

(2.00 mm) .0787"

# HIGH-RELIABILITY CABLE SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?S2M](http://www.samtec.com?S2M)

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

BeCu

### Plating:

Sn or Au over

50  $\mu$ " (1.27  $\mu$ m) Ni

### Current Rating (S2M/T2SD):

2.6 A per pin

(2 pins powered)

### Operating Temp Range:

-55 °C to +125 °C

### Insertion Depth:

(3.05 mm) .120" to

(3.25 mm) .128"

### Max Cycles:

100 with 10  $\mu$ " (0.25  $\mu$ m) Au

### RoHS Compliant:

Yes

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.10 mm) .004" max

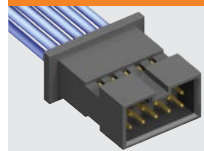
## RECOGNITIONS

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



FILE NO. E111594

## OTHER SOLUTIONS



See [www.samtec.com?T2SD](http://www.samtec.com?T2SD)

## ALSO AVAILABLE (MOQ Required)

- Other platings

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

### Board Mates:

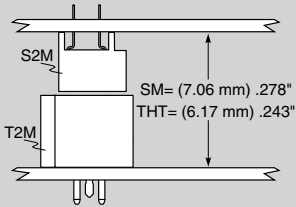
T2M

### Cable Mates:

T2SD



## MATED HEIGHT



Choice of surface mount or through-hole

Up to 30 positions per row

Mates with Tiger Eye™ discrete wire cable assemblies

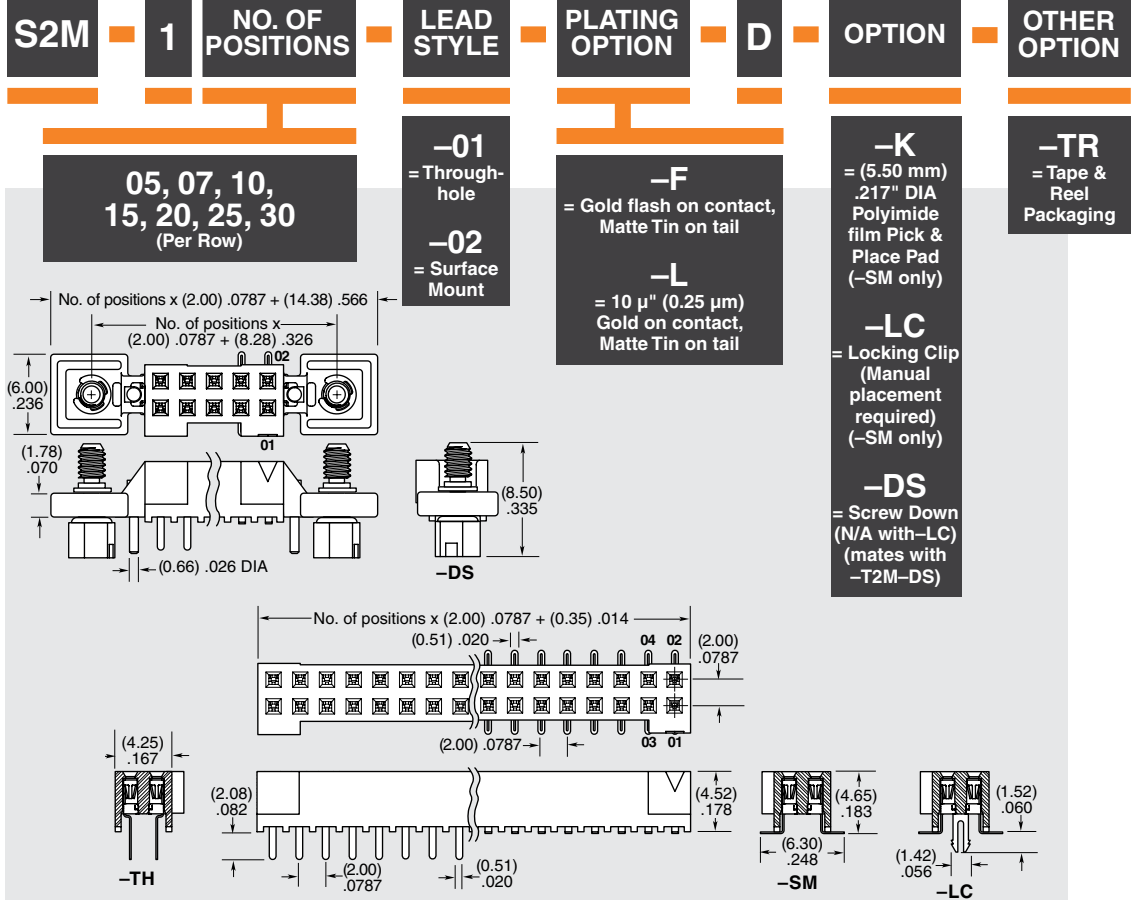
**RUGGEDIZED**  
BY SAMTEC

- Locking clip

## HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

**8**  
G b p s



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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Samtec:

