

# Samtec

## miniMATE®

T1M74-L-01-F

MMTD-06-20-F-03.25-D-TUS

IPM1-08-D

(2.54 mm) .100"

MMTD, MMTDT, MMTS, MMTST, IPM1, T1M74-L, T1M74-R SERIES

# DISCRETE WIRE COMPONENTS & TOOLING

Mates with:  
MMSD(T), MMSS(T)

-TXS Mates with:  
IPL1

### SPECIFICATIONS

For complete specifications see [www.samtec.com?MMTD](http://www.samtec.com?MMTD), [www.samtec.com?MMTDT](http://www.samtec.com?MMTDT), [www.samtec.com?MMTS](http://www.samtec.com?MMTS) or [www.samtec.com?MMTST](http://www.samtec.com?MMTST)

**Insulator Material:**

Nylon, White

**Contact Material:**

Phosphor Bronze

**Wire:** 20 to 30 AWG

**Plating:**

Au over 50  $\mu$ " (1.27  $\mu$ m) Ni

**Operating Temp Range:**

-10 °C to +105 °C (20-26 AWG)

-10 °C to +80 °C (28-30 AWG)

-40 °C to +125 °C (\*Teflon®)

**Voltage Rating:** 600 VAC

**RoHS Compliant:** Yes

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

### RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



### TYPE

**MMTD**  
= Double Row  
PVC Cable

**MMTDT**  
= Double Row  
Blue \*Teflon®  
Cable

(20, 24, 28 & 30  
Wire Gauge only)

**MMTS**  
= Single Row  
PVC Cable

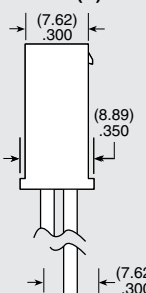
**MMTST**  
= Single Row  
Blue \*Teflon®  
Cable

(20, 24, 28 & 30  
Wire Gauge only)

### PINS PER ROW

-02, -03,  
-04, -05,  
-06, -08,  
-10, -12,  
-15, -16,  
-20, -25  
(Standard sizes)

MMTD(T)



MMTS(T)

**Notes:**  
Teflon® cable is intended for crimp only. Contact Samtec for solderable cable applications.

Some lengths, styles and options are non-standard, non-returnable.

### WIRE GAUGE

-20  
-20C  
= Color  
Coded Cable  
(MMTD &  
MMTS only)

-22

-24

-24C  
= Color  
Coded Cable  
(MMTD &  
MMTS only)

-26

-28

-28C  
= Color  
Coded Cable  
(MMTD &  
MMTS only)

-30

### PLATING OPTION

-F  
= Gold flash  
on contact

-L  
= 10  $\mu$ "  
(0.25  $\mu$ m)  
Gold on  
contact

### ASSEMBLY LENGTH

-“XX.XX”  
= Assembly  
Length in  
Inches  
-S= (76.2 mm)  
03.00" min.  
-D= (82.6 mm)  
03.25" min.

### END OPTION

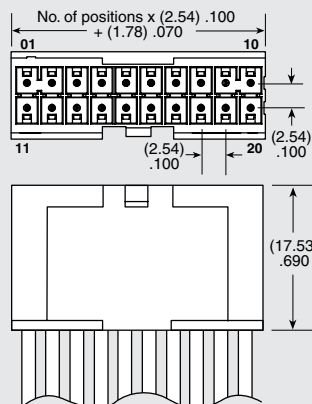
-S  
= Single  
End  
-D  
= Double  
End

### OPTION

(Only available  
with -D)

-TUS  
= Socket  
on End 2,  
latch up

-TDS  
= Socket  
on End 2,  
latch down



### APPLICATION

-20C, -24C, -28C  
CABLE  
COLOR CODING  
(PVC CABLE ONLY)

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

### 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

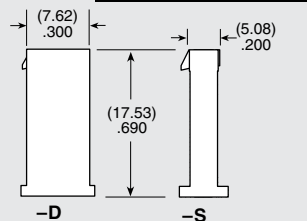
- Hand Tool:  
CAT-HT-174-2030-13
- Mini Applicator (20-24 AWG):  
CAT-MC-174-2024-XX-01
- Mini Applicator (26-30 AWG):  
CAT-MC-174-2630-XX-01
- Extraction Tool:  
CAT-EX-74-01

### TYPE

**IPM1**  
= Body,  
Loose

### POSITIONS PER ROW

-02, -03, -04,  
-05, -06, -08,  
-10, -12, -15,  
-16, -20, -25  
(Standard sizes)



### ROW OPTION

-S  
= Single  
Row

-D  
= Double  
Row

### TYPE

**T1M74-L**  
= Contact,  
Loose

**T1M74-R**  
= Contact,  
Full Reel  
(15,300 Parts  
per Reel)

### WIRE GAUGE

-01  
= 26 to 30 AWG  
-02  
= 20 to 24 AWG

### PLATING OPTION

-F  
= Gold flash  
on contact

-L  
= 10  $\mu$ " (0.25  $\mu$ m)  
Gold on contact

