



(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

(1 pin powered per row)

Operating Temp Range:

-55 °C to +125 °C

Contact Resistance: 15 m Ω

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



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)																														
			<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		
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																									

APPLICATIONS

BKT	BKS
MATED HEIGHT	
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.



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

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	
07 thru 69 (Odd lead counts only) (07 positions available with -TR only)						
			-P OPTION		-A OPTION	