



(1.00 mm) .0394"

BKT, BKS SERIES

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 μ m) Ni

Current Rating: 2.8 A per pin

(1 pin powered per row)

Operating Temp Range:

-55 °C to +125 °C

Contact Resistance: 15 m Ω

Insertion Depth:

(1.40 mm) .055" minimum

Normal Force:

40 grams (0.39 N) average

Max Cycles:

100 with 10 μ " (0.25 μ 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



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 μ 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

APPLICATIONS

BKT

BKS

MATED HEIGHT

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 μ 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