

SPECIFICATION

Product Name

Single power connector

Part No

SD45 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): 45A

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

1-3.Insulation Resistance:1000MΩ

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: $\geq 0.5\text{kgf}$

b. The pullout force of finished products: $\geq 1\text{kgf}$

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):250N 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 is1μm

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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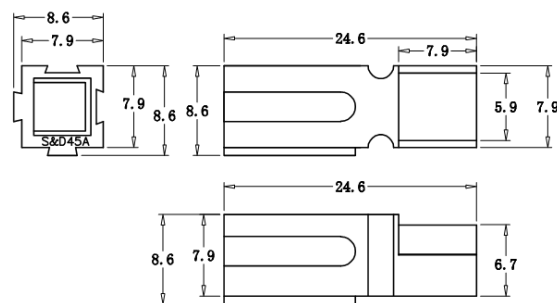
Part No

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四、Ordering Information

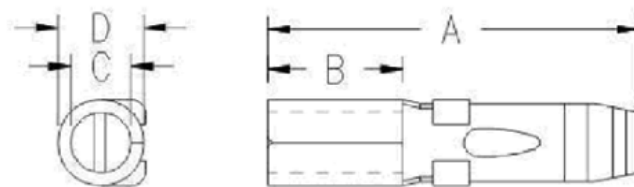
1.Housing Only

Part Number	Housing Color	Part Number	Housing Color
SD45H-BL	Black	SD45H-GR	Green
SD45H-BR	Brown	SD45H-BU	Blue
SD45H-RE	Red	SD45H-PU	Purple
SD45H-OR	Orange	SD45H-GY	Gray
SD45H-YE	Yellow	SD45H-WH	White



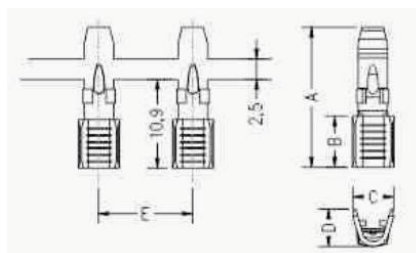
2.Terminal-Individual

Part Number	-A- (mm)	-B- (mm)	-C- (mm)	-D- (mm)	Wire	Plating
SGD1331-T	16.2	7.7	2.8	4.1	10AWG	Ag



3.Terminal-Reel

Part Number	-A- (mm)	-B- (mm)	-C- (mm)	-D- (mm)	-E- (mm)	Wire	Plating
SGD1334-T	17.3	6.3	5.6	5.0	11.5	10/14AWG	Tin
SGD261G2	17.3	6.3	5.6	5.0	11.5	10/14AWG	Tin
SGD262G1	17.3	6.3	3.6	3.9	11.5	16/20AWG	Tin



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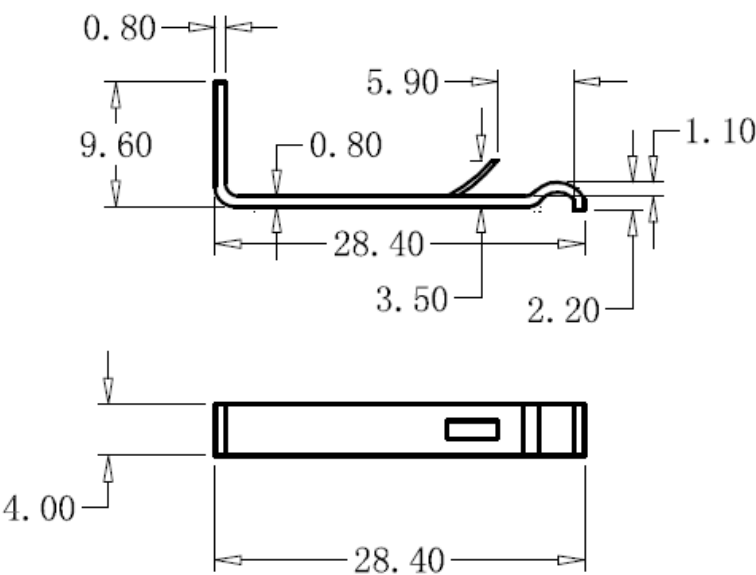
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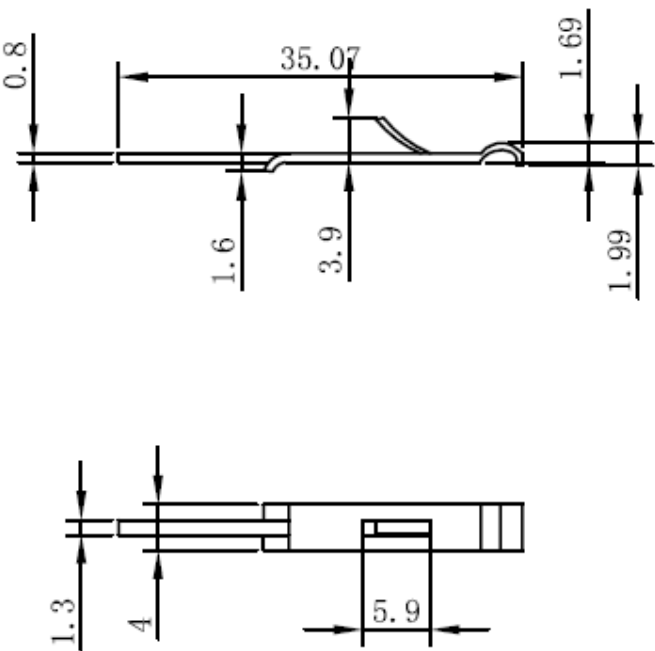
3. Terminal

