



(2,54mm) .100"

MMSD, MMSDT, MMSS, MMSST, IPD1 SERIES

MMSST-10-30-L-03.25-D-K-LUS

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

IPD1-05-D-K-M

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)
.350
(2,54)
.100

(12,83)
.505

(2,54) .100

(12,83)
.505

(7,24)
.285

(1,57)
.062 DIA
(1,91)
.075
(17,93)
.706
(3,81)
.150
(3,17) .125

Assembly Length ± (3,18) .125

-D-K-MUS

-M & -MXX (MMSD/MMSDT)

-D-K-LUS

RUGGEDIZED
by
SAMTEC

- Individually shrouded contacts
- Metal or plastic latches

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

(12,83)
.505

(7,24)
.285

(1,57)
.062 DIA
(1,91)
.075
(17,93)
.706
(3,81)
.150
(3,17) .125

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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