

(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

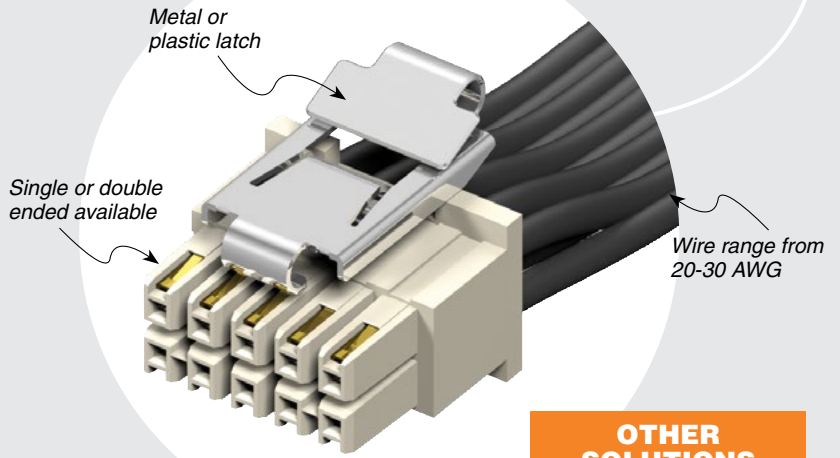
(Does not mate with IPT1)

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	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.

RECOGNITIONS

For complete scope of recognitions see 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 = Double Row PVC Cable	-02, -03, -04, -05, -06, -08,	-20 = Color Coded Cable	-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 = Double Row *Teflon® Cable (20, 24, 28 & 30 AWG only)	-10, -12, -15, -16, -20, -25 (Standard sizes)	-22 -24 -24C = Color Coded Cable					
MMSS = Single Row PVC Cable		-26 -28 -28C = Color Coded Cable					
MMSST = Single Row *Teflon® Cable (20, 24, 28 & 30 AWG only)		-30					

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

Diagram labels: -M & -MXX (MMSD/MMSDT), -D-K-MUS, -D-K-EUS

Dimensions: (8.89) .350, (2.54) .100, (12.83) .505, No. of positions x (2.54) .100 + (1.40) .055, 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

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

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.