[S2M-115-01-L-D](#) [S2M-107-01-L-D](#) [S2M-125-01-L-D](#) [S2M-110-01-L-D](#) [S2M-105-01-L-D](#) [S2M-120-01-L-D](#) [S2M-125-02-F-D-DS](#) [S2M-120-02-L-D-LC-K-TR](#) [S2M-130-01-F-D](#) [S2M-130-01-L-D](#) [S2M-130-01-S-D](#) [S2M-130-02-F-D-LC](#) [S2M-105-02-F-D-LC](#) [S2M-110-01-F-D](#) [S2M-115-01-S-D](#) [S2M-115-02-F-D-LC](#) [S2M-120-02-L-D-LC](#) [S2M-105-01-F-D](#) [S2M-107-01-S-D](#) [S2M-107-02-F-D](#) [S2M-110-02-F-D-LC-K-TR](#) [S2M-110-02-L-D-K-TR](#) [S2M-110-02-L-D](#) [S2M-110-02-L-D-K](#) [S2M-115-02-S-D-LC](#) [S2M-120-01-F-D](#) [S2M-120-01-S-D](#) [S2M-110-02-L-D-LC](#) [S2M-115-01-F-D](#) [S2M-115-02-L-D-LC-K-TR](#) [S2M-120-02-L-D-K-TR](#) [S2M-125-02-L-D](#) [S2M-125-02-L-D-K-TR](#) [S2M-130-02-L-D](#) [S2M-107-02-F-D-K-TR](#) [S2M-105-01-S-D](#) [S2M-105-02-F-D-K](#) [S2M-110-02-S-D-LC](#) [S2M-105-02-L-D-LC](#) [S2M-107-02-L-D](#) [S2M-110-02-F-D](#) [S2M-115-02-L-D-LC](#) [S2M-115-02-S-D](#) [S2M-120-02-F-D-LC](#) [S2M-125-02-L-D-K](#) [S2M-125-02-L-D-LC](#) [S2M-130-02-S-D](#) [S2M-110-01-S-D](#) [S2M-115-02-L-D](#) [S2M-120-02-S-D](#) [S2M-125-01-S-D](#) [S2M-110-02-F-D-LC](#) [S2M-110-02-S-D-K-TR](#) [S2M-115-02-L-D-K-TR](#) [S2M-130-02-L-D-LC-K](#) [S2M-105-02-F-D-TR](#) [S2M-105-02-L-D](#) [S2M-105-02-L-D-K](#) [S2M-107-02-S-D](#) [S2M-125-01-F-D](#) [S2M-105-02-F-D](#) [S2M-105-02-F-D-K-TR](#) [S2M-105-02-L-D-K-TR](#) [S2M-105-02-S-D](#) [S2M-107-01-F-D](#) [S2M-107-02-F-D-LC](#) [S2M-107-02-L-D-K-TR](#) [S2M-110-02-F-D-K](#) [S2M-105-02-S-D-LC](#) [S2M-107-02-L-D-LC](#) [S2M-110-02-F-D-K-TR](#) [S2M-110-02-S-D](#) [S2M-120-02-L-D-K](#) [S2M-130-02-L-D-LC](#) [S2M-120-02-L-D](#) [S2M-125-02-S-D](#) [S2M-106-02-S-D-DS](#) [S2M-120-01-F-D-DS](#) [S2M-120-01-L-D-DS](#) [S2M-105-02-L-D-LC-TR](#) [S2M-107-02-S-D-DS](#) [S2M-107-01-L-D-DS](#) [S2M-108-01-F-D](#) [S2M-110-02-L-D-TR](#) [S2M-120-02-S-D-LC](#) [S2M-125-01-L-D-DS](#) [S2M-105-02-S-D-LC-K-TR](#) [S2M-105-02-S-D-LC-TR](#) [S2M-106-02-F-D](#) [S2M-116-01-L-D](#) [S2M-104-02-L-D-K-TR](#) [S2M-105-01-L-D-DS](#) [S2M-110-01-L-D-DS](#) [S2M-110-02-L-D-DS](#) [S2M-110-02-L-D-LC-TR](#) [S2M-125-02-L-D-DS](#) [S2M-130-02-L-D-DS](#) [S2M-115-02-L-D-LC-TR](#) [S2M-105-02-S-D-K-TR](#) [S2M-115-01-L-D-DS](#)