

(2,00mm) .0787"

TMMH SERIES



TMMH-125-04-G-DV-EP

TMMH-122-04-T-DV-LC

FLEXIBLE SMT HEADER

SPECIFICATIONS

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

Insulator Material:

Black Liquid Crystal Polymer

Terminal Material:

Phosphor Bronze

Plating:

Sn or Au over 50µ" (1,27µm) Ni

Operating Temp Range:

-55°C to +105°C with Tin;

-55°C to +125°C with Gold

Voltage Rating:

500 VAC mated with SQW

RoHS Compliant:

Yes



CURRENT RATING		
AMBIENT TEMP	Mated with	
	ESQT	SQW
20°C	5.8A	5A
40°C	5.1A	4.6A
60°C	4.5A	4A
95°C	2.9A	2.6A
6 POSITIONS (2x3) POWERED		

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10mm) .004" max

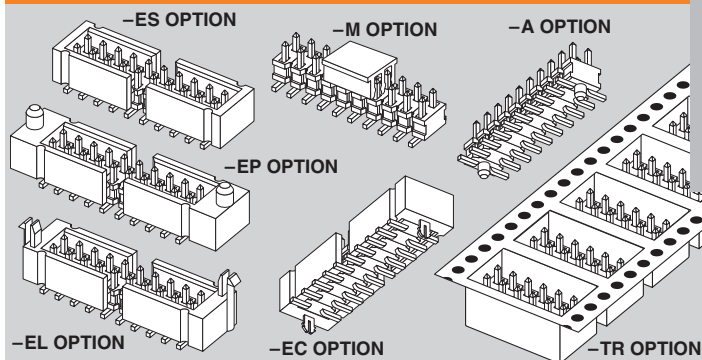
2mm TMMH/CLT	Rated @ 3dB Insertion Loss
4,77mm Stack Height	
Single-Ended Signaling	5.5 GHz / 11 Gbps
Differential Pair Signaling	6.5 GHz / 13 Gbps
Performance data for other stack heights and complete test data available at www.samtec.com?TMMH or contact sig@samtec.com.	

Note: Other Gold plating options available. Contact Samtec.

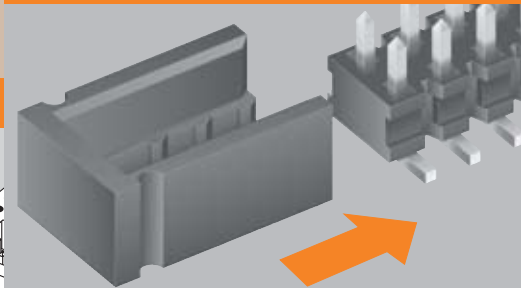
Note: Some lengths, styles and options are non-standard, non-returnable.

Mates with:
CLT, SQT, SQW, ESQT,
TLE, SMM, MMS, TCSD

OPTIONS



FLEX SHROUD



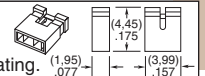
ALSO AVAILABLE

Through-Hole



2mm Shunt

Specify 2SN-BK-G for 2mm shunt with Gold plating.



TMMH

1

NO. PINS PER ROW

LEAD STYLE

PLATING OPTION

03 thru 50

Specify
LEAD STYLE
from chart

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

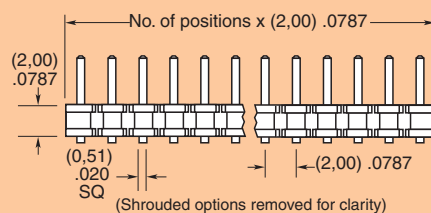
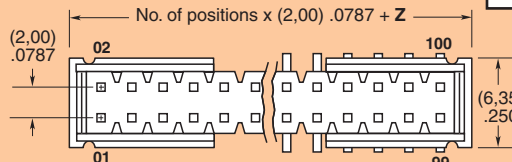
-L
= 10µ" (0,25µm)
Gold on post,
Matte Tin on tail

-G
= 20µ" (0,51µm)
Gold on post,
Gold flash on tail

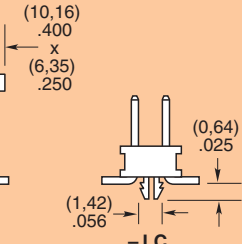
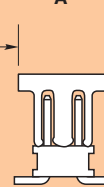
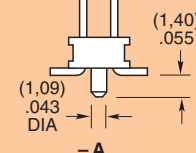
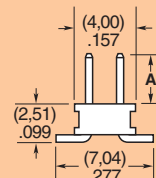
-T
= Matte Tin

OPTION	Z
-ES	(2,92) .115
-EC	(4,70) .185
-EP & -EPC	(6,10) .240
-EL & -EBC	(4,45) .175

LEAD STYLE	A	MATES WITH
-01	(3,20) .126	SQT, SQW, ESQT, TLE, SMM, MMS, TCSD
-04	(1,91) .075	CLT
-05	(1,65) .065	



(Shrouded options removed for clarity)



