



(2,00 mm) .0787"

TSH, TMMS SERIES

# SHROUDED HEADERS

**Mates with:**

CLT, SQT, SQW, ESQT, TLE, SMM, MMS, PTF

**SPECIFICATIONS**

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

**Insulator Material:** Black Liquid Crystal Polymer  
**Terminal Material:** Phosphor Bronze

**Plating:** Sn or Au over 50µ" (1,27 µm) Ni

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

**Processing:**

**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0,15 mm) .006" max

**RECOGNITIONS**

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



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

<b>TSH</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>01</b>	<b>PLATING OPTION</b>	<b>ROW OPTION</b>	<b>OTHER OPTION</b>
		<b>05, 10, 15, 20, 25, 30, 35, 40, 45</b> (40 & 45 = -D & -RA only) (Standard sizes)		<b>-F</b> = Gold flash on post, Matte Tin on tail  <b>-L</b> = 10µ" (0,25 µm) Gold on post, Matte Tin on tail  <b>-T</b> = Matte Tin	<b>-D</b> = Vertical Through-Hole  <b>-DV</b> = Vertical Surface Mount  <b>-RA</b> = Right Angle Through-Hole  <b>-DH</b> = Horizontal Surface Mount	<b>-LC</b> = Locking Clip (-DV only) (N/A with -A) (Manual placement required)  <b>-A</b> = Alignment Pin (-DV only) (N/A with -LC)  <b>-SL</b> = Solder Locks (-DH only)  <b>-K</b> = (4,50 mm) .177" DIA Polyimide Film Pick & Place Pad (N/A with 15 - 30 positions) (-DH only)  <b>-M</b> = Metal Pick & Place Pad (-DV only) (N/A -T plating)  <b>-TR</b> = Tape & Reel

**ALSO AVAILABLE**  
(MOQ Required)

- Other sizes and platings Contact Samtec.

**Mates with:** SQT, SQW, ESQT

**SPECIFICATIONS**

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

**Insulator Material:** Black LCP  
**Terminal Material:** Phosphor Bronze

**Plating:** Sn or Au over 50µ" (1,27 µm) Ni

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

**Lead-Free Solderable:** Yes

**RECOGNITIONS**

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



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

<b>TMMS</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>01</b>	<b>PLATING OPTION</b>	<b>Q</b>	<b>OPTION</b>	<b>FS</b>
		<b>05, 10, 15, 20, 30, 40, 50</b>		<b>-F</b> = Gold flash on post, Matte Tin on tail  <b>-L</b> = 10µ" (0,25 µm) Gold on post, Matte Tin on tail		<b>-RA</b> = Right Angle	