

(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 μm (1.27 μm) 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 μm (0.25 μm) Au  
**RoHS Compliant:** Yes

## PROCESSING

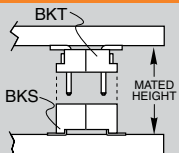
**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0.10 mm) .004" max

## 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.



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

**BKT** - **1** NO. OF POSITIONS

Mates with: **BKS**

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

**BODY STYLE**

Specify **BODY STYLE** from chart

**PLATING OPTION**

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

**-L**  
= 10 μm (0.25 μm) Gold on post, Matte Tin on tail

**V** - **OPTIONS**

**-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)

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

Mates with: **BKT**

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

**01** - **PLATING OPTION**

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

**-L**  
=Pre-plated 10 μm (0.25 μm) Gold contact, Matte Tin on tail

**V** - **OPTIONS**

**-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)