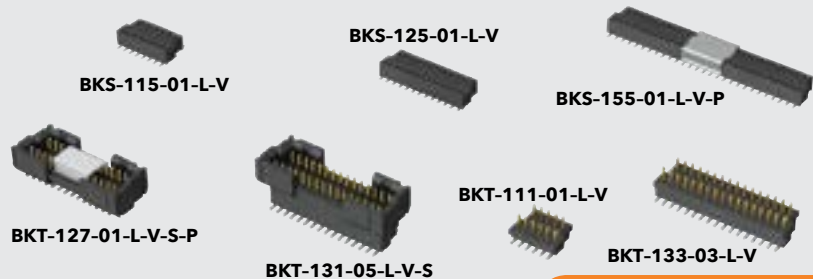


(1.00 mm) .0394"

**BKT, BKS SERIES**

# POLARIZED MICRO HEADER & SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?BKT](http://www.samtec.com?BKT) or [www.samtec.com?BKS](http://www.samtec.com?BKS)

**Insulator Material:**  
Liquid Crystal Polymer

**Terminal Material:**  
Phosphor Bronze

**Plating:**

Au or Sn over  
50  $\mu$ " (1.27  $\mu$ m) Ni

**Current Rating:**

2.8 A per pin

(2 pins powered)

**Operating Temp Range:**

-55 °C to +125 °C

**Insertion Depth:**

(1.40 mm) .055" minimum

**Normal Force:**

40 grams (0.39 N) average

**Max Cycles:**

100 with 10  $\mu$ " (0.25  $\mu$ m) Au

**RoHS Compliant:**

Yes

## PROCESSING

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**

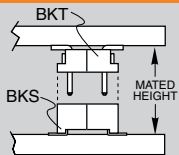
(0.10 mm) .004" max

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## APPLICATIONS



| BKT LEAD STYLE | MATED HEIGHT* |
|----------------|---------------|
| -01            | (4.14) .163   |
| -02            | (4.50) .177   |
| -03            | (5.00) .197   |
| -04            | (6.00) .236   |
| -05            | (7.00) .276   |

\*Processing conditions will affect mated height.

**TIGER CLAW**  
CONTACT

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

|            |          |                                             |                                      |                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                   |                |
|------------|----------|---------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>BKT</b> | <b>1</b> | <b>NO. OF POSITIONS</b>                     | <b>BODY STYLE</b>                    | <b>PLATING OPTION</b>                                                                                                                | <b>V</b>                                                                                                                                                                                                                                                                                                                                                                          | <b>OPTIONS</b> |
|            |          | <b>07 thru 69</b><br>(Odd lead counts only) | <b>Specify BODY STYLE from chart</b> | <b>-F</b><br>= Gold flash on post, Matte Tin on tail<br><br><b>-L</b><br>= 10 $\mu$ " (0.25 $\mu$ m) Gold on post, Matte Tin on tail | <b>-S</b><br>= Shrouded (15 positions minimum)<br><br><b>-A</b><br>= Alignment Pin (Metal or plastic at Samtec discretion) (13 positions minimum)<br><br><b>-P</b><br>= Pick & Place Pad (13 positions minimum)<br><br><b>-TR</b><br>= Tape & Reel Packaging<br><br><b>-FR</b><br>= Full Reel Tape & Reel (must order max. quantity per reel; Contact Samtec for quantity breaks) |                |

**-A OPTION**

**-P OPTION**

**-S OPTION**

| BODY STYLE | A           | B           | BOARD SPACE (Mated with BKS) |
|------------|-------------|-------------|------------------------------|
| -01        | (1.93) .076 | (3.91) .154 | (4.14) .163                  |
| -02        | (2.29) .090 | (4.27) .168 | (4.50) .177                  |
| -03        | (2.79) .110 | (4.78) .188 | (5.00) .197                  |
| -04        | (3.78) .149 | (5.77) .227 | (6.00) .236                  |
| -05        | (4.80) .189 | (6.78) .267 | (7.00) .276                  |

|            |          |                                                             |           |                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                  |                |
|------------|----------|-------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>BKS</b> | <b>1</b> | <b>NO. OF POSITIONS</b>                                     | <b>01</b> | <b>PLATING OPTION</b>                                                                                                                                       | <b>V</b>                                                                                                                                                                                                                                                                                                                                                         | <b>OPTIONS</b> |
|            |          | <b>07 thru 69</b><br>(07 positions available with -TR only) |           | <b>-F</b><br>=Pre-plated Gold flash on contact, Matte Tin on tail<br><br><b>-L</b><br>=Pre-plated 10 $\mu$ " (0.25 $\mu$ m) Gold contact, Matte Tin on tail | <b>-A</b><br>=Alignment Pin (Metal or plastic at Samtec discretion) (11 positions minimum)<br><br><b>-P</b><br>=Pick & Place Pad (13 positions minimum) Not always necessary for auto placement.<br><br><b>-TR</b><br>=Tape & Reel Packaging<br><br><b>-FR</b><br>=Full Reel Tape & Reel (must order max. quantity per reel; Contact Samtec for quantity breaks) |                |

**-P OPTION**

**-A OPTION**