



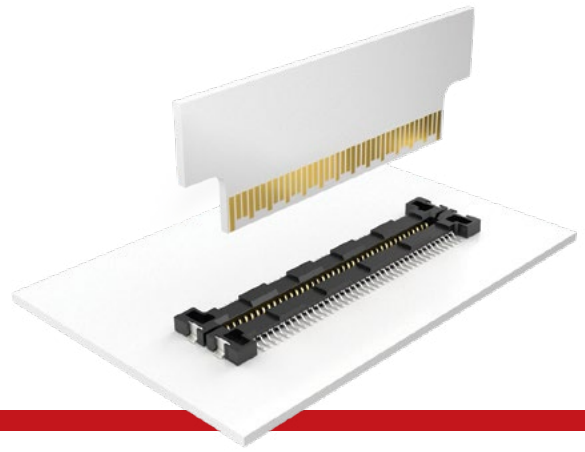
**THE DATASHEET OF  
SAL1-140-01-S-S-A-K-TR**



# HIGH-SPEED THROUGH BOARD SOCKET

(1.00 mm) .0394" PITCH • SAL1 SERIES

14  
Gbps



## SAL1

### Card Mates:

(1.60 mm) .062" or  
(2.36 mm) .093" card

### SPECIFICATIONS

#### Insulator Material:

Black LCP

#### Contact Material:

BeCu

#### Plating:

Au or Sn over 50 μ" (1.27 μm) Ni

#### Operating Temp Range:

-55 °C to +125 °C

#### Current Rating:

2.9 A per pin  
(2 adjacent pins powered)

### PROCESSING

#### Lead-Free Solderable:

Yes

#### SMT Lead Coplanarity:

(0.10 mm) .004" max

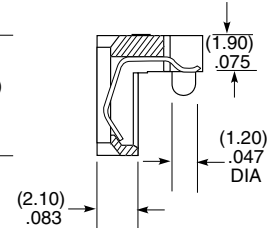
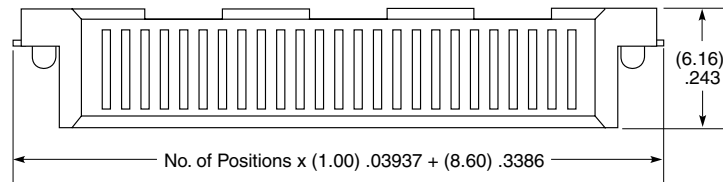
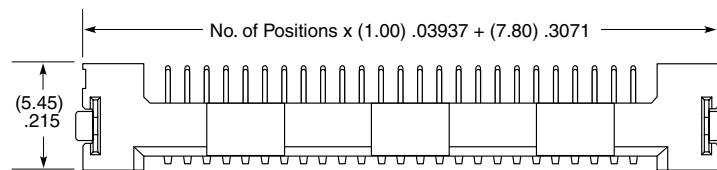


-20, -27,  
-30, -40

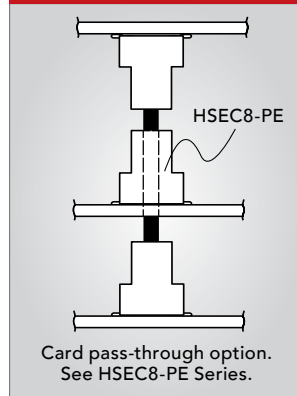
-S  
= 30 μ"  
(0.76 μm) Gold  
on contact,  
Matte tin on tail

-TR  
= Tape & Reel

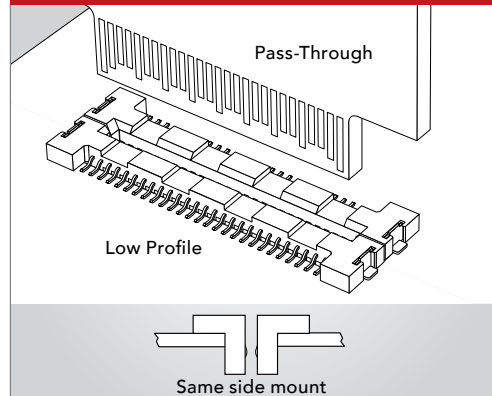
-FR  
= Full Reel  
Tape & Reel  
(must order  
maximum  
quantity per  
reel; contact  
Samtec for  
quantity breaks)



### OTHER SOLUTION



### APPLICATIONS



### Notes:

While optimized for 50 Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75 Ω applications..

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

View complete specifications at: [samtec.com?SAL1](http://samtec.com?SAL1)

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

Click below to explore more details on WIN SOURCE:

- ⊖ [View SAL1-140-01-S-S-A-K-TR 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