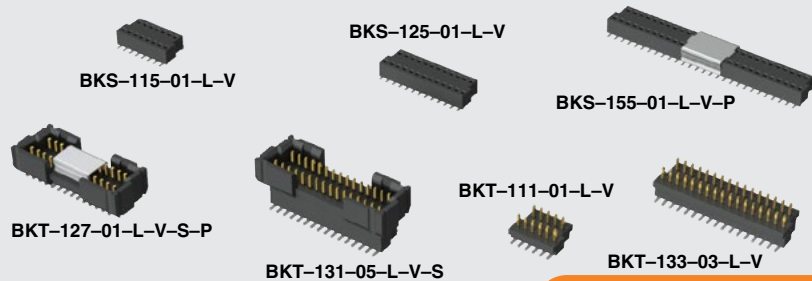


(1.00 mm) .0394"

**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

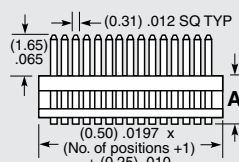
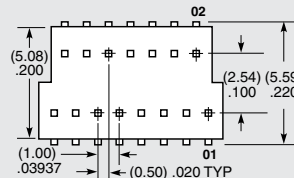
-S
= Shrouded
(15 positions minimum)

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

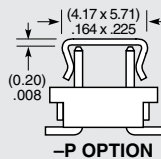
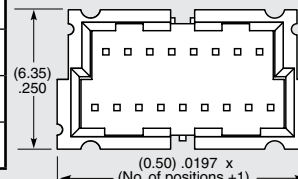
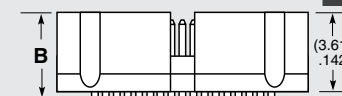
-P
= Pick & Place Pad
(13 positions minimum)

-TR
= Tape & Reel Packaging

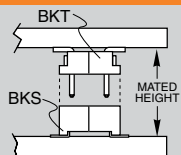
-FR
= Full Reel Tape & Reel
(must order max. quantity
per reel; Contact Samtec
for quantity breaks)

**-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

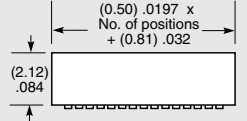
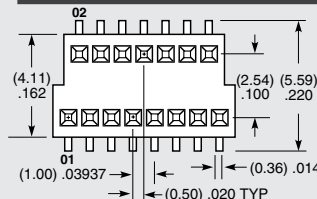
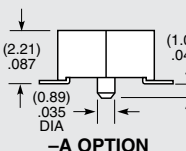
-L
= Pre-plated
10 μ " (0.25 μ m) Gold contact,
Matte Tin on tail

-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**