

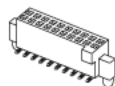
samtec



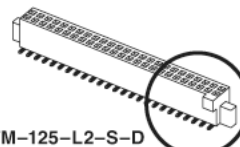
Surface
SMT
Mount

.050" x .050" SOCKETS SFM SERIES

SFM-110-02-S-D-A



SFM-125-L2-S-D



SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com/SFM

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

Tiger Eye= BeCu

Tiger Eye LITE= Phosphor Bronze

Plating:

Au over 50µ" (1,27µm) Ni

Current Rating:

2A @ 80°C ambient

Voltage Rating:

350 VAC mated with TFM

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

15 mΩ max

Insertion Depth:

(3,05mm) .120" to

(4,06mm) .160"

Insertion Force:

(Single contact only)

Standard= 2.5oz (0,69N) avg;

LITE= 2.0oz (0,56N) avg;

LIF= 1.5oz (0,42N) avg;

Normal Force:

Standard= 132g (1,29N) avg;

LIF= 90g (0,88N) avg;

Withdrawal Force:

(Single contact only)

Standard= 2.0oz (0,56N) avg;

LITE= 1.5oz (0,42N) avg;

LIF= 1.5oz (0,42N) avg;

Max Cycles:

Tiger Eye= 100 with 10µ" (0,25µm) Au

RoHS Compliant:

Yes

Processing:

Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

.004" (0,10mm) max (05-25)

.006" (0,15mm) max (30-50)

Mates with:

TFM, FTS (LIF), FW (LIF),

FTSH (LIF)



TIGER EYE CONTACT

High reliability
Tiger-Eye contacts

Available with optional
pick-and-place pads

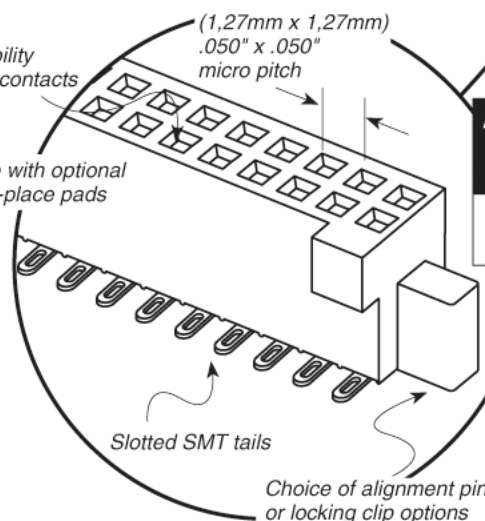
APPLICATIONS



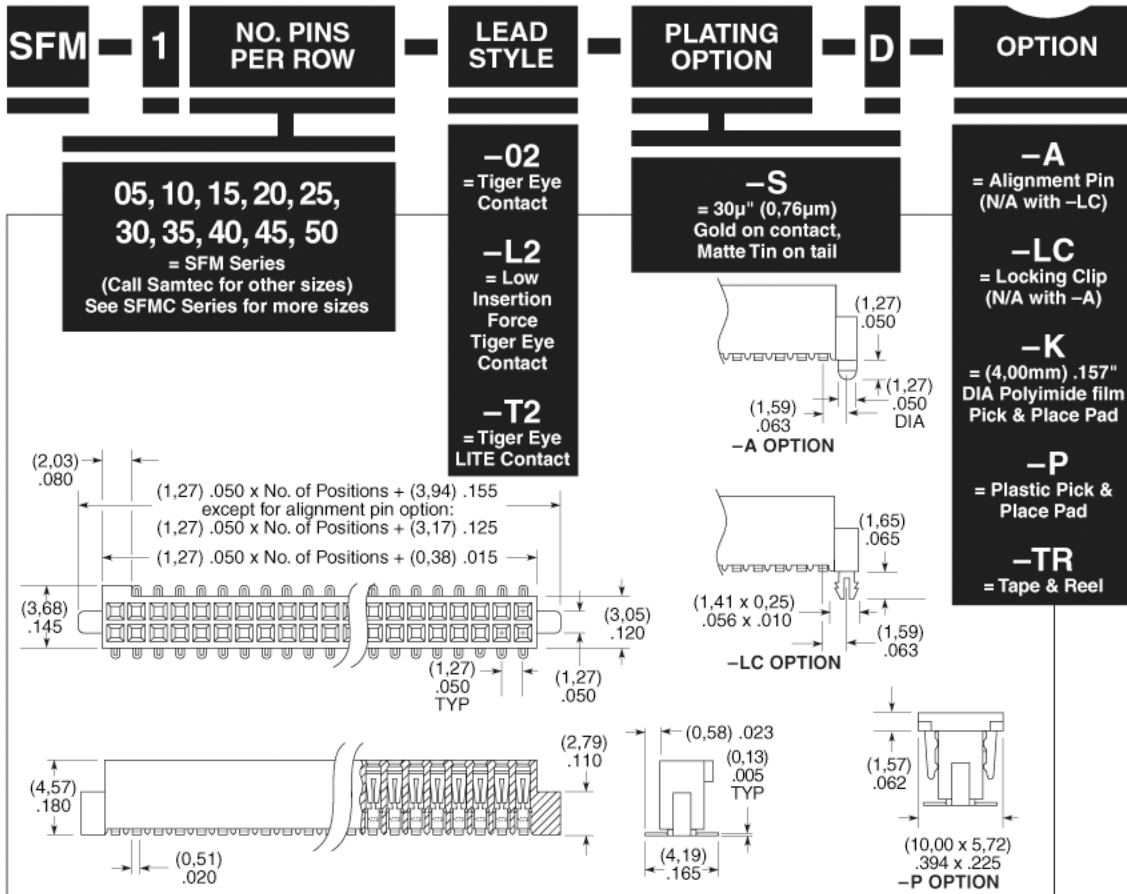
Lower cost Phosphor Bronze contact for applications where Beryllium Copper is not needed.

APPLICATION SPECIFIC OPTION

Single row available.
Call Samtec.



COST SAVING SOLUTIONS
FLEX MOLD



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

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

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