



Performance characteristics:

1. Main body part material

Insulator: PBT, Black, UL94V-0

Separate plane: PBT, Black, UL94V-0

Safeguard crust: PBT, Black, UL94V-0

Contact terminal: copper alloy, Ni 1.27 μm Min. under plated, outer plating see part number rule

Shell: SPCC, plating Ni

Screw assemblies: SPCC, plating Ni

Nuts and screws: SUS304.

2. Electrical requirements:

Current rating: 1 A

Contact resistance: < 35 mΩ

Insulation resistance: > 500 MΩ

Withstanding voltage: 500 Vr.m.s, 1mA, 60s

3. Mechanical requirements

Wire gauge: 28 AWG Standard, 30 AWG Solid

4. Environment specification

Working temperature: -55°C ~ +85°C

5. Packing & storing

Method of packing: plastic bag, clapboard, outer box

Storing condition: temperature of -10°C ~ +40°C

below 80% relative humidity

6. Style of installation: solder cable installation

7. To prevent the pollution of the environment product info

RoHS agreement: In line with the european union RoHS

Contact Quantity	Dimensions							
	A	B	C	D	E	F	G	H
20	11.43	14.40	12.90	39.00	21.90	17.65	27.00	33.30
26	15.24	14.04	12.90	39.00	25.65	21.46	30.80	37.20
36	21.59	18.00	12.90	39.00	31.70	27.81	36.50	43.57
50	30.48	18.70	12.90	39.30	40.62	36.90	44.00	52.44

1865 - XX 1 - X X - X

Series code	Terminal number	Spec code	Type code	Plating code	Insulator material & color
		Code Definition	Code Definition	Code Definition	Code Definition
		1 Male Straight Angle	Y Standard structure. Safeguard crust with screws	6 Au 0.25 μm 7 Au 0.38 μm 8 Au 0.76 μm	1 PBT Black UL94V-0

Unless otherwise specified tolerance:

X.	± 0.50	X.°	± 3°
.X	± 0.38	.X°	± 2°
.XX	± 0.25		

1865 Series MDR Connector Male with Safeguard Crust				SL0.1865.103				
Mark	NO.	File NO.	Signature	Date	Projection	Rev.	Weight	Scale
DRAW			Felix Liu	2011.10.13	⊕	A0		
CHK					All Dimensions in mm			Sheet 1 of 1
MAN					1865-XX1-XX-X			SHINNING SHENZHEN SHINNING ELECTRONIC CO., LTD.
STD								
APP								