

(2.54 mm) .100"

MMSD, MMSDT, MMSS, MMSST SERIES

# MINI MATE® CABLE ASSEMBLY

## SPECIFICATIONS

For complete specifications see [www.samtec.com?MMSD](http://www.samtec.com?MMSD), [www.samtec.com?MMSDT](http://www.samtec.com?MMSDT), [www.samtec.com?MMSS](http://www.samtec.com?MMSS) or [www.samtec.com?MMSST](http://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

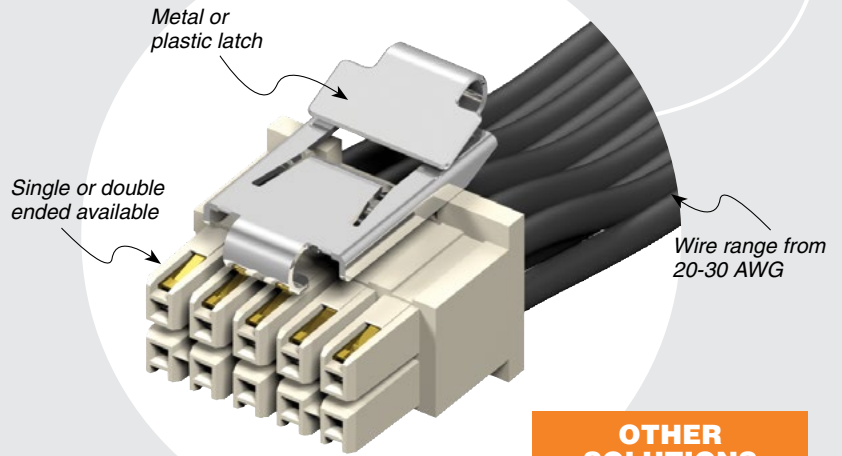
(Does not mate with IPT1)

**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	4.8 A
22	4.3 A
24	3.9 A
26	3.5 A
28	2.6 A
30	2.1 A
2 PINS POWERED	



## OTHER SOLUTIONS

• Plug Polarization

For specification, see [www.samtec.com?PK-79](http://www.samtec.com?PK-79).

## RECOGNITIONS

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



FILE NO. E11394

## 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, -10, -12, -15, -16, -20, -25 (Standard sizes)	-20 -20C -22 -24 -24C -26 -28 -28C -30	-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							
MMSS							
MMSST							

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

**-M & -MXX (MMSD/MMSDT)**

**-D-K-MUS**

**MMSD/MMSST**

**MMSD/MMSDT**

(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

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.