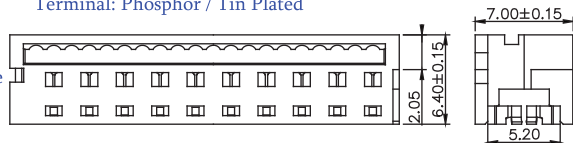
1.27mm 1271 Series Housing IDC / Wafer SMT & R/A & Straight Type

Specifications

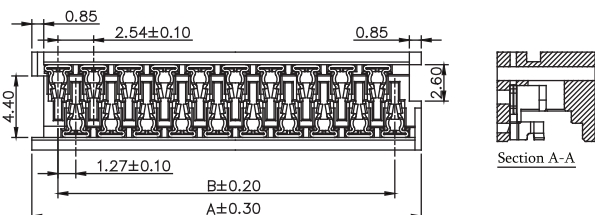
Current Rating: 1.2A AC,DC
Temperature Range: -40°C to +105°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 1000Ω Min
Withstanding Voltage: 500V AC/minute

Material

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

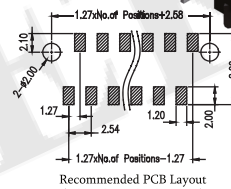
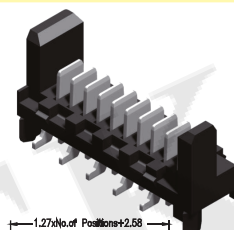
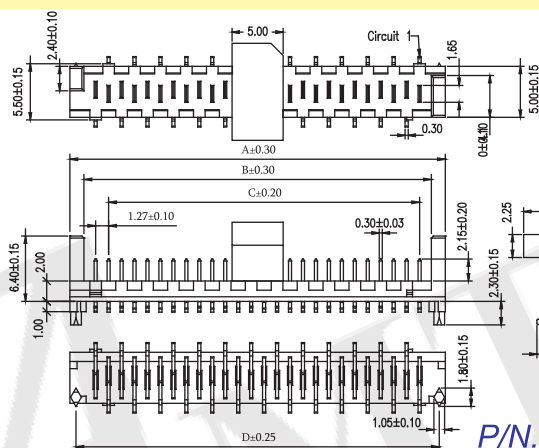


No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
04	7.59	3.81	16	22.83	19.05
06	10.13	6.35	18	25.37	21.59
08	12.67	8.89	20	27.91	24.13
10	15.21	11.43	22	30.45	26.67
12	17.75	13.97	24	32.99	29.21
14	20.29	16.51	26	35.53	31.75



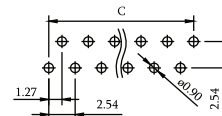
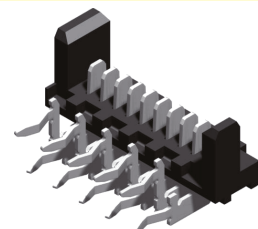
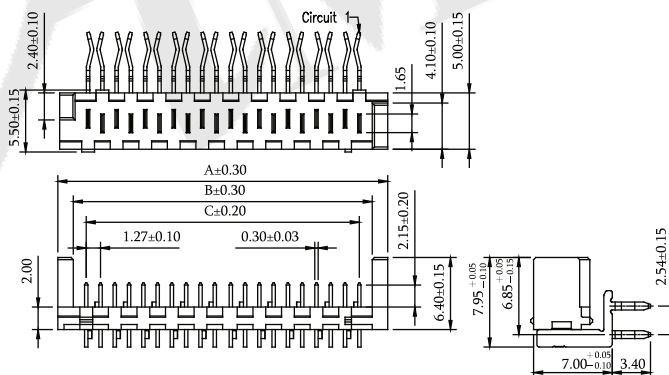
P/N.:5W1271DF-1XXT0WTLM01

