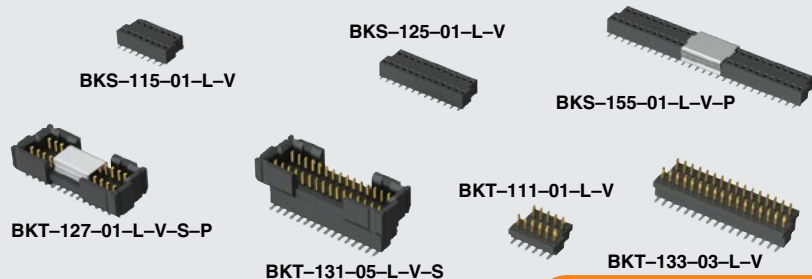


(1.00 mm) .0394"

**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

(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 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



FILE NO. E111594

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

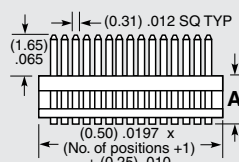
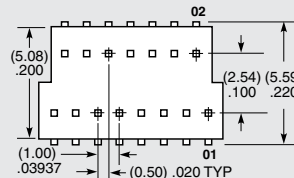
Mates with:

BKS

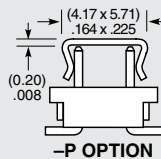
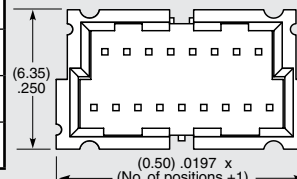
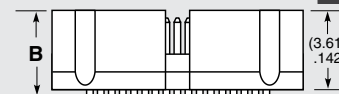
07 thru 69
 (Odd lead counts only)

 Specify
BODY STYLE
 from chart

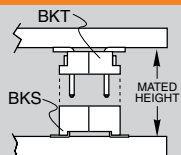
-F
 = Gold flash on post,
 Matte Tin on tail
-L
 = 10 μ " (0.25 μ m)
 Gold on post,
 Matte Tin on tail

-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
-FR
 = Full Reel Tape & Reel
 (must order max. quantity
 per reel; Contact Samtec
 for quantity breaks)
**-A OPTION**

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

**-P OPTION****-S OPTION**

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.

TIGER CLAW
 CONTACT

Note:
 Some sizes, styles and options are non-standard, non-returnable.

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

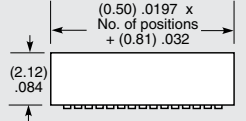
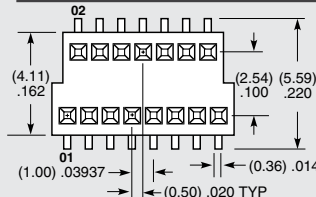
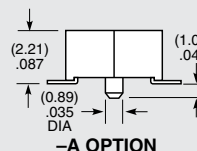
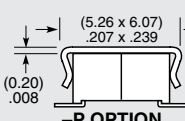
Mates with:

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
-FR
 = Full Reel Tape & Reel
 (must order max. quantity per reel;
 Contact Samtec for quantity breaks)
**-P OPTION****-A OPTION**