

Samtec

miniMATE®

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

T1M74-L-01-F

IPM1-08-D

(2.54 mm) .100"

IPM1, T1M74-L, T1M74-R, MSSD, MSSDT, MMSS, MMSST SERIES

DISCRETE WIRE COMPONENTS & TOOLING

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

IPM1
= Body,
Loose

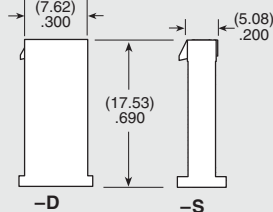
POSITIONS PER ROW

-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

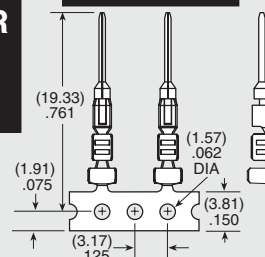
-01
= 26 to 30 AWG

-02
= 20 to 24 AWG

PLATING OPTION

-F
= Gold flash
on contact

-L
= 10 μ" (0.25 μm)
Gold on contact



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

SPECIFICATIONS

For complete specifications see www.samtec.com?MMSD, www.samtec.com?MMSDT, www.samtec.com?MMSS or 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

MMSD
= Double Row
PVC Cable

MMSDT
= Double Row
*Teflon® Cable
(20, 24, 28 &
30 AWG only)

MMSS
= Single Row
PVC Cable

MMSST
= Single Row
*Teflon® Cable
(20, 24, 28 &
30 AWG only)

PINS PER ROW

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

WIRE GAUGE

-20
-20C
= Color
Coded
Cable

-22
-24
-24C
= Color
Coded
Cable

-26
-28
-28C
= Color
Coded
Cable

-30

PLATING OPTION

-L
= 10 μ" (0.25 μm)
Gold on
contact,
Tin on tail

ASSEMBLY LENGTH

- "XX.XX"
= Assembly
Length in Inches
(82.55 mm)
03.25" min.

END OPTION

-S
= Single End

-D
= Double End
(Latch Required)

K

-K
= Keyed
Polarization

LATCH OPTION

(Metal latches for more rugged environments; -02, -05 & -10 positions only)

-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

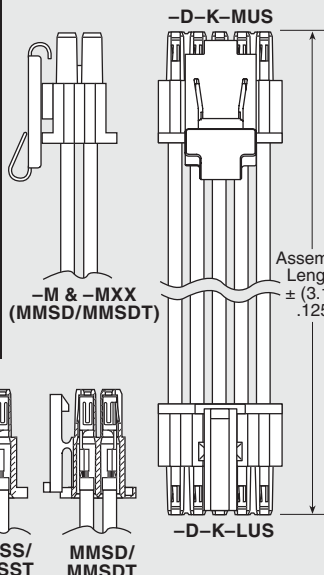
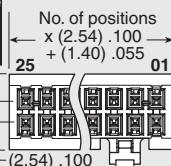
-MUS = Metal Latch up, straight

-MDS = Metal Latch down, straight

-MUX = Metal Latch up, crossed

-MDX = Metal Latch down, crossed

-20C, -24C, -28C	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



Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.