

BKT, BKS SERIES

(1.00 mm) .0394"

POLARIZED MICRO HEADER & SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?BKT or 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



FILE NO. E111594

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)

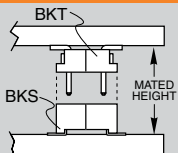
-P
= Pick & Place Pad (13 positions minimum)

-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

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

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)