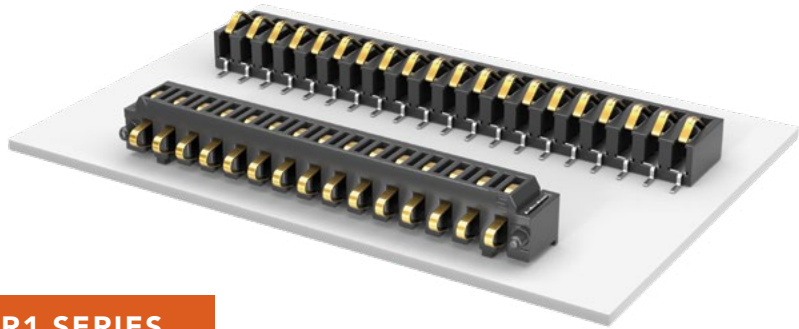




**THE DATASHEET OF  
SIR1-03-L-S**



# ONE-PIECE INTERFACES



(2.54 mm) .100" PITCH • SIB/SIR1 SERIES

## SPECIFICATIONS

**Insulator Material:**  
Black Liquid Crystal Polymer  
**Contact Material:**  
Phosphor Bronze  
**Plating:**  
Au or Sn over  
50  $\mu$ " (1.27  $\mu$ m) Ni  
**Current Rating:**  
2.6 A per pin  
(1 pin powered)  
**Operating Temp Range:**  
-55 °C to +125 °C

SIB	-	1	-	NO. OF POSITIONS	-	02	-	PLATING OPTION	-	S	-	OPTION
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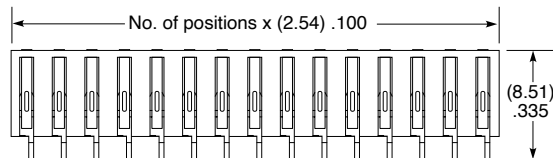
02 thru 30  
(Per Row)

**-F**  
= Gold flash  
on contact,  
Matte Tin on tail

**-LC**  
= Locking  
Clip  
(Manual  
placement  
required)

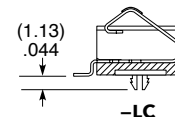
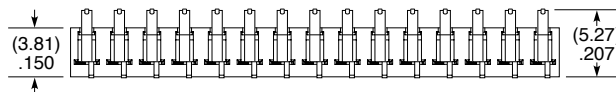
## PROCESSING

**Lead-Free Solderable:**  
Yes  
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max (02-19)  
(0.15 mm) .005" max (20-30)\*  
\*(.004" stencil solution  
may be available; contact  
ipg@samtec.com)



**Notes:**  
The SIB Series  
is intended for vertical  
mating only.

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



## SPECIFICATIONS

**Insulator Material:**  
Black LCP  
**Contact Material:**  
Phosphor Bronze  
**Weld Tab:**  
Phosphor Bronze  
**Plating:**  
Au or Sn over  
50  $\mu$ " (1.27  $\mu$ m) Ni  
**Current Rating:**  
2.8 A per pin  
(1 pin powered)

SIR1	-	NO. OF POSITIONS	-	PLATING OPTION	-	S	-	OPTION
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-03, -05, -10, -15  
(Per Row)

**-L**  
= 10  $\mu$ " (0.25  $\mu$ m)  
Gold on contact,  
Matte Tin on tail

**-S**  
= 30  $\mu$ " (0.76  $\mu$ m)  
Gold on contact,  
Matte Tin on tail

**-A**  
= Alignment Pin

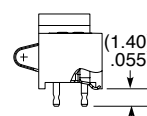
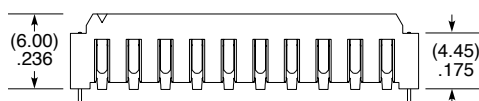
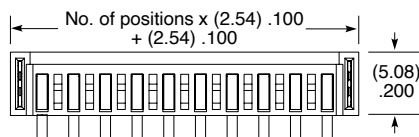
**-K**  
= (4.00 mm) .157"  
DIA Polyimide  
Film Pick &  
Place Pad

**-TR**  
= Tape & Reel

**-FR**  
= Full Reel  
Tape & Reel  
(must order max.  
quantity per reel;  
contact Samtec for  
quantity breaks)

## PROCESSING

**Lead-Free Solderable:**  
Yes  
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max



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

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View SIR1-03-L-S on WIN SOURCE](#)

 [Samtec Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management