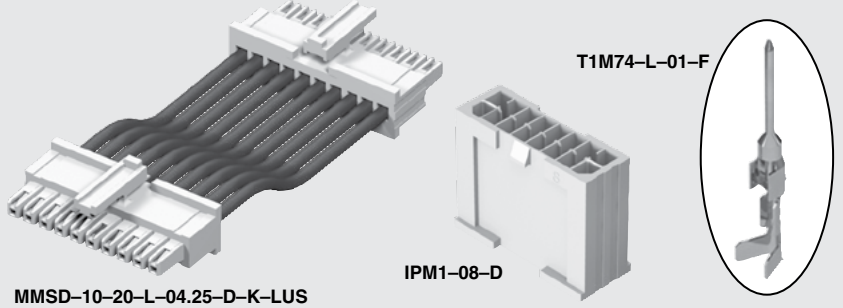




miniMATE®



T1M74-L-01-F

MMSD-10-20-L-04.25-D-K-LUS

IPM1-08-D

(2.54 mm) .100"

IPM1, T1M74, MMSD, MMSDT, MMSS, MMSST SERIES

# DISCRETE WIRE COMPONENTS & TOOLING

## SPECIFICATIONS

For complete specifications see [www.samtec.com?IPM1](http://www.samtec.com?IPM1), [www.samtec.com?T1M74-L](http://www.samtec.com?T1M74-L) or [www.samtec.com?T1M74-R](http://www.samtec.com?T1M74-R)

## TOOLING

- Hand Tool:  
CAT-HT-174-2030-13
- Mini Applicator  
(20-24 AWG):  
CAT-MA-174-2024-XX-01
- Mini Applicator  
(26-30 AWG):  
CAT-MA-174-2630-XX-01
- Extraction Tool:  
CAT-EX-74-01

TYPE	POSITIONS PER ROW	ROW OPTION	TYPE	WIRE GAUGE	PLATING OPTION
IPM1 = Body, Loose	-02, -03, -04, -05, -06, -08, -10, -12, -15, -16, -20, -25 (Standard sizes)	-S = Single Row  -D = Double Row	T1M74-L = Contact, Loose  T1M74-R = Contact, Full Reel (15,300 Parts per Reel)	-01 = 26 to 30 AWG  -02 = 20 to 24 AWG	-F = Gold flash on contact  -L = 10 μ" (0.25 μm) Gold on contact

Mates with:  
IPL1, MMTD(T), MMS(T)  
(Does not mate with IPT1)

## SPECIFICATIONS

For complete specifications see [www.samtec.com?MMSD](http://www.samtec.com?MMSD), [www.samtec.com?MMSDT](http://www.samtec.com?MMSDT), [www.samtec.com?MMSS](http://www.samtec.com?MMSS) or [www.samtec.com?MMSST](http://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

\*DuPont™ Teflon® is a registered trademark of the E.I. du Pont de Nemours and Company or its affiliates.

**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 -20C = Color Coded Cable  -22 -24 -24C = Color Coded Cable  -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	-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

PIN	COLOR
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	BLUE
7	VIOLET
8	GRAY
9	WHITE
10	BLACK
ETC	REPEAT