



SCPU-17-G-3.00-AMS-BMS

SCRUS-17-G-0.25-AMS-BC

# IP68 USB CIRCULAR SCPU, SCRUS SERIES

Mates with:  
SCRUS

## SPECIFICATIONS

For complete specifications  
see [www.samtec.com?SCPU](http://www.samtec.com?SCPU)

### Insulator Material:

Glass Filled  
Thermoplastic

### Contact Material:

Copper Alloy

### Shield Material:

CRS

### Wire:

Wire gauge varies based  
on length to meet USB 2.0  
specifications. Call Samtec  
for more information.

### Sealed Overmold:

PA66 GF13 FR

### Operating Temp Range:

-20°C to +75°C

### RoHS Compliant:

Yes



## ALSO AVAILABLE

Other wire lengths.  
Dust Cap: DCA-17-02  
Contact Samtec.

| APPLICATION  | SERIES |
|--------------|--------|
| ETHERNET     | SCPE   |
| POWER        | SCP1   |
| HIGH DENSITY | SCP2   |
| TIGER EYE™   | SCP3   |

Note: Some lengths,  
styles and options are  
non-standard, non-returnable.

| SCPU                       | SHELL SIZE             | PLATING                                                      | WIRE LENGTH                                                                                                                                  | END 1 OPTION                                                                                                             | END 2 OPTION                                                                                                                                                                                                                                                                                                                   |
|----------------------------|------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -17<br>(Standard USB only) | -10<br>(Mini USB only) | -G<br>= 30μ" (0.76μm)<br>Gold on Contact,<br>Nickel on Shell | -2.00<br>= (2m) 79" Cable<br>-3.00<br>= (3m) 118" Cable<br>-5.00<br>= (5m) 197" Cable<br>(Assembled Length<br>= Wire Length<br>+ (19.5) .77) | -AMS<br>= USB A Type,<br>Sealed<br>-BMS<br>= USB B Type,<br>Sealed<br>-MBS<br>= Mini USB B<br>Type, Sealed<br>(-10 only) | See chart for available<br>combinations<br>-AMS<br>= USB A Type, Sealed<br>-BMS<br>= USB B Type, Sealed<br>(-17 only)<br>-MBS<br>= Mini USB B Type,<br>Sealed<br>(-10 only)<br>-AM<br>= USB A Type,<br>Not Sealed<br>-BM<br>= USB B Type,<br>Not Sealed<br>(-17 only)<br>-MB<br>= Mini USB B Type,<br>Not Sealed<br>(-10 only) |

## ALSO AVAILABLE

Dust Cap: DCA-17-01  
Panel Plug: SCPPA-17-01



Mates with:  
SCPU

## SPECIFICATIONS

For complete specifications and  
recommended panel hole layout  
see [www.samtec.com?SCRUS](http://www.samtec.com?SCRUS)

### Insulator Material:

PBT

### Contact Material:

Phosphor Bronze

### O-Ring:

Silicone

### Operating Temp Range:

-20°C to +75°C

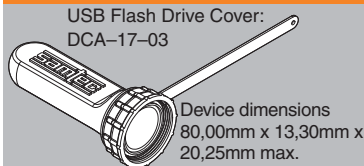
### RoHS Compliant:

Yes



## ALSO AVAILABLE

USB Flash Drive Cover:  
DCA-17-03



Device dimensions  
80.00mm x 13.30mm x  
20.25mm max.

| TYPE                                                           | SHELL SIZE                                                 | PLATING                                                      | WIRE LENGTH                                                                                                               | END 1 OPTION                                                                                      | END 2 OPTION                                                                                                                                                                         |
|----------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCRUS<br>= Sealed Circular<br>USB Receptacle<br>Cable Assembly | -17<br>(Standard<br>USB only)<br>-10<br>(Mini<br>USB only) | -G<br>= 30μ" (0.76μm)<br>Gold on Contact,<br>Nickel on Shell | -0.25<br>= (0.25m) 9.84" Cable<br>-0.50<br>= (0.50m) 19.68" Cable<br>(Assembled Length<br>= Wire Length<br>+ (37.9) 1.50) | -AMS<br>= USB A Type, Sealed<br>-BMS<br>= USB B Type, Sealed<br>-MBS<br>= Mini USB B Type, Sealed | See chart for available<br>combinations<br>-AM<br>= USB A Type,<br>Not Sealed<br>-BM<br>= USB B Type,<br>Not Sealed<br>-MB<br>= Mini USB B<br>Type, Not Sealed<br>-BC<br>= Blunt Cut |

Due to technical progress, all designs, specifications and components are subject to change without notice.

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