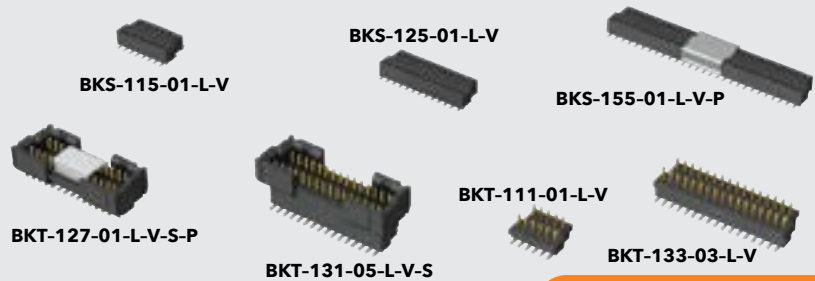


(1.00 mm) .0394"

**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:

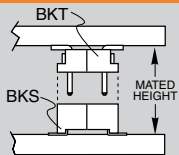
(0.10 mm) .004" max

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			Specify BODY STYLE from chart	-F = Gold flash on post, Matte Tin on tail -L = 10 μm (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 -FR = Full Reel Tape & Reel (must order max. quantity per reel; Contact Samtec for quantity breaks)																									
07 thru 69 (Odd lead counts only)			<table border="1"> <thead> <tr> <th>BODY STYLE</th> <th>A</th> <th>B</th> <th>BOARD SPACE (Mated with BKS)</th> </tr> </thead> <tbody> <tr> <td>-01</td> <td>(1.93) .076</td> <td>(3.91) .154</td> <td>(4.14) .163</td> </tr> <tr> <td>-02</td> <td>(2.29) .090</td> <td>(4.27) .168</td> <td>(4.50) .177</td> </tr> <tr> <td>-03</td> <td>(2.79) .110</td> <td>(4.78) .188</td> <td>(5.00) .197</td> </tr> <tr> <td>-04</td> <td>(3.78) .149</td> <td>(5.77) .227</td> <td>(6.00) .236</td> </tr> <tr> <td>-05</td> <td>(4.80) .189</td> <td>(6.78) .267</td> <td>(7.00) .276</td> </tr> </tbody> </table>	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	-S OPTION		
BODY STYLE	A	B	BOARD SPACE (Mated with BKS)																											
-01	(1.93) .076	(3.91) .154	(4.14) .163																											
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-05	(4.80) .189	(6.78) .267	(7.00) .276																											
-A OPTION			-P OPTION																											

BKS	1	NO. OF POSITIONS	01	PLATING OPTION	V	OPTIONS
Mates with: BKT				-F =Pre-plated Gold flash on contact, Matte Tin on tail -L =Pre-plated 10 μm (0.25 μm) 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)	
07 thru 69 (Odd lead counts only) (07 positions available with -TR only)				-P OPTION		
-A OPTION						

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Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.

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