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

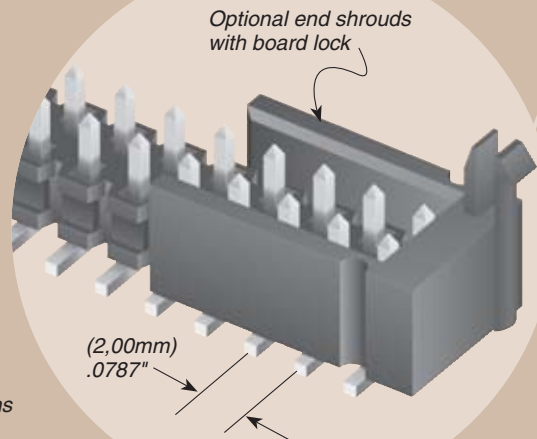
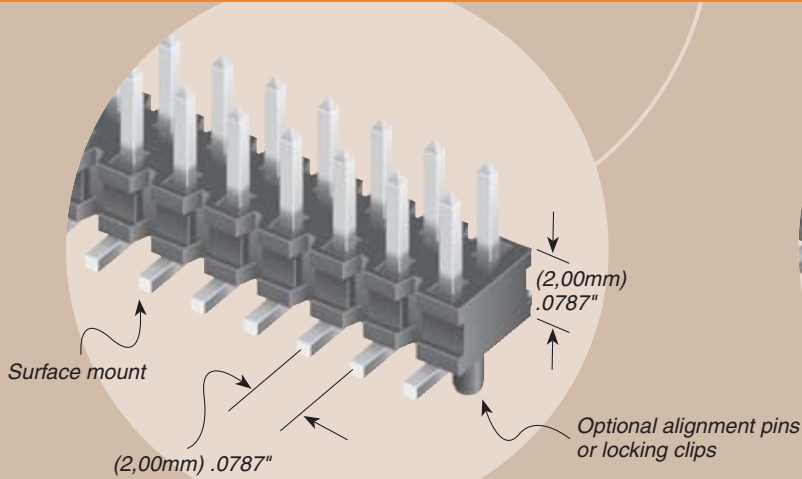
TMMH-116-04-G-DV-EL

TMMH-110-01-T-DV-A

TMMH-125-01-L-DV

TMMH-120-04-T-DV

TMMH-110-04-G-DV



DV

FLEX SHROUD OPTIONS

OTHER OPTIONS

All Flex Shroud options require 9 pins/row minimum
(For board-to-board interfaces. Will not mate with TCSD)

-ES

= End Shroud
(For best cost also see TSH Series)

-EC

= End Shroud with Locking Clip
(For best cost also see TSH Series)
(Manual placement required)

-EP

= End Shroud with Guide Post

-EL

= End Shroud with Board Lock
(Boards are positively locked and cannot be unmated)

-EBC

= End Shroud with Board Lock and Locking Clip
(Boards are positively locked and cannot be unmated)

-EPC

= End Shroud with Guide Post and Locking Clip
(Manual placement required)

-“XXX”

= Polarized Position. Specify position of omitted pin

-A

= Alignment Pin
(3 positions minimum)
(N/A with -LC)

-LC

= Locking Clip
(5 positions minimum)
(N/A with -A)
(Manual placement required)

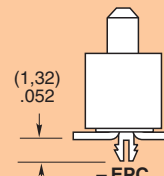
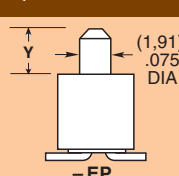
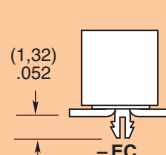
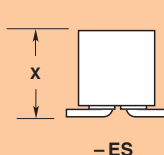
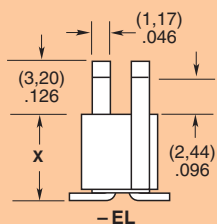
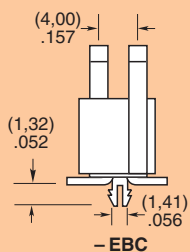
-M

= Pick & Place Pad
(5 positions minimum)
(N/A with -T plating)

-TR

= Tape & Reel Packaging
(Flex Shroud options not available
except -ES, -EP & -EL)

LEAD STYLE	X	Y
-01	(5,84) .230	(4,45) .175
-04 & -05	(4,50) .177	(3,02) .119



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: 1-800-726-9329
 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

TAPE & REEL AVAILABILITY

No tooling charges.
Minimum order is the lesser of
a full reel quantity or 125 pieces.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.

Call Samtec for specifications
and ordering information.