

(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

50µ" (1,27 µm) Ni

### Operating Temp Range:

-10°C to +105°C (PVC)

-40°C to +125°C (\*Teflon®)

### Voltage Rating:

300 VAC

Wire: 20 to 30 AWG

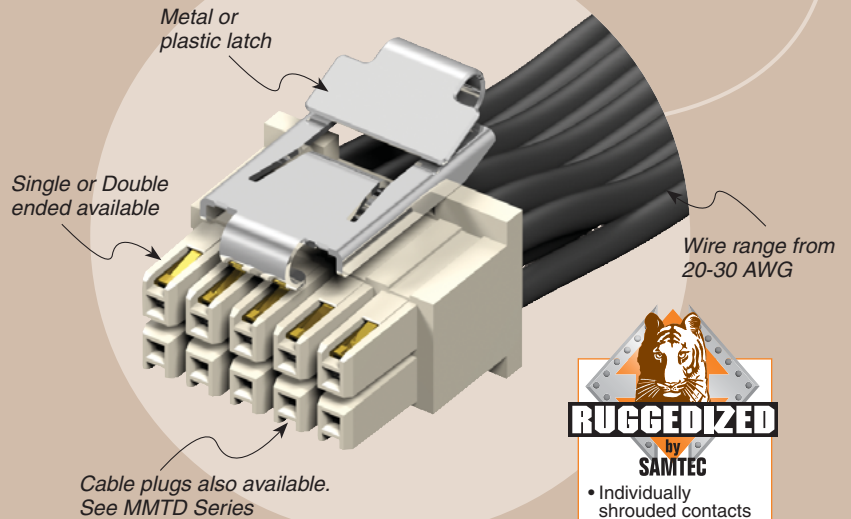
RoHS Compliant: Yes

Mates with: IPL1  
(Does not mate with IPT1)

| 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                    |
| 1 PIN POWERED |                          |

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

Note: For wiring option information refer to drawing on web.



## RECOGNITIONS

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



## ALSO AVAILABLE (MOQ Required)

- Other color coded cables (\*Teflon® N/A)
  - Other sizes/pin counts.
  - With or without Plug Polarization (omit pin 1)
  - Other Gold platings
  - Guide post
- Contact Samtec.

## APPLICATION

| -24C 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 |

Note: 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<br>= Double Row PVC Cable                              | -02, -03,<br>-04, -05,<br>-06, -08,                 | -20<br>-22<br>-24                                | -L<br>= 10µ" (0,25 µm) Gold on contact, Tin on tail | - "XX.XX"<br>= Assembly Length in Inches (82,55 mm) 03.25" min. | -S<br>= Single End<br><br>-D<br>= Double End (Latch Required) | -K<br>= Keyed Polarization |              |
| MMSDT<br>= Double Row *Teflon® Cable (24, 28 & 30 AWG only) | -10, -12,<br>-15, -16,<br>-20, -25 (Standard sizes) | -24C<br>= Color Coded Cable<br>-26<br>-28<br>-30 |   |   |   |                            |              |
| MMSS<br>= Single Row PVC Cable                              |   |  |   |   |   |                            |              |
| MMSST<br>= Single Row *Teflon® Cable (24, 28 & 30 AWG only) |   |  |   |   |   |                            |              |

-M & -MXX (MMSD/MMSDT)

-D-K-MUS

-D-K-LUS

(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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