No. of Contacts	Dimensions			
	A	B	C	D
04	8.86	6.11	3.81	7.66
06	11.40	8.65	6.35	10.20
08	13.94	11.19	8.89	12.78
10	16.48	13.73	11.43	15.24
12	19.02	16.27	13.97	17.82
14	21.56	18.81	16.51	20.36
16	24.10	21.35	19.05	22.90
18	26.64	23.89	21.59	25.44
20	29.18	26.43	24.13	27.98
22	31.72	28.97	26.67	30.52
24	34.26	31.51	29.21	33.06
26	36.80	34.05	31.75	35.60



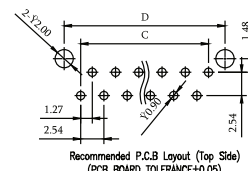
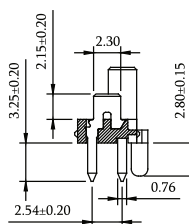
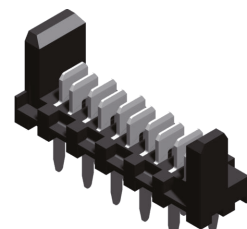
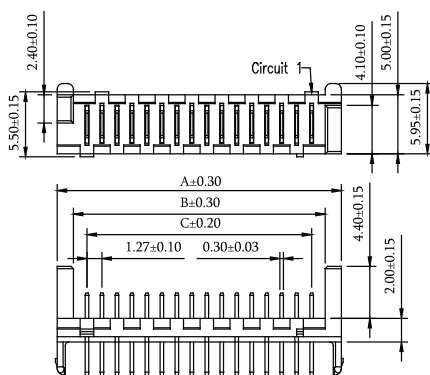
P/N.:5W1271G0-1XXT0BTUM01

No. of Contacts	Dimensions		
	A	B	C
04	8.86	6.11	3.81
06	11.40	8.65	6.35
08	13.94	11.19	8.89
10	16.48	13.73	11.43
12	19.02	16.27	13.97
14	21.56	18.81	16.51
16	24.10	21.35	19.05
18	26.64	23.89	21.59
20	29.18	26.43	24.13
22	31.72	28.97	26.67
24	34.26	31.51	29.21
26	36.80	34.05	31.75



P/N.:5W1271R0-1XXT0BTUM01

No. of Contacts	Dimensions			
	A	B	C	D
04	8.86	6.11	3.81	7.41
06	11.40	8.65	6.35	9.95
08	13.94	11.19	8.89	12.49
10	16.48	13.73	11.43	15.03
12	19.02	16.27	13.97	17.57
14	21.56	18.81	16.51	20.11
16	24.10	21.35	19.05	22.65
18	26.64	23.89	21.59	25.19
20	29.18	26.43	24.13	27.73
22	31.72	28.97	26.67	30.27
24	34.26	31.51	29.21	32.81
26	36.80	34.05	31.75	35.35



P/N.:5W1271S1-1XXT0BTUM01

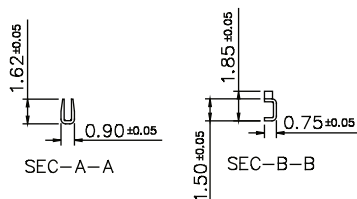
1.27mm 1272 Series Female & Male Terminal / Housing

Specifications

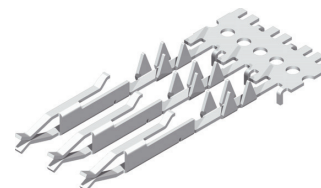
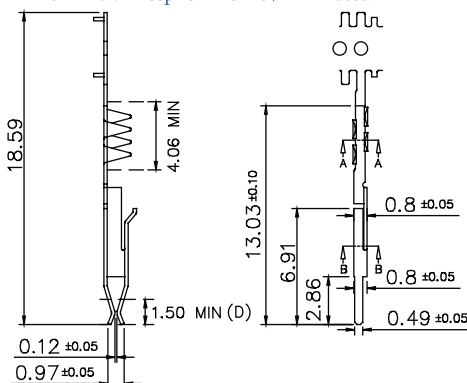
Current Rating: 2A AC,DC
Voltage Rating: 250V AC,DC
Temperature Range: -25°C to +85°C
Insulation Resistance: 1000MΩ Min

