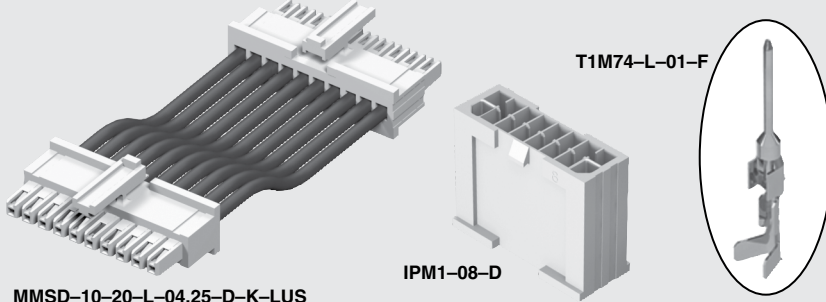




THE VITAL COMPONENT

miniMATE®



(2.54 mm) .100"

IPM1, T1M74-L, T1M74-R, MMSD, MMSDT, MMSS, MMSST SERIES

DISCRETE WIRE COMPONENTS & TOOLING

SPECIFICATIONS

Insulator Material:

Nylon 66

Contact Material:

Phosphor Bronze

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

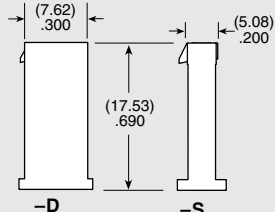
ROW OPTION

IPM1
= Body,
Loose

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

–S
= Single
Row

–D
= Double
Row



TYPE

WIRE GAUGE

PLATING OPTION

T1M74-L
= Contact,
Loose

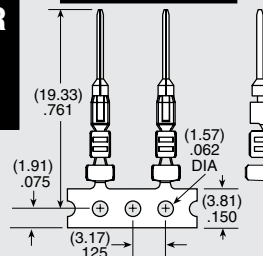
T1M74-R
= Contact,
Full Reel
(15,300 Parts
per Reel)

–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), MMTS(T)
(Does not mate with IPT1)

SPECIFICATIONS

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.

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

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)

–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

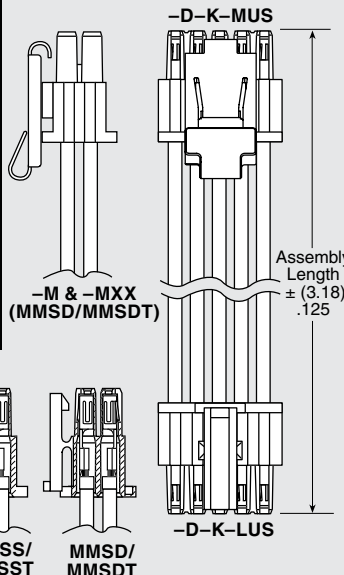
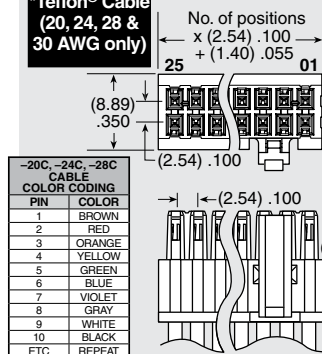
–L
= 10 μ" (0.25 μm)
Gold on
contact,
Tin on tail

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

–S
= Single End

–D
= Double End
(Latch Required)

–K
= Keyed
Polarization



(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 MMSS/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

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

WWW.TOBY.CO.UK

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.