



(1,27 mm) .050"

RSM SERIES



RSM-117-02-L-D



RSM-109-02-L-D

RSM-130-02-L-D



# SMT MICRO SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?RSM](http://www.samtec.com?RSM)

**Insulator Material:**  
Black Liquid  
Crystal Polymer

**Contact Material:**  
Phosphor Bronze

**Plating:**  
Au or Sn over  
50µ" (1,27 µm) Ni



**Current Rating:**  
1A per contact

**Operating Temp Range:**  
-55°C to +125°C

**Contact Resistance:**  
10 mΩ

**Lead Size Accepted:**  
(0,46 mm) .018" SQ

**Insertion Depth:**  
Top Entry = (2,64 mm) .104"  
to (5,84 mm) .230" with  
(0,38 mm) .015" wipe, or  
pass-through.

Bottom Entry = (5,49 mm)  
.216" minimum  
(Add board thickness for  
correct post OAL)

**Insertion Force:**  
(Single contact only)  
3.5 oz (0,97 N) avg.

**Withdrawal Force:**  
(Single contact only)  
1.5 oz (0,42 N) avg.

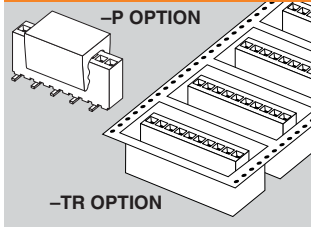
**RoHS Compliant:**  
Yes

**Processing:**  
Lead-Free Solderable:  
Yes

**SMT Lead Coplanarity:**  
(0,10 mm) .004" max

**Mates with:**  
FTR, HTMS, HDWM,  
DWM, TML, ZML, TMS

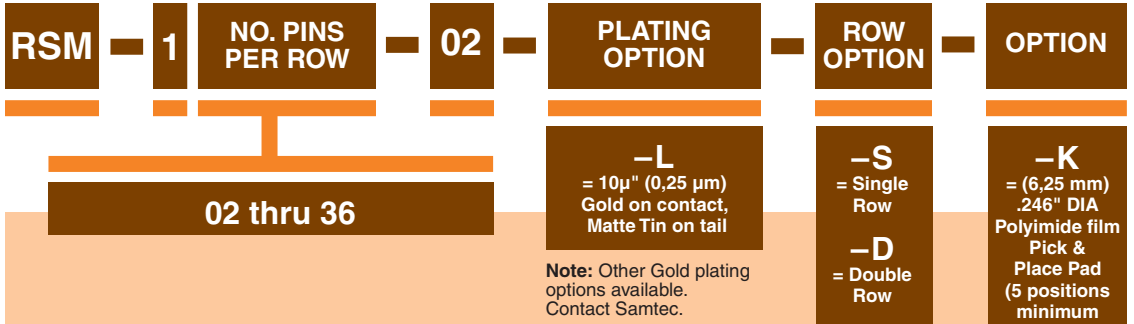
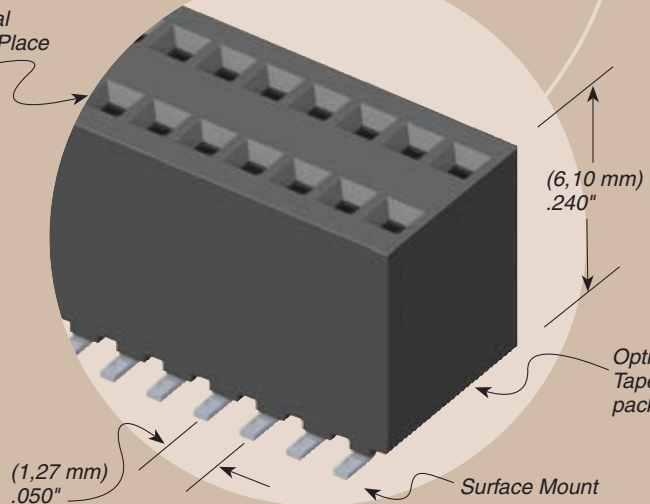
## OPTIONS



## APPLICATION SPECIFIC OPTION

Locking clips available.  
Call Samtec.

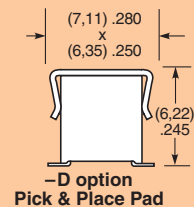
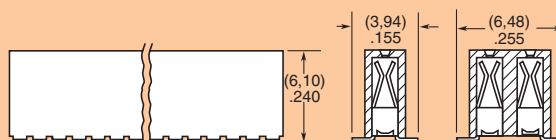
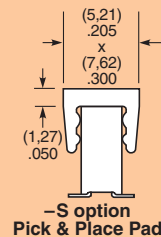
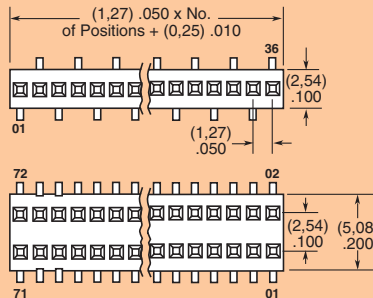
Optional  
Pick & Place  
Pad



**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.



**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.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)