Material

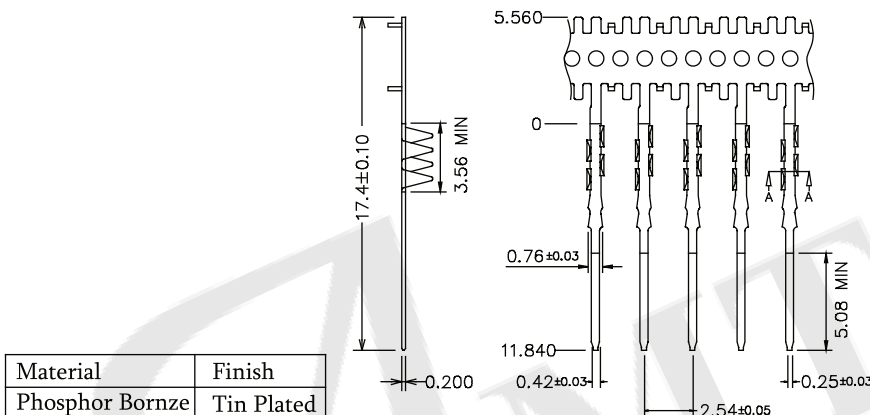
Housing: Nylon 66,UL94V-0
Terminal: Phosphor Bronze / Tin Plated



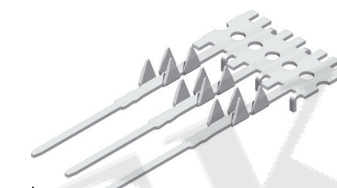
Material	Finish
Phosphor Bornze	Tin Plated



P/N.:5T1272F-PT0RP01

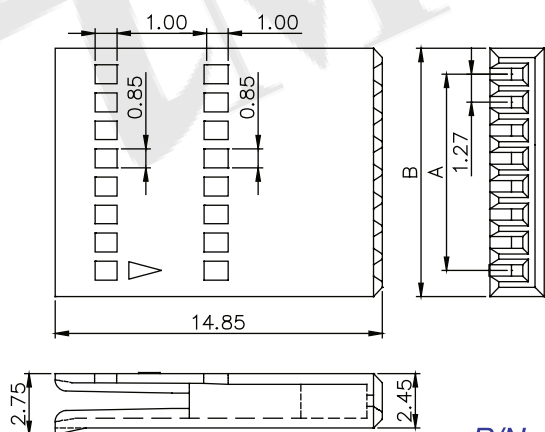


Material	Finish
Phosphor Bornze	Tin Plated

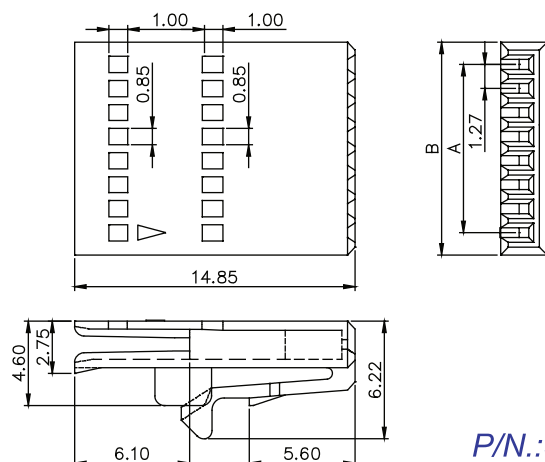


P/N.:5T1272M-PT0RP01

No. of Contacts	Dimensions	
	A	B
02	1.27	3.61
03	2.54	4.88
04	3.81	6.15
05	5.08	7.42
06	6.35	8.69
07	7.62	9.96
08	8.89	11.23
09	10.16	12.50
10	11.43	13.77
11	12.70	15.04
12	13.97	16.31
13	15.24	17.58
14	16.51	18.85
15	17.78	20.12
16	19.05	21.39
17	20.32	22.66
18	21.59	23.93
19	22.86	25.20
20	24.13	26.47
21	25.40	27.74
22	26.67	29.01
23	27.94	30.28
24	29.21	31.55
25	30.48	32.82
26	31.75	34.09
27	33.02	35.36
28	34.29	36.63
29	35.56	37.90
30	36.83	39.17



