

(2,00mm) .0787"

T2M, S2M SERIES



T2M-105-01-L-D-TH-WT

T2M-105-01-L-D-RA-WT

T2M-105-01-L-D-SM-WT

S2M-105-02-F-D

S2M-110-01-L-D

HIGH RELIABILITY HEADER & SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?T2M

Insulator Material:

Black Liquid Crystal Polymer

Terminal Material:

Phosphor Bronze

Plating:

Sn or Au over 50µ" (1,27µm) Ni

Current Rating:

3A @ 80°C ambient

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:

(0,10mm) .004" max



T2M - 1 NO. OF POSITIONS - 01 - PLATING OPTION - D - OPTION - OTHER OPTION

Mates with:
S2SD, S2M

05, 07, 10,
15, 20, 25, 30
(Per Row)

-L
= 10µ" (0,25µm) Gold on contact,
Matte Tin on tail

-TH
= Through-hole

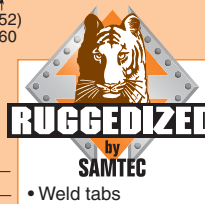
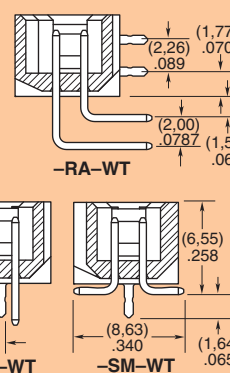
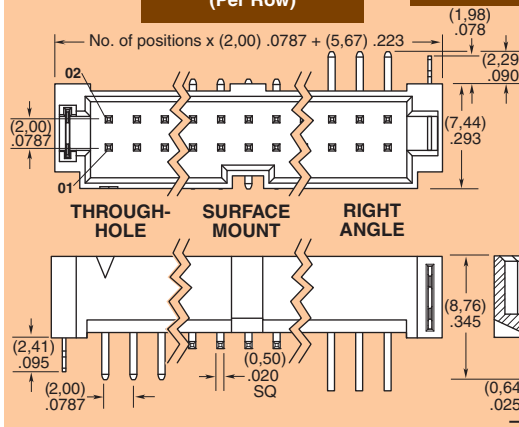
-RA
= Right Angle

-SM
= Surface Mount

-WT
= Weld Tab (S2SD & S2SDT -SR/-DR required mate)

-K
= (7,50mm) .295" DIA Polyimide film Pick & Place Pad (-SM only)

-TR
= Tape & Reel (-SM only)



Note: Other Gold plating options available. Contact Samtec.

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

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?S2M

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

BeCu

Plating:

Sn or Au over 50µ" (1,27µm) Ni

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

10 mΩ max

Insertion Depth:

(3,05mm) .120" to (3,25mm) .128"

Insertion Force:

(Single contact only) 2.0oz (0,56N) average

Withdrawal Force:

(Single contact only) 1.5oz (0,42N) average

Max Cycles:

100 with 10µ" (0,25µm) Au

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10mm) .004" max



Mates with:
T2SD, T2M

05, 07, 10,
15, 20, 25, 30
(Per Row)

-01
= Through-hole

-02
= Surface Mount

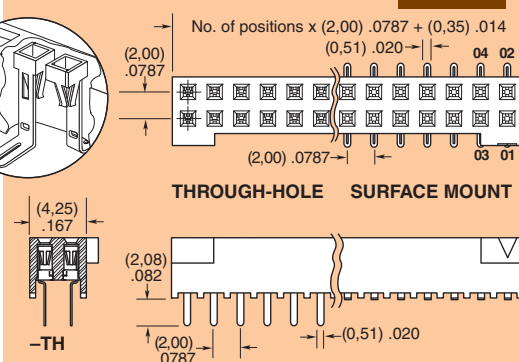
-F
= Gold flash on contact,
Matte Tin on tail

-L
= 10µ" (0,25µm) Gold on contact,
Matte Tin on tail

-K
= (5,50mm) .217" DIA Polyimide film Pick & Place Pad (-SM only)

-LC
= Locking Clip (Manual placement required) (-SM only)

-TR
= Tape & Reel Packaging



Note: Other Gold plating options available. Contact Samtec.

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



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

WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329
SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292
SAMTEC ISRAEL • Tel: 972-3-7526600 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-6083 3766
SAMTEC TAIWAN • Tel: 886-2-2735-6109 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9580 0683