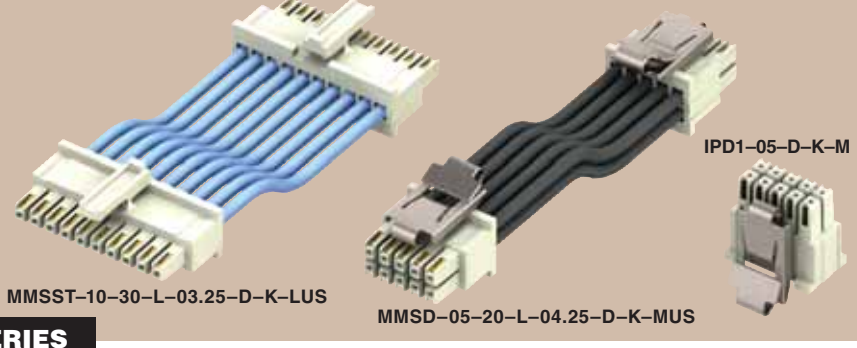
samtec

mini MATE®

(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
FILE NO. E111594
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:
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.

Call Samtec.

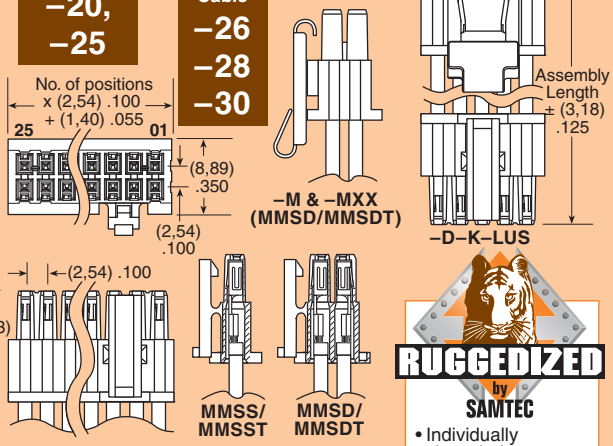
APPLICATION

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

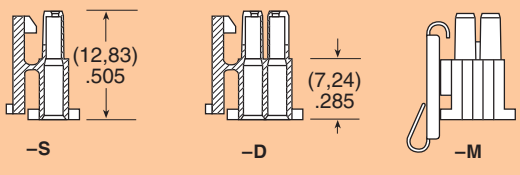


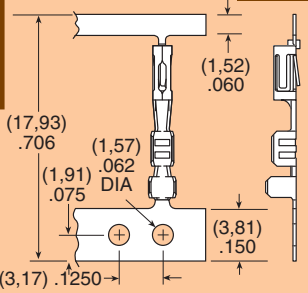
RUGGEDIZED by SAMTEC

- Individually shrouded contacts
- Metal or plastic latches

TYPE	POSITIONS PER ROW	ROW OPTION	K	LATCH 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)

TYPE	WIRE GAUGE	01	PLATING OPTION
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





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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