

SPECIFICATION

Product Name
Single power connector
Part No
SD55 Series

一、 Outline and dimensions: Outline and dimensions of the connector is shown on the following drawing

二、 Technical Parameters:

1. Product Specifications

1-1.Rated current(Amperes): 55A

1-2.Rated voltage(Volts): 600V

1-3.Insulation Resistance:1000M Ω

1-4.average contact Resistance(micro-ohms):<500

1-6.Life:

a. Without load(Contact/Disconnect Cycles):To 10000

b. With Load(Hot Plug 250 Cycles& 120V):20A

1-7.Flammability:UL94 V-0

1-8.Average.Connection/disconnect(N):

a. The insertion force of finished products: $\geq 2\text{kgf}$

b. The pullout force of finished products: $\geq 2\text{kgf}$

c. The pulling capacity between wire and terminal ,It' s in line with UL standard

1-9. (AWG) Contact Barrel Wire Size(AWG):6~12AWG

1-10.Connector holding force(LBF):300N Min

1-11. (℃) Environment Temperatures(℃):-20℃---125℃

2. Material and Surface performance

2-1.Material of Terminal: Red copper

2-2.Process of production: Precision punching

2-3.Fully Ag-plating on surface, it's Ag-plating thickness is1 μm

2-4.Shrapnel:Stainless steel

2.5.Process of production: Precision punching

2-6.Housing: Material PC

2-7. Process of production: Plastic Injection

三、 (Packing and Storage)

1. Standard packing qty: 500pcs/bag for connector; 500pcs/bag for terminal; mate with way: 1connector uses 1 terminal.

2.The products storage condition: temperature: 5-30℃ ,relative humidity:80%, store in no acidic nor alkaline and no corrosive atmosphere warehouse, storage period: 2years.

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四、Ordering Information

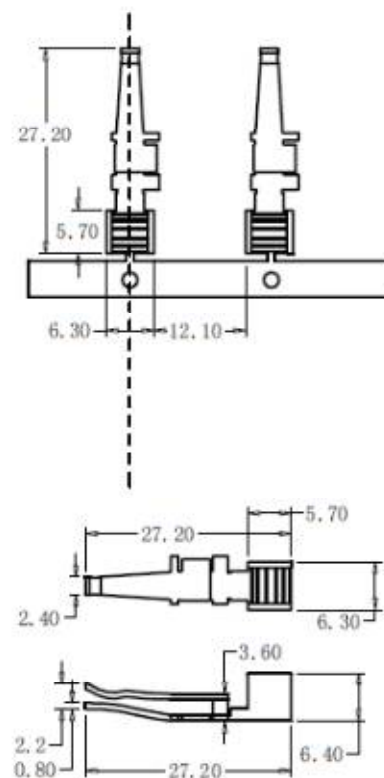
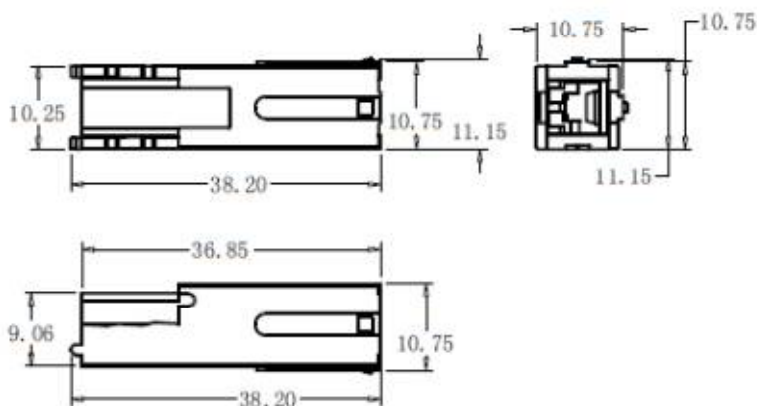
1.Housing Only

Part Number	Housing Color	Part Number	Housing Color
SD55H-BL	Black	SD55H-GR	Green
SD55H-BR	Brown	SD55H-BU	Blue
SD55H-RE	Red	SD55H-PU	Purple
SD55H-OR	Orange	SD55H-GY	Gray
SD55H-YE	Yellow	SD55H-WH	White



2.Terminal-Individual

Part Number	-A- (mm)	-B- (mm)	-C- (mm)	-D- (mm)	Wire	Plating
SD1331-T	16.2	7.7	2.8	4.0	12/16AWG	Ag



Remarks:The dimensional tolerance is plus or minus 0.2mm