

(2,00 mm) .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" (1,27 µm) Ni

Current Rating:

3A per contact @ 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:

(0,10 mm) .004" max

Note: Other Gold plating options available. Contact Samtec.

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

T2M

1

NO. OF POSITIONS

01

PLATING OPTION

D

OPTION

OTHER OPTION

Mates with:
S2SD, S2M,
S2SDT

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

-L
= 10µ" (0,25 µm) 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)

-DS

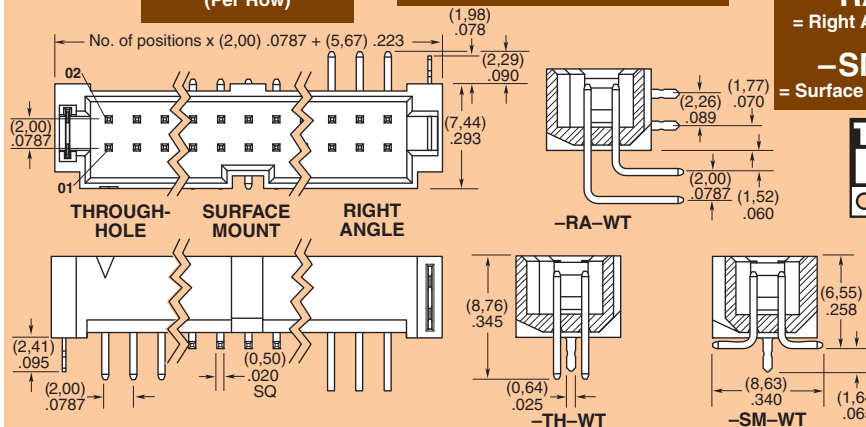
= ScrewDown
(N/A with -RA)
(mates with
-S2M-DS,
S2SD/S2SDT
-SS/-DS option)

-K

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

-TR

= Tape & Reel
(-SM only)



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" (1,27 µm) Ni

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

10 mΩ max

Insertion Depth:

(3,05 mm) .120" to

(3,25 mm) .128"

Insertion Force:

(Single contact only)

2.0 oz (0,56 N) average

Withdrawal Force:

(Single contact only)

1.5 oz (0,42 N) average

Max Cycles:

100 with 10µ" (0,25 µm) Au

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable: Yes

SMT Lead Coplanarity:

(0,10 mm) .004" max

S2M

1

NO. OF POSITIONS

LEAD STYLE

PLATING OPTION

D

OPTION

OTHER OPTION

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" (0,25 µm)
Gold on contact,
Matte Tin on tail

-K

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

-LC

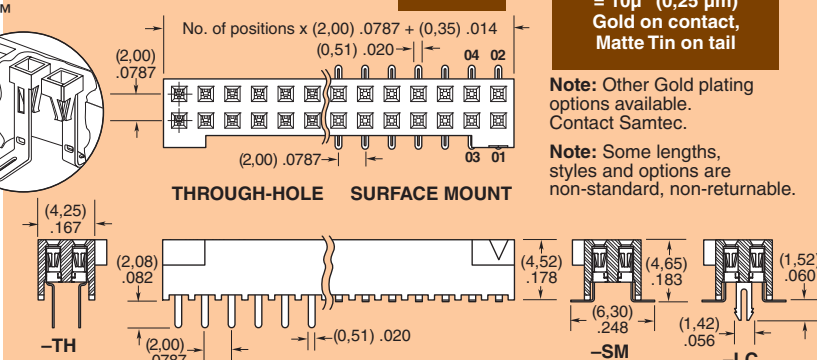
= Locking Clip
(Manual
placement
required)
(-SM only)

-DS

= Screw Down
(N/A with -LC)
(mates with
-T2M-DS)

-TR

= Tape & Reel
Packaging



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

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