P/N.:5H1272N0-1XXBBL00P01



P/N.:5H1272N1-1XXBBL00P01

1.27mm 1271 Series Housing IDC / Wafer SMT & R/A & Straight Type

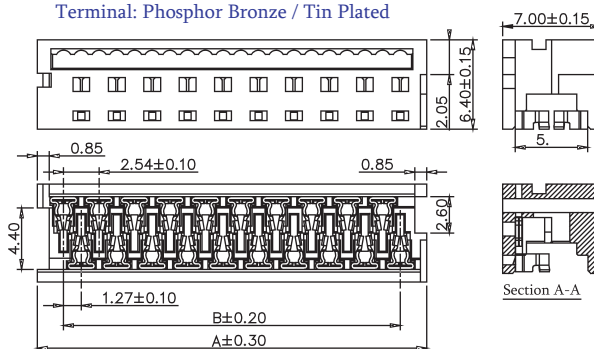
Specifications

Current Rating: 1.2A AC, DC
Temperature Range: -40°C to +105°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 1000Ω Min
Withstanding Voltage: 500V AC/minute

Material

Wafer: PBT + 30% G.F, UL 94V-0
Terminal: Phosphor Bronze / Tin Plated

No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
04	7.59	3.81	16	22.83	19.05
06	10.13	6.35	18	25.37	21.59
08	12.67	8.89	20	27.91	24.13
10	15.21	11.43	22	30.45	26.67
12	17.75	13.97	24	32.99	29.21
14	20.29	16.51	26	35.53	31.75



P/N.:5W1271DF-1XXT0WTL*01
Optional

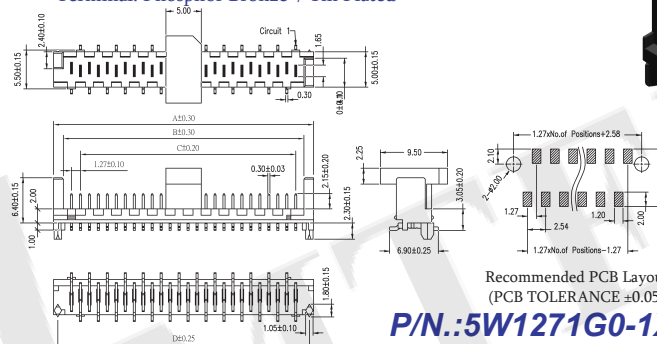
Specifications

Current Rating: 1.0A AC, DC
Temperature Range: -40°C to +105°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 1000Ω Min
Withstanding Voltage: 500V AC/minute

Material

Wafer: LCP + 30% G.F, UL 94V-0
Terminal: Phosphor Bronze / Tin Plated

No. of Contacts	Dimensions			
	A	B	C	D
04	8.86	6.11	3.81	7.66
06	11.40	8.65	6.35	10.20
08	13.94	11.19	8.89	12.74
10	16.48	13.73	11.43	15.28
12	19.02	16.27	13.97	17.82
14	21.56	18.81	16.51	20.36
16	24.10	21.35	19.05	22.90
18	26.64	23.89	21.59	25.44
20	29.18	26.43	24.13	27.98
22	31.72	28.97	26.67	30.52
24	34.26	31.51	29.21	33.06
26	36.80	34.05	31.75	35.60



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W1271G0-1XXT0BXU*01
T:Tube,W/O Cap R:T/R,With Cap C:Tube,With Cap
Optional

