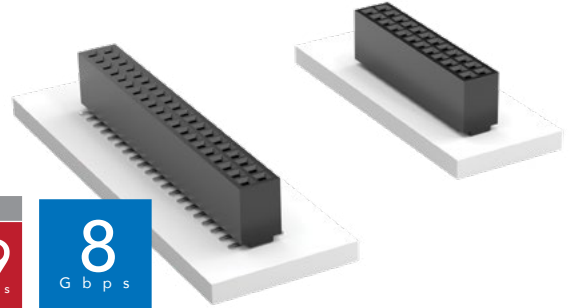




# FLEXIBLE PIN COUNT TIGER EYE™ SOCKET



MAX  
**2.9**  
A m p s

**8**  
G b p s

**(1.27 mm) .050" PITCH • A-SFMC SERIES**

**A-SFMC**  
Board Mates:  
A-TFM



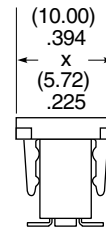
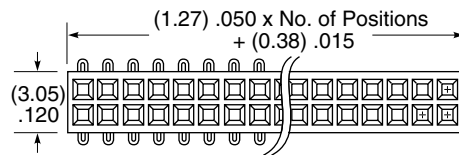
| A-SFMC | 1 | NO. PINS PER ROW | LEAD STYLE   | PLATING OPTION   | D | OPTIONS  |
|--------|---|------------------|--|--|---|--|
|        |   | 02 thru 50       | -01, -03<br>= Through-hole<br>-02<br>= Surface Mount | -L<br>= 10 μ" (0.25 μm)<br>Gold on contact,<br>Matte Tin on tail |   | -K<br>= (4.00 mm) .157"<br>DIA Polyimide film<br>Pick & Place Pad<br>(4 positions min.)<br><br>-P<br>= Plastic Pick<br>& Place Pad<br>(5 positions min.)<br><br>-TR<br>= Tape & Reel |

## SPECIFICATIONS

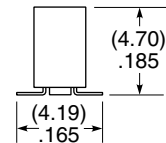
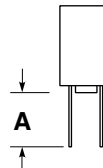
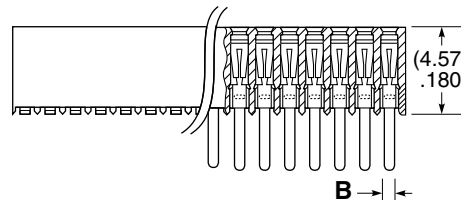
**Insulator Material:**  
Black Liquid Crystal Polymer  
**Contact Material:**  
BeCu  
**Plating:**  
Au or Sn over  
50 μ" (1.27 μm) Ni  
**Current Rating:**  
2.9 A per pin  
(2 pins powered)  
**Voltage Rating:**  
220 VAC/310 VDC  
**Operating Temp Range:**  
-55 °C to +125 °C  
**Insertion Depth:**  
(3.05 mm) .120" to  
(4.06 mm) .160"  
**Normal Force:**  
Standard= 132 g (1.29 N) avg.  
**Max Cycles:**  
10,000 with 30 μ" (0.76 μm) Au

## PROCESSING

**Lead-Free Solderable:**  
Yes  
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max (02-26)  
(0.15 mm) .006" max (27-50)\*  
\*(.004" stencil solution  
may be available; contact  
ipg@samtec.com)



-P OPTION



## ALSO AVAILABLE

Other plating  
(MOQ Required)

| LEAD STYLE | A           | B           |
|------------|-------------|-------------|
| -01        | (3.05) .120 | (0.51) .020 |
| -03        | (1.91) .075 | (0.41) .016 |

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

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