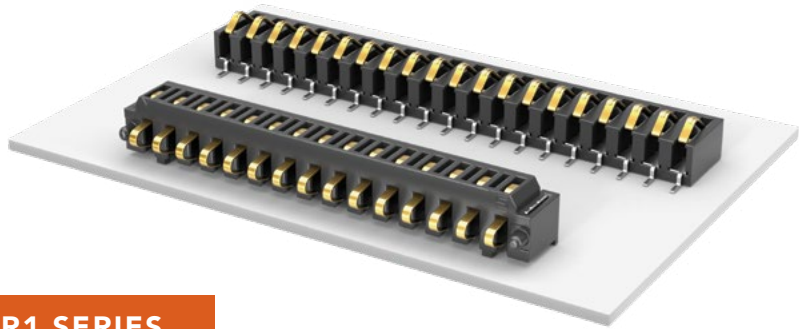


# ONE-PIECE INTERFACES



(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 μ" (1.27 μm) Ni  
**Current Rating:**  
2.6 A per pin  
(1 pin powered)  
**Operating Temp Range:**  
-55 °C to +125 °C

<b>SIB</b>	-	<b>1</b>	<b>NO. OF POSITIONS</b>	-	<b>02</b>	<b>PLATING OPTION</b>	-	<b>S</b>	<b>OPTION</b>
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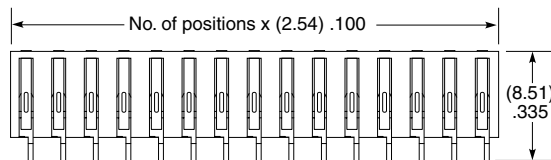
**02 thru 30**  
(Per Row)

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

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

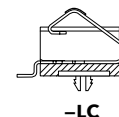
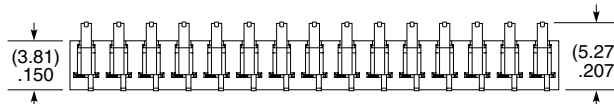
## PROCESSING

**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 μ" (1.27 μm) Ni  
**Current Rating:**  
2.8 A per pin  
(1 pin powered)

<b>SIR1</b>	-	<b>NO. OF POSITIONS</b>	-	<b>PLATING OPTION</b>	-	<b>S</b>	<b>OPTION</b>
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**-03, -05, -10, -15**  
(Per Row)

**-L**  
= 10 μ" (0.25 μm)  
Gold on contact,  
Matte Tin on tail

**-S**  
= 30 μ" (0.76 μm)  
Gold on contact,  
Matte Tin on tail

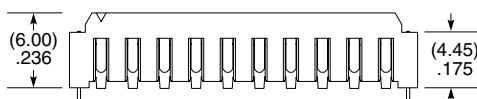
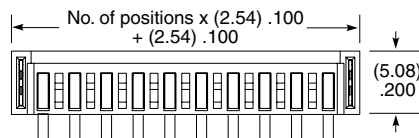
**-A**  
= Alignment Pin  
**-K**  
= (4.00 mm) .157" DIA Polyimide Film Pick & Place Pad

**-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.

[samtec.com?SIB](http://samtec.com?SIB) or [samtec.com?SIR1](http://samtec.com?SIR1)

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