### ULTRA-FINE PITCH SOCKET & HEADER

**SS4, ST4 SERIES**

**SS4 Mates with:**
- ST4
- SS4

**ST4 Mates with:**
- SS4

#### SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com/SS4 or www.samtec.com/ST4

**Insulator Material:**
Black LCP
**Contact Material:**
Phosphor Bronze

**Plating:**
Au or Sn over 50 µ" (1.27 µm) Ni

**Current Rating:**
1.6 A per pin (2 pins powered)

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

**RoHS Compliant:** Yes

**PROCESSING**

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

#### RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

#### MATED HEIGHT

<table>
<thead>
<tr>
<th>MATED HEIGHT*</th>
<th>SS4 LEAD STYLE</th>
<th>ST4 LEAD STYLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1.00</td>
<td>(4.00) .157</td>
<td>(4.00) .157</td>
</tr>
<tr>
<td>-1.50</td>
<td>(4.50) .177</td>
<td>(5.00) .177</td>
</tr>
<tr>
<td>-2.50</td>
<td>(5.50) .217</td>
<td>(6.00) .236</td>
</tr>
</tbody>
</table>

*Processing conditions will affect mated height.

#### POWER/SIGNAL APPLICATION

Compatible with UMPT/UMPS for flexible two-piece power/signal solutions

#### HIGH-SPEED CHANNEL PERFORMANCE

**SS4/ST4 @ 4 mm Mated Stack Height**

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

**28 Gbps**

#### F-219

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

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