

(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 μ" (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

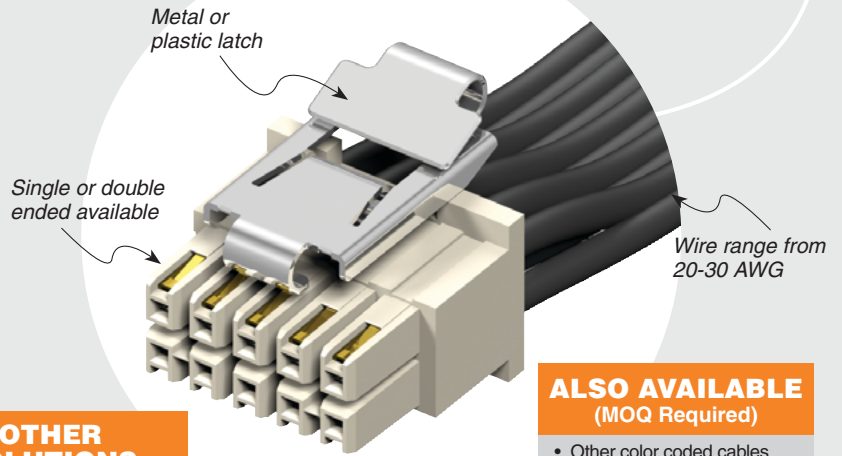
Board Mates:

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 μ" (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 | |

*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

-M & -MXX (MMSD/MMSDT)

-D-K-MUS

-D-K-LUS

MMS/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.

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