

(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:

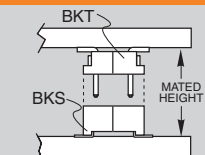
(0.10 mm) .004" max

RECOGNITIONS

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



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 μ" (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																									
07 thru 69 (Odd lead counts only)																														
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BKS	1	NO. OF POSITIONS	01	PLATING OPTION	V	OPTIONS																								
Mates with: BKT			Specify BODY STYLE from chart		-F = Pre-plated Gold flash on contact, Matte Tin on tail -L = Pre-plated 10 μ" (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																									
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Due to technical progress, all designs, specifications and components are subject to change without notice.

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All parts within this catalog are built to Samtec's specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.