

(2.54 mm) .100"

MMSS-10-20-L-03.25-D-K-LUS

MMSD-05-20-L-04.25-D-K-MUX

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

-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)

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	

Metal or plastic latch

Single or double ended available

Wire range from 20-30 AWG

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



FILE NO. E111594

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 = Double Row PVC Cable	-02, -03, -04, -05, -06, -08, -10, -12, -15, -16, -20, -25 (Standard sizes)	-20 = Color Coded Cable -22 -24 -26 -28 -28C = Color Coded Cable -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	
MMSDT = Double Row *Teflon® Cable (20, 24, 28 & 30 AWG only)							
MMSS = Single Row PVC Cable							
MMSST = Single Row *Teflon® Cable (20, 24, 28 & 30 AWG only)							
*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 (8.89) .350 (2.54) .100 (12.83) .505 (2.54) .100 (2.54) .100 Assembly Length ± (3.18) .125 -M & -MXX (MMSD/MMSDT) -D-K-MUS -D-K-LUS MMSS/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

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[MMSD-02-24-L-04.00-S-K](#) [MMSD-02-24-L-10.00-S-K](#) [MMSD-02-24-L-12.00-D-K-LUS](#) [MMSD-02-24-L-12.00-D-K-MDX](#) [MMSD-02-24-L-99.90-D-K-LUS](#) [MMSD-02-26-L-04.00-S-K-M](#) [MMSD-02-28-L-08.00-S-K-M](#) [MMSD-02-30-L-36.00-S-K](#) [MMSD-20-22-L-82.00-D-K-LDX](#) [MMSD-20-24C-L-48.00-S-K](#) [MMSD-20-24C-L-60.00-D-K-MUS](#) [MMSD-20-24-L-24.00-D-K-LUS](#) [MMSD-20-26-L-36.00-D-K-LDX](#) [MMSD-25-20C-L-07.87-D-K-LDS](#) [MMSD-25-20-F-05.00-D-K-MUS](#) [MMSD-25-20-F-16.00-D-K-LUS](#) [MMSD-25-20-L-18.00-D-K-LDX](#) [MMSD-25-20-L-24.00-D-K-LUX](#) [MMSD-25-20-L-27.50-D-K-LDX](#) [MMSD-25-22-L-05.00-D-K-LUS](#) [MMSD-25-26-L-05.00-S-K](#) [MMSD-25-28-L-39.37-D-K-LUS](#) [MMSD-02-20-F-12.00-D-K-LUS](#) [MMSD-15-24C-L-10.00-S-K](#) [MMSD-15-24C-L-12.00-S-K](#) [MMSD-15-24C-S-12.00-D-K-LUS](#) [MMSD-15-24-L-16.00-S-K](#) [MMSD-15-24-L-20.00-D-K-LUS](#) [MMSD-15-26-F-12.00-D-K-LUS](#) [MMSD-15-26-L-04.00-S-K](#) [MMSD-03-24C-L-25.00-S-K](#) [MMSD-03-24C-L-36.00-S-K-M](#) [MMSD-03-24-L-13.80-S-K](#) [MMSD-03-24-L-19.00-D-K-LDX](#) [MMSD-04-20-L-03.25-D-K-LDS](#) [MMSD-04-20-L-15.75-S-K](#) [MMSD-04-24C-L-04.00-S-K](#) [MMSD-04-24-L-12.00-D-K-LDS](#) [MMSD-05-20-F-03.00-S-K](#) [MMSD-05-20-F-03.00-S-K-M](#) [MMSD-05-20-L-25.00-D-K-LUX](#) [MMSD-05-24C-L-72.00-S-K](#) [MMSD-05-24-L-05.00-D-K-LDS](#) [MMSD-05-24-L-05.00-S-K](#) [MMSD-05-24-L-08.00-D-K-LUX](#) [MMSD-05-24-L-12.00-S-K-M](#) [MMSD-05-24-L-13.00-D-K-LDS](#) [MMSD-05-24-L-13.00-D-K-LDX](#) [MMSD-05-24-L-53.54-D-K-LUS](#) [MMSD-05-26-L-03.25-S-K-M](#) [MMSD-05-26-L-04.00-S-K](#) [MMSD-05-26-L-07.90-D-K-LUS](#) [MMSD-05-26-L-10.00-D-K-LDX](#) [MMSD-05-26-L-10.00-S-K](#) [MMSD-05-26-L-40.00-D-K-LDX](#) [MMSD-05-26-S-09.00-S-K](#) [MMSD-05-28-L-10.00-S-K](#) [MMSD-05-28-L-12.00-D-K-LUS](#) [MMSD-06-20-L-18.00-S-K](#) [MMSD-15-24C-L-40.00-S-K](#) [MMSD-15-24-L-10.00-S-K](#) [MMSD-15-24-L-45.00-D-K-LUS](#) [MMSD-15-24-S-20.00-S-K](#) [MMSD-15-24-S-38.40-D-K-LDX](#) [MMSD-15-28-L-24.00-S-K](#) [MMSD-16-20-L-04.00-D-K-LUS](#) [MMSD-16-22-F-32.00-D-K-LDX](#) [MMSD-16-24C-F-59.00-S-K](#) [MMSD-16-24-L-14.00-S-K](#) [MMSD-20-20-L-15.00-S-K-M](#) [MMSD-20-20-L-24.00-S-K-M](#) [MMSD-20-20-L-60.00-D-K-LUS](#) [MMSD-20-20-L-80.00-D-K-LUS](#) [MMSD-20-22-L-04.00-S-K](#) [MMSD-20-22-L-36.00-S-K](#) [MMSD-20-24-L-04.00-S-K](#) [MMSD-20-26-L-12.00-D-K-LUS](#) [MMSD-25-20-L-12.00-D-K-LUS](#) [MMSD-25-20-L-24.00-D-K-LUS](#) [MMSD-25-20-L-36.00-D-K-LDX](#) [MMSD-25-22-S-39.37-D-K-LUS](#) [MMSD-25-24C-L-24.00-S-K](#) [MMSD-25-26-L-07.00-S-K-M](#) [MMSD-02-24-L-03.20-S-K](#) [MMSD-02-24-L-13.50-S-K](#) [MMSD-15-24C-F-07.90-D-K-LDX](#) [MMSD-15-24-L-06.00-D-K-LDS](#) [MMSD-15-24-L-30.00-S-K](#) [MMSD-15-30-L-04.00-D-K-MUS](#) [MMSD-16-20-L-12.00-D-K-LDS](#) [MMSD-16-22-L-15.00-S-K-M](#) [MMSD-16-22-L-48.00-S-K-M](#) [MMSD-16-24-L-12.00-S-K-M](#) [MMSD-18-28-F-05.50-D-K-LUX](#) [MMSD-20-20-L-12.00-D-K-LUS](#) [MMSD-20-20-L-60.00-D-K-MDS](#) [MMSD-20-22-L-04.00-D-K-LUX](#) [MMSD-20-22-L-20.00-D-K-LDX](#) [MMSD-20-24C-L-08.00-S-K-M](#) [MMSD-20-24C-L-32.00-D-K-LDX](#)