



(4,19mm) .165"

PMSD, PMSDT, PMSS, PMSST, IPBD SERIES

# DISCRETE WIRE POWER CABLE ASSEMBLY

Mates with:  
IPBT

## SPECIFICATIONS

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

Insulator Material:

Valox 457

Contact Material:

Phosphor Bronze

Plating:

Sn over 50µm

(1,27µm) Ni

Operating Temp Range:

-55°C to +105°C (PVC)

-55°C to +125°C (\*Teflon®)

Voltage Rating:

22 & 24 AWG =

300 VAC/424 VDC (PVC)

16, 18 & 20 AWG =

600 VAC/848 VDC (PVC)

24 AWG =

300 VAC/424 VDC (\*Teflon®)

Wire:

16 to 24 AWG

RoHS Compliant:

Yes



TYPE	PINS PER ROW	WIRE GAUGE	LEAD STYLE	ASSEMBLED LENGTH	END OPTION	LATCH OPTION
<b>PMSD</b> = Double Row PVC Cable	-02, -03, -04, -05, -08, -10, -15	-16 -18 -206 (20 AWG/ 600 volts)	-SP = Standard Power	-“XX.XX” = Wire Length in Inches (88,90mm) 03.50" min.	-S = Single End  -D = Double End (Latch required)	
<b>PMSDT</b> = Double Row *Teflon® Cable (18 AWG only)		-22 -24				
<b>PMSS</b> = Single Row PVC Cable (-02, -03, -04, -05)						
<b>PMSST</b> = Single Row *Teflon® Cable (24 AWG only)						

No. of Positions x (4,19) .165  
+ (1,02) .040

10 02 01

(12,14) .478

(4,19) .165

PMSD/PMSDT

No. of Positions x (4,19) .165  
+ (1,02) .040

10 02 01

(5,41) .213

(7,95) .313

PMSS/PMSS

-D-MUX

(4,19) .165

Assembled Length ± (3,18) .125

-D-LUS

- M = Single Ended, Metal Latches PMSD/PMSDT only (Leave blank for plastic)
- LUS = Plastic Latch up, straight
- LDS = Plastic Latch down, straight
- LUX\* = Plastic Latch up, crossed
- LDX\* = Plastic Latch down, crossed
- MUS = Metal Latch up, straight
- MDS = Metal Latch down, straight
- MUX\* = Metal Latch up, crossed
- MDX\* = Metal Latch down, crossed (\* PMSD/PMSDT only)

- Individually shrouded contacts
- Metal or plastic latches

CURRENT RATING		
AMBIENT TEMP	PMSD/ IPBT	PMSDT/ IPBT
20°C	12.1A	12A
40°C	10.5A	10.5A
60°C	8.7A	8.7A
75°C	7A	7A
	6 POS. (2x3) 16 AWG POWERED	6 POS. (2x3) 18 AWG POWERED

## APPLICATION SPECIFIC OPTION

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

\*Teflon® is a trademark of Dupont.

Note: For wiring option information refer to drawing on web.

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

TYPE	POSITIONS PER ROW	ROW OPTION	LATCH OPTION	TYPE	WIRE GAUGE	01	T	LEAD STYLE
<b>IPBD</b> = Body, Loose	-02, -03, -04, -05, -08, -10, -15 (-D only)	-S = Single Row  -D = Double Row	-M = Metal Latch (Leave blank for plastic latch)	<b>CC69L</b> = Contact, Loose	-2024 = 20 to 24 AWG		-T = Tin	-SP = Standard Power
	-02, -03, -04, -05 (-S only)			<b>CC69R</b> = Contact, Full Reel (4,000 Parts per Reel)	-1620 = 16 to 20 AWG			

(19,56) .770

(12,32) .485

(13,21) .520

(19,23) .757

(1,57) .062 DIA

(3,81) .150

(1,91) .075

(5,40) .2125

**HAND TOOLS**

16 to 20 AWG:  
CAT-HT-169-1620-11

20 to 24 AWG:  
CAT-HT-169-2024-11

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

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