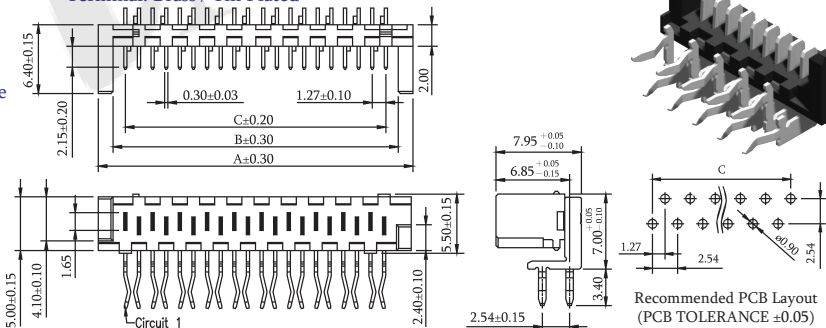
Specifications

Current Rating: 2.4A AC, DC
Voltage Rating: 500V AC, DC
Temperature Range: -40°C to +105°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 1000Ω Min
Withstanding Voltage: 500V AC/minute

Material

Wafer: Nylon 6T, UL 94V-0
Terminal: Brass / Tin Plated

No. of Contacts	Dimensions		
	A	B	C
04	8.86	6.11	3.81
06	11.40	8.65	6.35
08	13.94	11.19	8.89
10	16.48	13.73	11.43
12	19.02	16.27	13.97
14	21.56	18.81	16.51
16	24.10	21.35	19.05
18	26.64	23.89	21.59
20	29.18	26.43	24.13
22	31.72	28.97	26.67
24	34.26	31.51	29.21
26	36.80	34.05	31.75



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W1271R0-1XXT0BTU*01
Optional

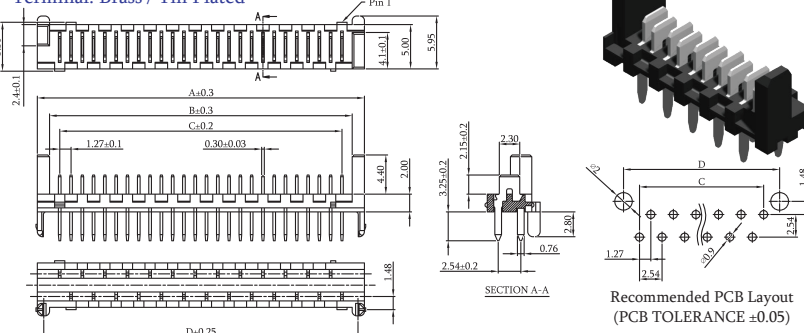
Specifications

Current Rating: 2.4A AC, DC
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -40°C to +105°C

Material

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

No. of Contacts	Dimensions			
	A	B	C	D
04	8.86	6.11	3.81	7.41
06	11.40	8.65	6.35	9.95
08	13.94	11.19	8.89	12.49
10	16.48	13.73	11.43	15.03
12	19.02	16.27	13.97	17.57
14	21.56	18.81	16.51	20.11
16	24.10	21.35	19.05	22.65
18	26.64	23.89	21.59	25.19
20	29.18	26.43	24.13	27.73
22	31.72	28.97	26.67	30.27
24	34.26	31.51	29.21	32.81
26	36.80	34.05	31.75	35.35



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5W1271S1-1XXT0BTU*01
Optional

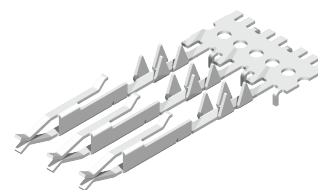
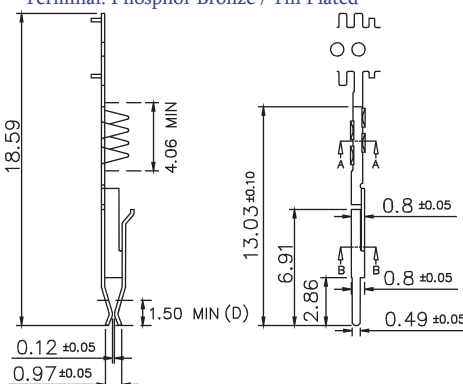
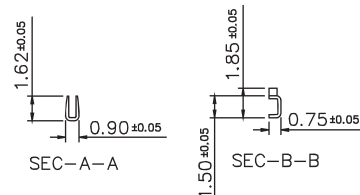
1.27mm 1272 Series Female & Male Terminal / Housing

