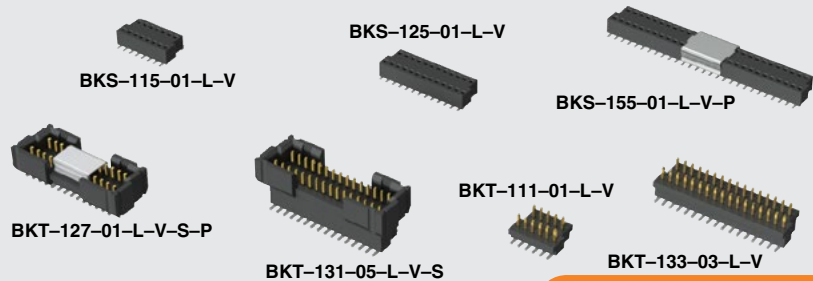


(1.00 mm) .0394"

**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)



FILE NO. E111594

**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

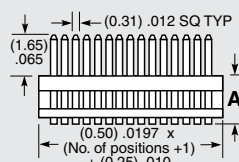
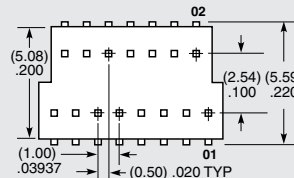
**-S**  
= Shrouded  
(15 positions minimum)

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

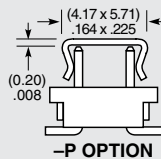
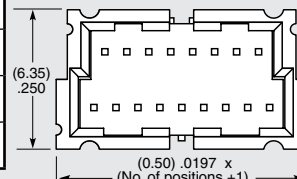
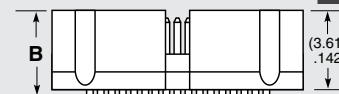
**-P**  
= Pick & Place Pad  
(13 positions minimum)

**-TR**  
= Tape & Reel Packaging

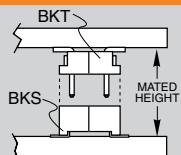
**-FR**  
= Full Reel Tape & Reel  
(must order max. quantity  
per reel; Contact Samtec  
for quantity breaks)

**-A OPTION**

| 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                  |

**-P OPTION****-S OPTION**

## 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.

**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

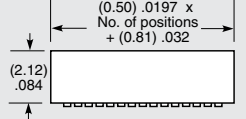
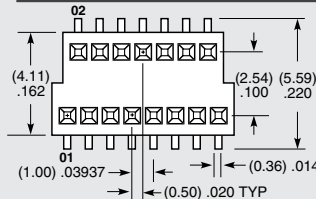
**-L**  
= Pre-plated  
10  $\mu$ " (0.25  $\mu$ m) Gold contact,  
Matte Tin on tail

**-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**