



**(1,00mm) .03937"**  
**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 50µ" (1,27µm) Ni

**Current Rating:**  
 1.5A @ 80°C ambient

**Operating Temp Range:**  
 -55°C to +125°C

**Contact Resistance:**  
 15 mΩ max

**Insertion Depth:**  
 (1,40mm) .055" minimum

**Insertion Force:**  
 (Single contact only)  
 1.5oz (0,42N) average

**Normal Force:**  
 40 grams (0,39N) average

**Withdrawal Force:**  
 (Single contact only)  
 .75oz (0,20N) average

**Max Cycles:**  
 100 with 10µ" (0,25µm) Au

**RoHS Compliant:**  
 Yes

**Processing:**  
**Lead-Free Solderable:**  
 Yes

**SMT Lead Coplanarity:**  
 (0,10mm) .004" max



**BKT** - **1** **NO. OF POSITIONS** - **BASE HEIGHT** - **PLATING OPTION** - **V** - **OPTIONS**

Mates with: **BKS**

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

Specify **BODY STYLE** from chart

BODY STYLE	BASE HEIGHT H	BOARD SPACE (mated with BKS)
-01	(1,93) .076	(4,14) .163
-02	(2,29) .090	(4,50) .177
-03	(2,79) .110	(5,00) .197
-04	(3,78) .149	(6,00) .236
-05	(4,80) .189	(7,00) .276

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

**-L**  
 = 10µ" (0,25µm) Gold on post, Matte Tin on tail

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

**-A**  
 = Alignment Pin (Metal or plastic at Samtec discretion) (14 positions minimum)

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

**-TR**  
 = Tape & Reel Packaging

**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.

**BKS** - **1** **NO. OF POSITIONS** - **01** - **PLATING OPTION** - **V** - **OPTIONS**

Mates with: **BKT**

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

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

**-L**  
 = Pre-plated 10µ" (0,25µm) 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. See Flex Processing.

**-TR**  
 = Tape & Reel Packaging

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

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