



(2,54mm) .100"

MMSD, MMSDT, MMSS, MMSST, IPD1 SERIES

DISCRETE WIRE CABLE ASSEMBLY

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 (PVC)
-55°C to +125°C (*Teflon®)

Voltage Rating: 22 to 30 AWG = 300 VAC/424 VDC
20 AWG = 600 VAC/848 VDC (PVC)

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).
 - Other Gold plating options.
 - Guide post
- 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: 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, 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 (24, 28 & 30 AWG only)	-15, -16, -20, -25	-24C = Color Coded Cable -26 -28 -30					
MMSS = Single Row PVC Cable							
MMSST = Single Row *Teflon® Cable (24, 28 & 30 AWG only)							

No. of positions
x (2,54) .100

25 + (1,40) .055 01

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

(12,83)
.505

(7,24)
.285

(17,93)
.706

(1,57)
.062
DIA

(1,91)
.075

(3,81)
.150

(3,17) .1250

-M & -MXX
(MMSD/MMSDT)

-D-K-MUS

-D-K-LUS

Assembly Length
± (3,18)
.125

RUGGEDIZED
by
SAMTEC

- Individually shrouded contacts
- Metal or plastic latches

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	-2630 = 26 to 30 AWG		-L = 10µ" (0,25µm) Gold on contact, Tin on tail
					CC79R = Contact, Full Reel (14,000 Parts per Reel)	-2024 = 20 to 24 AWG		

(12,83)
.505

(7,24)
.285

(17,93)
.706

(1,57)
.062
DIA

(1,91)
.075

(3,81)
.150

(3,17) .1250

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.

WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329
SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01238 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292

SAMTEC ISRAEL • Tel: 972-3-7526600 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-61103766

Downloaded from Elcodis.com electronic SAMTEC TAIWAN • Tel: 886-2-27456109 SAMTEC HONG KONG • Tel: 852-26904658 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9580 0583