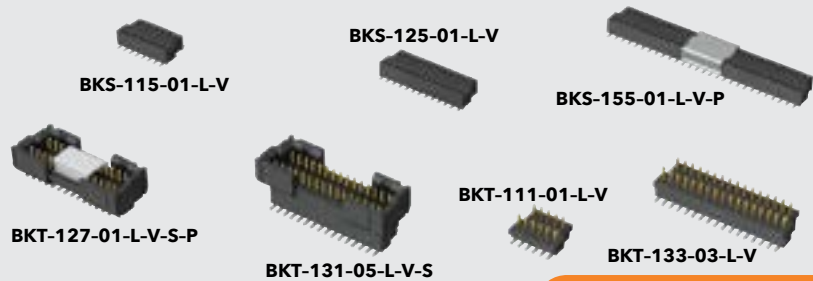


(1.00 mm) .0394"

**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 m (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 m (0.25 μ m) Au

RoHS Compliant:

Yes

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

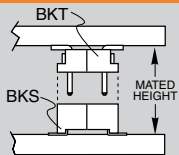
(0.10 mm) .004" max

RECOGNITIONS

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



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.

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 m (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)

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

-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 10 μ m (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