Specifications

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

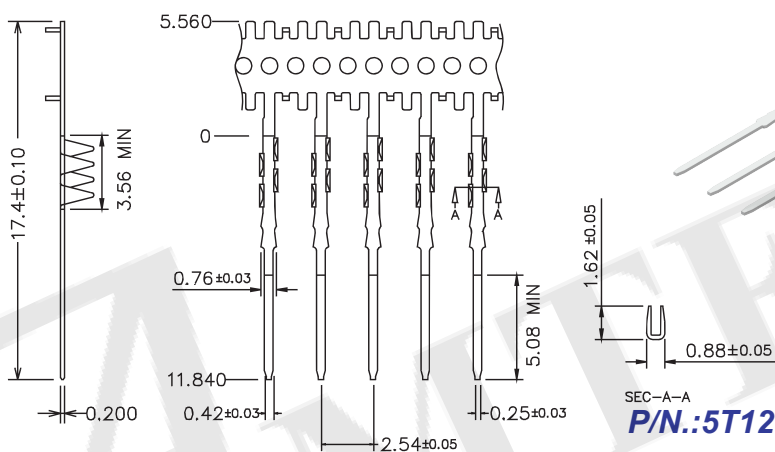
Material

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



Material	Finish
Phosphor Bronze	Tin Plated

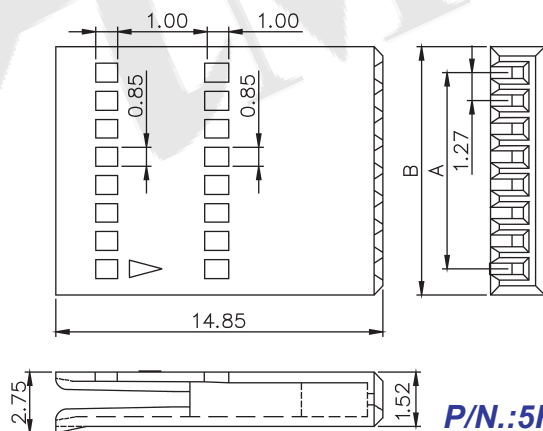
P/N.:5T1272F-PT0R*01
Optional



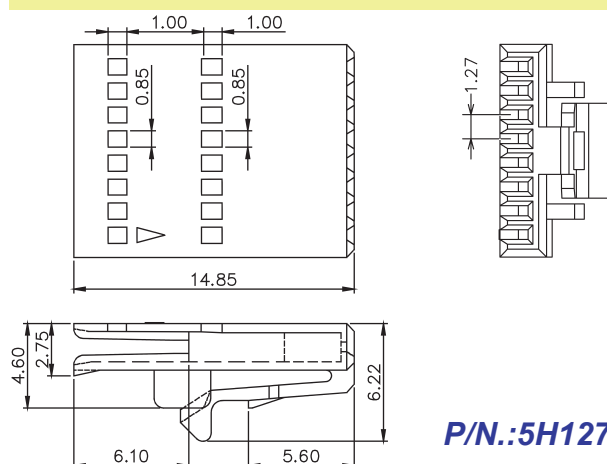
Material	Finish
Phosphor Bronze	Tin Plated

P/N.:5T1272M-PT0R*01
Optional

No. of Contacts	Dimensions	
	A	B
02	1.27	3.61
03	2.54	4.88
04	3.81	6.15
05	5.08	7.42
06	6.35	8.69
07	7.62	9.96
08	8.89	11.23
09	10.16	12.50
10	11.43	13.77
11	12.70	15.04
12	13.97	16.31
13	15.24	17.58
14	16.51	18.85
15	17.78	20.12
16	19.05	21.39
17	20.32	22.66
18	21.59	23.93
19	22.86	25.20
20	24.13	26.47
21	25.40	27.74
22	26.67	29.01
23	27.94	30.28
24	29.21	31.55
25	30.48	32.82



P/N.:5H1272N0-1XXBBL00*01
Optional



P/N.:5H1272N1-1XXBBL00*01
Optional