Part Number
SD1332-T



4. Terminal

Part Number
SD1333-T



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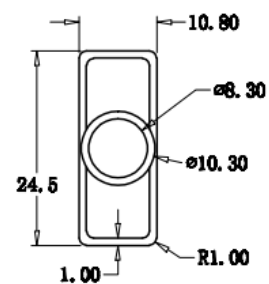
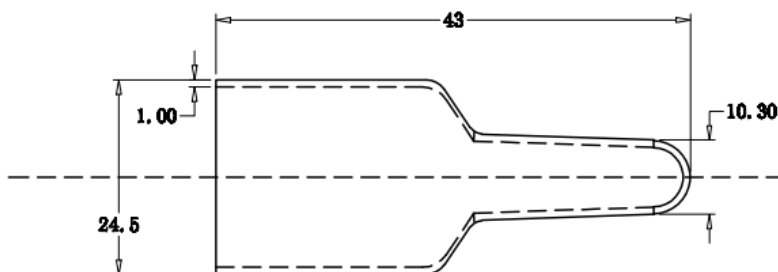
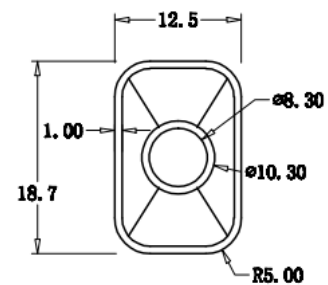
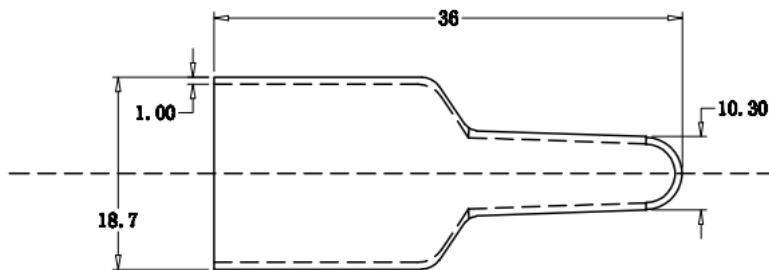
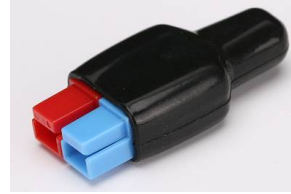
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5.Sheath

Part Number	Pole
SD101L1	2Pole jacket
SD102L1	3Pole jacket



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4.Sheath

Product Name	Part Number					
	Housing without buckle short			Housing without buckle long		
	四位	六位	八位	四位	六位	八位
Bolt	SD110G9	SD110G9	SD110G9	SD110G9	SD110G9	
Fixed seat Four/Six	SD1460G4	SD1460G6	SD1460G8	SD1470G4	SD1470G6	SD1470G8
Metal clip	N/A	N/A	N/A	SD115G1	SD115G2	SD115G3
Self tapping screw	N/A	N/A	N/A	SD115S1	SD115S1	SD115S1
Terminal	SG1331-T/SGD261-T/SGD262-T					
Housing	Please select color					

