

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 μ" (1.27 μm) Ni
Current Rating: 2.8 A per pin (1 pin powered per row)
Operating Temp Range: -55 °C to +125 °C
Contact Resistance: 15 mΩ
Insertion Depth: (1.40 mm) .055" minimum
Normal Force: 40 grams (0.39 N) average
Max Cycles: 100 with 10 μ" (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



BKT - **1** **NO. OF POSITIONS** - **BODY STYLE** - **PLATING OPTION** - **V** - **OPTIONS**

Mates with: **BKS**

07 thru 69
(Odd lead counts only)

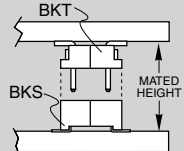
Specify **BODY STYLE** from chart

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

-F = Gold flash on post, Matte Tin on tail
-L = 10 μ" (0.25 μm) 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

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
(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 μ" (0.25 μm) 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