



(2.54 mm) .100"

IPR1, T1M74-L, T1M74-R, MRTD, MRTDT SERIES

# DISCRETE WIRE COMPONENTS & TOOLING

## SPECIFICATIONS

For complete specifications see [www.samtec.com?IPR1](http://www.samtec.com?IPR1), [www.samtec.com?T1M74-L](http://www.samtec.com?T1M74-L) or [www.samtec.com?T1M74-R](http://www.samtec.com?T1M74-R)

## RECOGNITIONS

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



## 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                  | PINS PER ROW  | D                  |
|-----------------------|---|--------------------|
| IPR1<br>= Body, Loose | -02, -03, -04, -05, -06, -08, -10, -12, -15<br>(Standard sizes) | -D<br>= Double Row |

No. of positions x (2.54) .100 + (3.81) .150

Insulator Material: Nylon

| TYPE  | WIRE GAUGE            | PLATING OPTION                          |
|---|-----------------------|---|
| T1M74-L<br>= Contact, Loose                             | -01<br>= 26 to 30 AWG | -F<br>= Gold flash on contact           |
| T1M74-R<br>= Contact, Full Reel (15,300 Parts per Reel) | -02<br>= 20 to 24 AWG | -L<br>= 10 μ" (0.25 μm) Gold on contact |

Contact Material: Phosphor Bronze

Mates with: MMSD(T)

## SPECIFICATIONS

For complete specifications see [www.samtec.com?MRTD](http://www.samtec.com?MRTD) or [www.samtec.com?MRTDT](http://www.samtec.com?MRTDT)

**Insulator Material:** Nylon 66

**Contact Material:** Phosphor Bronze

**Plating:** Au or Sn over 50 μ" (1.27 μm) Ni

**Operating Temp Range:** -40 °C to +105 °C (PVC)

-55 °C to +125 °C (\*Teflon®)

**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.

## RECOGNITIONS

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



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

| TYPE                           | PINS PER ROW  | WIRE GAUGE  | PLATING OPTION                          | ASSEMBLY LENGTH   | PINOUT   |
|--------------------------------|---|---|---|---|--|
| MRTD<br>= Double Row PVC Cable | -02, -03, -04, -05, -06, -08, -10, -12, -15<br>(Standard sizes) | -20<br>-20C*<br>-22<br>-24<br>-24C*<br>-26<br>-28<br>-28C*<br>-30 | -L<br>= 10 μ" (0.25 μm) Gold on contact | - "XX.X"<br>= Assembly Length in Inches<br>Single ended = (76.2 mm) 03.0" min.<br>Double ended = (84.0 mm) 03.3" min. | Leave blank for single ended cable assembly.<br><br>-L1<br>= Plastic Transfer Latch up, straight<br><br>-L4<br>= Plastic Transfer Latch down, straight |

No. of positions x (2.54) .100 + (3.81) .150

MRTD/MRTDT

END 1

END 2

**APPLICATION**

**Note:** Acceptable panel thickness of (0.84 mm) .0329" to (2.28 mm) .0897"

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

[WWW.SAMTEC.COM](http://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.

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