

(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

Voltage Rating:
-40 °C to +125 °C (*Teflon®)
300 VAC

Wire:
20 to 30 AWG

RoHS Compliant:
Yes

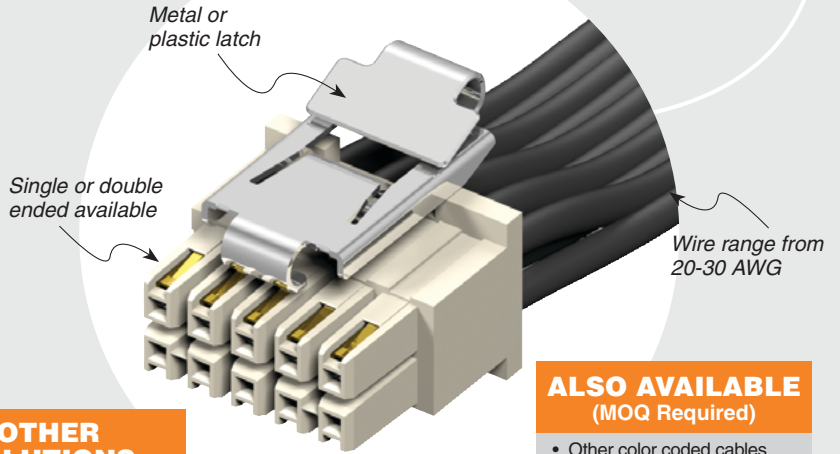
Board Mates:

IPL1
(Does not mate with IPT1)

Cable Mates:

MMTD(T), MMTS(T)

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.

ALSO AVAILABLE (MOQ Required)

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

RECOGNITIONS

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



COMPONENTS

- For body, see www.samtec.com?IPD1
- For contacts, see www.samtec.com?CC79L www.samtec.com?CC79R

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:

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

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	

-M & -MXX (MMSD/MMSDT)

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

Diagram Dimensions:

- Pin pitch: (2.54) .100
- Pin height: (8.89) .350
- Pin diameter: (12.83) .505
- Pin offset: (1.40) .055

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