

(4.19 mm) .165"

PMSDT-02-24-K-03.50-D-LUS

PMSS, PMSDT, PMSS, PMSST SERIES

# POWER MATE® CABLE ASSEMBLY

## SPECIFICATIONS

For complete specifications see [www.samtec.com?PMSSD](http://www.samtec.com?PMSSD), [www.samtec.com?PMSDT](http://www.samtec.com?PMSDT), [www.samtec.com?PMSS](http://www.samtec.com?PMSS) or [www.samtec.com?PMSST](http://www.samtec.com?PMSST)

### Insulator Material:

Valox 457

### Contact Material:

Phosphor Bronze

### Plating:

Sn over 50 µ" (1.27 µm) Ni

### Operating Temp Range:

-10 °C to +105 °C (PVC)

-40 °C to +105 °C (\*Teflon®)

### Voltage Rating:

22 &amp; 24 AWG =

300 VAC/424 VDC (PVC)

16, 18 &amp; 20 AWG =

424 VAC/600 VDC (PVC)

24 AWG =

300 VAC/424 VDC (\*Teflon®)

### Wire:

16 to 24 AWG

### RoHS Compliant:

Yes

\*DuPont™ Teflon® is a registered trademark of the E.I. du Pont de Nemours and Company or its affiliates.

Mates with:  
IPBT

| PMSD/IPBT      |                          |
|----------------|--------------------------|
| WIRE GAUGE     | CURRENT RATING (PER PIN) |
| 16 AWG         | 10.3 A                   |
| 18 AWG         | 8.8 A                    |
| 22 AWG         | 5.7 A                    |
| 24 AWG         | 5.2 A                    |
| 2 PINS POWERED |                          |

Plastic latch

Wire range from 16-24 AWG

Keyed polarization

Single or Double end option

**RUGGEDIZED**  
BY SAMTEC

- Individually shrouded contacts
- Plastic latches

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## COMPONENTS

- For body, see [www.samtec.com?IPBD](http://www.samtec.com?IPBD)
- For contacts, see [www.samtec.com?CC69L](http://www.samtec.com?CC69L)  
[www.samtec.com?CC69R](http://www.samtec.com?CC69R)

## ALSO AVAILABLE (MOQ Required)

- Color coded cables (\*Teflon® N/A)
- Other sizes/pin counts
- 20 AWG/300 Volts

### Notes:

For wiring option information refer to drawing on web.

Teflon® cable is intended for crimp only. Contact Samtec for solderable cable applications.

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

TYPE

PINS PER ROW

WIRE GAUGE

K

ASSEMBLED LENGTH

END OPTION

LATCH OPTION

**PMSD**  
= Double Row  
PVC Cable

**PMSDT**  
= Double Row  
\*Teflon® Cable  
(24 AWG only)

**PMSS**  
= Single Row  
PVC Cable

**PMSST**  
= Single Row  
\*Teflon® Cable  
(24 AWG only)

-02,  
-03, -04,  
-05, -08,  
-10, -15\*  
(Standard sizes)  
\*Only available for double row

-16  
-18  
-206  
(20 AWG/  
600 volts)  
-22  
-24

-K  
= Keyed  
Polarization

-“XX.XX”  
= Wire  
Length in Inches  
(88.90 mm)  
03.50" min.

-S  
= Single End  
-D  
= Double End  
(Latch required)

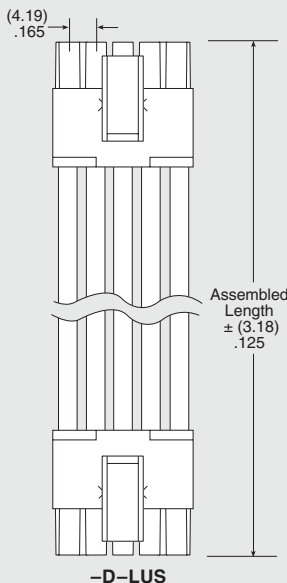
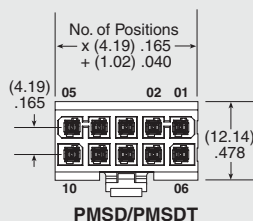
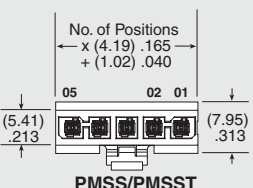
-LUS  
= Plastic Latch up,  
straight

-LDS  
= Plastic Latch down,  
straight

-LUX\*  
= Plastic Latch up,  
crossed

-LDX\*  
= Plastic Latch down,  
crossed

\*(PMSD/PMSDT only)



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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.