

(2.54 mm) .100"

MMSD, MMSDT, MMSS, MMSST SERIES

MINI MATE® CABLE ASSEMBLY

SPECIFICATIONS

For complete specifications see www.samtec.com?MMSD, www.samtec.com?MMSDT, www.samtec.com?MMSS or www.samtec.com?MMSST

Insulator Material:
Nylon 66

Contact Material:
Phosphor Bronze

Plating:

Au or Sn over
50 μm (1.27 μm) Ni

Operating Temp Range:

-10 °C to +105 °C (PVC)

for 20, 22, 24, 26 AWG

-10 °C to +80 °C (PVC)

for 28, 30 AWG

-40 °C to +125 °C (*Teflon®)

Voltage Rating:

300 VAC

Wire:

20 to 30 AWG

RoHS Compliant:

Yes

Board Mates:

IPL1

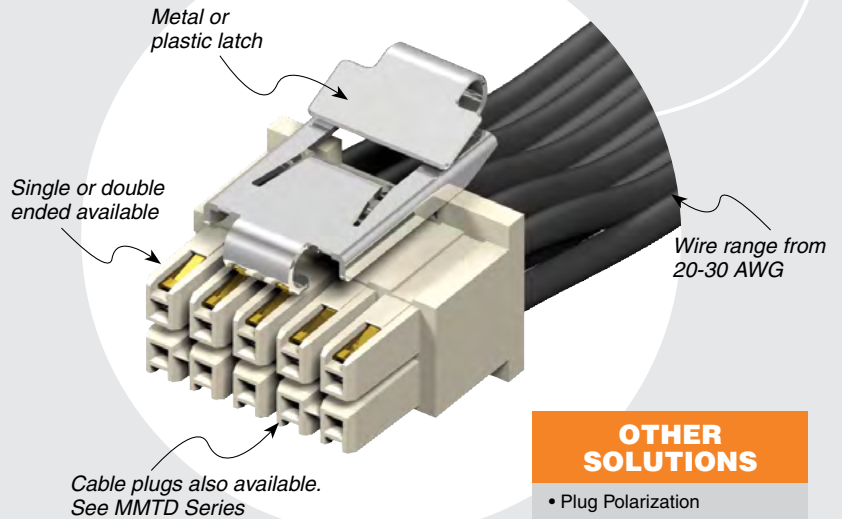
(Does not mate with IPT1)

Cable Mates:

MMTD(T), MMTS(T)

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

MMSD/IPL1	
WIRE GAUGE	CURRENT RATING (PER PIN)
20	5.4 A
22	4.3 A
24	3.9 A
26	3.5 A
28	2.6 A
30	2.1 A
1 PIN POWERED	



OTHER SOLUTIONS

• Plug Polarization

For specification, see www.samtec.com?PK-79.

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



FILE NO. E113194

ALSO AVAILABLE (MOQ Required)

- Other color coded cables (*Teflon® N/A)
- Other sizes/pin counts
- Other Gold platings
- Guide post
- Contact Samtec.

APPLICATION

-20C, -24C, -28C CABLE COLOR CODING	
PIN	COLOR
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	BLUE
7	VIOLET
8	GRAY
9	WHITE
10	BLACK
ETC	REPEAT

Notes:
For wiring option information refer to drawing on web.
Some lengths, styles and options are non-standard, non-returnable.

TYPE	PINS PER ROW	WIRE GAUGE	PLATING OPTION	ASSEMBLY LENGTH	END OPTION	K	LATCH OPTION
MMSD	-02, -03, -04, -05, -06, -08,	-20 -20C	-L = 10 μm (0.25 μm) Gold on contact, Tin on tail	- "XX.XX" = Assembly Length in Inches (82.55 mm) 03.25" min.	-S = Single End -D = Double End (Latch Required)	-K = Keyed Polarization	
MMSDT	-10, -12, -15, -16, -20, -25 (Standard sizes)	-22 -24 -24C					
MMSS		-26 -28 -28C					
MMSST		-30					

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

No. of positions x (2.54) .100 + (1.40) .055

(8.89) .350

(2.54) .100

(12.83) .505

-M & -MX (MMSD/MMSDT)

-D-K-MUS

Assembly Length ± (3.18) .125

(Metal latches for more rugged environments; -02, -05 & -10 positions only)

- M = Single Ended, Metal Latches (Leave blank for plastic)
- Double Ended (-D) Crossed requires MMSD/MMSDT
- 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