

Samtec

miniMATE®

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

T1M74-L-01-F

IPM1-08-D

(2.54 mm) .100"

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

WIRE TO BOARD COMPONENTS & TOOLING

Mates with:
MMSD(T), MMSS(T)
-TXS Mates with:
IPL1

SPECIFICATIONS

For complete specifications see
www.samtec.com?MMTD,
www.samtec.com?MMTDT,
www.samtec.com?MMTS or
www.samtec.com?MMTST

Insulator Material:

Nylon, White

Contact Material:

Phosphor Bronze

Wire:

20 to 30 AWG

Plating:

Au over 50 μ" (1.27 μm) Ni

Operating Temp Range:

-10 °C to +80 °C (PVC)

-40 °C to +125 °C

(*Teflon™ Fluoropolymer)

Current Rating:

4.8 A per pin

(2 pins powered)

Voltage Rating:

275 VAC/389 VDC

RoHS Compliant: Yes

*Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Samtec.

RECOGNITIONS

For complete scope of recognitions see
www.samtec.com/quality



FILE NO. ET111594

TYPE	PINS PER ROW	WIRE GAUGE	PLATING OPTION	ASSEMBLY LENGTH	END OPTION	OPTION
MMTD = Double Row PVC Cable	-02, -03, -04, -05, -06, -08, -10, -12, -15, -16, -20, -25 (Standard sizes)	-20 = 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	-F = Gold flash on contact -L = 10 μ" (0.25 μm) Gold on contact	- "XX.XX" = Assembly Length in Inches -S= (76.2 mm) 03.00" min. -D= (82.6 mm) 03.25" min.	-S = Single End -D = Double End	(Only available with -D) -TUS = Socket on End 2, latch up -TDS = Socket on End 2, latch down

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

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

Diagram Dimensions:

MMTD(T): (7.62) .300, (8.89) .350, (7.62) .300, (5.08) .200

MMTST(T): (7.62) .300, (5.08) .200

Diagram showing pin pitch and dimensions: No. of positions x (2.54) .100, (1.78) .070, (2.54) .100, (2.54) .100, (17.53) .690

SPECIFICATIONS

For complete specifications see
www.samtec.com?IPM1,
www.samtec.com?T1M74-L or
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	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

Diagram Dimensions:

IPM1: (7.62) .300, (5.08) .200, (17.53) .690

T1M74-L/R: (19.33) .761, (1.57) .062 DIA, (1.91) .075, (3.17) .125, (3.81) .150

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Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.