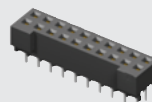




S2M-105-01-L-D-DS



S2M-110-01-L-D

S2M SERIES

HIGH RELIABILITY CABLE SOCKET

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

UL
FILE NO. E111594

See T2SD in the discrete wire section or contact Samtec.

- Other platings

Contact Samtec.

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

Mates with:
T2SD, T2M



Technical drawing of a 2x2 metal plate joint. The drawing shows two horizontal plates, each 2 mm thick (T2M), and two vertical plates, each 2 mm thick (S2M). The vertical plates are positioned such that the distance between the inner faces of the horizontal plates is SM = (7,06 mm) .278. The distance between the inner faces of the vertical plates is TH = (6,17 mm) .243.

Choice of Surface Mount or Through-hole

Up to 30
positions per row

Mates with
Tiger Eye™ discrete
wire cable assemblies



S21

1

NO. OF
POSITION

LEAD STYLE

PLATING OPTION

D

OPTION

OTHER OPTION

**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

Technical drawing of the DS-100 connector showing top, side, and detail views with dimensions.

Top View Dimensions:

- Overall width: $\text{No. of positions} \times (2.00) .0787 + (14.38) .566$
- Overall height: $(6.00) .236$
- Pin pitch: $\text{No. of positions} \times (2.00) .0787 + (8.28) .326$
- Pin 01 and Pin 02 are indicated.

Side View Dimensions:

- Overall height: $(1.78) .070$
- Pin diameter: $(0.66) .026 \text{ DIA}$

Detail View Dimensions:

- Overall height: $(8.50) .335$
- Label: **-DS**

No. of positions x (2,00) .0787 + (0,35) .014

(0,51) .020

04 02 (2,00) .0787

03 01

(2,00) .0787

Technical drawing of a cross-section of a mechanical part, showing dimensions (6,30) and (4,65) with decimal equivalents .248 and .183 respectively.



WWW.SAMTEC.COM

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