

(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

50µ" (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

Insertion Force:

(Single contact only)

1.5 oz (0,42 N) average

Normal Force:

40 grams (0,39 N) average

Withdrawal Force:

(Single contact only)

.75 oz (0,20 N) average

Max Cycles:

100 with 10µ" (0,25 µm) Au

RoHS Compliant: Yes

Processing:

Lead-Free Solderable: Yes

SMT Lead Coplanarity:

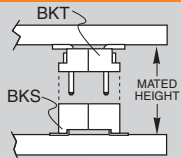
(0,10 mm) .004" max

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



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 - **BODY STYLE** - **PLATING OPTION** - **V** - **OPTIONS**

Mates with: **BKS**

07 thru 69
(Odd lead counts only)

Specify BODY STYLE from chart

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

-L
= 10µ" (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

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

Diagram dimensions: (5,08) .200, (2,54) (5,59) .100 .220, (1,00) .03937, (0,50) .020 TYP, (0,31) .012 SQ TYP, (1,65) .065, (0,50) .0197 x (No. of positions + 1) + (0,25) .010, (1,19) .047, (0,89) .035 DIA, (4,17 x 5,71) .164 x .225, (0,20) .008, (6,35) .250, (0,50) .0197 x (No. of positions + 1) + (2,44) .096, (3,61) .142, (2,21) .087, (1,07) .042, (0,89) .035 DIA.

-A OPTION

-P OPTION

-S OPTION

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 10µ" (0,25 µm) Gold contact, Matte Tin on tail

-A
= Alignment Pin (Metal or plastic at Samtec discretion) (11 positions minimum)

-P
= Pick and Place Pad (13 positions minimum)
Not always necessary for auto placement.

-TR
= Tape & Reel Packaging

Diagram dimensions: (4,11) .162, (2,54) (5,59) .100 .220, (1,00) .03937, (0,36) .014, (0,50) .0197 x No. of positions + (0,81) .032, (2,12) .084, (0,20) .008, (5,26 x 6,07) .207 x .239, (2,21) .087, (1,07) .042, (0,89) .035 DIA.

-P OPTION

-A OPTION