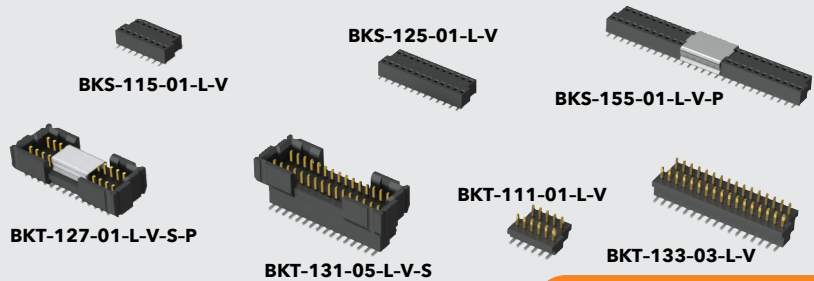


(1.00 mm) .0394"



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:**

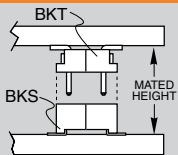
(0.10 mm) .004" max

## 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.

**BKT**

**1**

**NO. OF POSITIONS**

**BODY STYLE**

**PLATING OPTION**

**V**

**OPTIONS**

**Mates with:**  
BKS

**07 thru 69**  
(Odd lead counts only)

**Specify BODY STYLE from chart**

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

**-L**  
= 10  $\mu$ " (0.25  $\mu$ m) Gold on post, Matte Tin on tail

**-S**  
= Shrouded (15 positions minimum)

**-A**  
= Alignment Pin (Metal or plastic at Samtec discretion) (13 positions minimum)

**-P**  
= Pick & Place Pad (13 positions minimum)

**-TR**  
= Tape & Reel Packaging

**-FR**  
= 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                  |

**BKS**

**1**

**NO. OF POSITIONS**

**01**

**PLATING OPTION**

**V**

**OPTIONS**

**Mates with:**  
BKT

**07 thru 69**  
(Odd lead counts only)  
(07 positions available with -TR only)

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

**-L**  
=Pre-plated 10  $\mu$ " (0.25  $\mu$ m) Gold contact, Matte Tin on tail

**-A**  
=Alignment Pin (Metal or plastic at Samtec discretion) (11 positions minimum)

**-P**  
=Pick & Place Pad (13 positions minimum)  
Not always necessary for auto placement.

**-TR**  
=Tape & Reel Packaging

**-FR**  
=Full Reel Tape & Reel (must order max. quantity per reel; Contact Samtec for quantity breaks)

**-P OPTION**

**-A OPTION**