

(2.00 mm) .0787"

**T2M SERIES**

# HIGH-RELIABILITY CABLE HEADER

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?T2M](http://www.samtec.com?T2M)

**Insulator Material:** Black Liquid Crystal Polymer

**Terminal Material:** Phosphor Bronze

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

**Current Rating (T2M/S2SD):** 3.8 A per pin (2 pins powered)

**Voltage Rating:** 250 VAC/350 VDC mated with S2SD

**Operating Temp Range:** -55 °C to +105 °C with Tin; -55 °C to +125 °C with Gold

**ROHS Compliant:** Yes

**Board Mates:** S2M

**Cable Mates:** S2SD, S2SDT



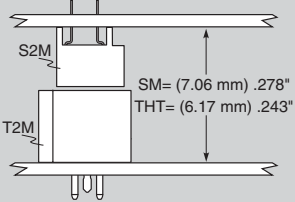
Mates with Tiger Eye™ discrete wire cable assemblies

Up to 30 positions per row

Choice of surface mount, through-hole or right-angle

Optional weld tab

## MATED HEIGHT



## PROCESSING

**Lead-Free Solderable:** Yes

**SMT Lead Coplanarity:** (0.10 mm) .004" max

## RECOGNITIONS

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



FILE NO. E111594

## OTHER SOLUTIONS



See S2SD in the discrete wire section

## ALSO AVAILABLE (MOQ Required)

- Other platings

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

<b>T2M</b>	<b>1</b>	<b>NO. OF POSITIONS</b>	<b>01</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>OPTION</b>	<b>OTHER OPTION</b>
		<b>05, 07, 10, 15, 20, 25, 30 (Per Row)</b>		<b>-L</b> = 10 μm (0.25 μm) Gold on contact, Matte Tin on tail	<b>-TH</b> = Through-hole	<b>-RA</b> = Right-angle	<b>-WT</b> = Weld Tab (S2SD & S2SDT, -SR/-DR required mate)
				<b>-SM</b> = Surface Mount	<b>-DS</b> = Screw Down (N/A with -RA) (mates with -S2M-DS, S2SD/S2SDT -SS/-DS option)		
				<b>-K</b> = (7.50 mm) .295" DIA Polyimide film Pick & Place Pad (-SM only)			<b>-TR</b> = Tape & Reel (-SM only)

**DS:** No. of positions x (2.00) .0787 + (14.38) .566. Dimensions: (0.64) .025 SQ, (3.81) .150, (3.98) .157, (6.00) .236.

**RA-WT:** No. of positions x (2.00) .0787 + (5.67) .223. Dimensions: (1.98) .078, (2.29) .090, (7.44) .293, (1.77) .070, (2.26) .089, (2.00) .0787, (1.52) .060.

**TH-WT:** Dimensions: (2.41) .095, (2.00) .0787, (0.50) .020 SQ, (8.76) .345, (0.64) .025.

**SM-WT:** Dimensions: (6.55) .258, (8.63) .340, (1.64) .065.

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.

# Mouser Electronics

Authorized Distributor

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