



MINI MATE® CABLE MMSD, MMSDT, MMSS, MMSST, IPD1 SERIES

Mates with:
IPL1 (Does not mate with IPT1)

SPECIFICATIONS

For complete specifications see www.samtec.com?MMSD, www.samtec.com?MMSDT, www.samtec.com?MMSS, www.samtec.com?MMSST or www.samtec.com?IPD1

Insulator Material: Nylon 66

Contact Material: Phosphor Bronze

Plating: Au or Sn over 50µ" (1,27µm) Ni



Operating Temp Range:

-55°C to +105°C (20-26 AWG)

-55°C to +80°C (28-30 AWG)

-55°C to +125°C (*Teflon®)

Voltage Rating: 675 VAC

Wire: 20 to 30 AWG

RoHS Compliant: Yes

CURRENT RATING	
AMBIENT TEMP	MMSD/IPL1
20°C	7.4A
40°C	6.5A
60°C	5.9A
95°C	3.8A

6 POSITIONS (2x3)
20 AWG POWERED

APPLICATION SPECIFIC OPTION

- Other color coded cables (*Teflon® N/A).
- Other sizes/pin counts.
- With or without Plug Polarization (omit pin 1). Call 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: For wiring option information refer to drawing on web.

Note: Other Gold plating options available. Contact Samtec.

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 = Double Row PVC Cable	-02, -05, -10,	-20 -22 -24	-L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail	-“XX.XX” = Assembly Length in Inches (82,55mm) 03.25" min.	-S = Single End -D = Double End (Latch Required)	-K = Keyed Polarization	
MMSDT = Double Row *Teflon® Cable (28 & 30 Wire Gauge only)	-15, -16, -20, -25	-24C = Color Coded Cable -26 -28 -30					
MMSS = Single Row PVC Cable							
MMSST = Single Row *Teflon® Cable (28 & 30 Wire Gauge only)							

No. of positions
x (2,54) .100
+ (1,40) .055

(8,89)
.350
(2,54) .100

(12,83) .505

(2,54) .100

(7,24) .285

(17,93) .706
(1,57) .062 DIA
(3,81) .150
(3,17) .1250
(1,91) .075

-M & -MXX
(MMSD/MMSDT)

-D-K-MUS

-D-K-LUS

-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

TYPE	POSITIONS PER ROW	ROW OPTION	K	LATCH OPTION	TYPE	WIRE GAUGE	01	PLATING OPTION
IPD1 = Body, Loose	-02, -05, -10, -15, -16, -20, -25	-S = Single Row -D = Double Row	-K = Keyed Polarization	-M = Metal Latch (Leave blank for plastic latch)	CC79L = Contact, Loose CC79R = Contact, Full Reel (15,000 Parts per Reel)	-2630 = 26 to 30 AWG -2024 = 20 to 24 AWG		-L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail

(12,83) .505

(7,24) .285

(17,93) .706
(1,57) .062 DIA
(3,81) .150
(3,17) .1250
(1,91) .075

HAND TOOLS

20 to 24 AWG: CAT-HT-179-2024-11
26 to 30 AWG: CAT-HT-179-2630-11

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

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