



(1,00mm) .03937"
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 50µ" (1,27µm) Ni
Current Rating: 1.5A @ 80°C ambient
Operating Temp Range: -55°C to +125°C
Contact Resistance: 15 mΩ max
Insertion Depth: (1,40mm) .055" minimum
Insertion Force: (Single contact only) 1.5oz (0,42N) average
Normal Force: 40 grams (0,39N) average
Withdrawal Force: (Single contact only) .75oz (0,20N) average
Max Cycles: 100 with 10µ" (0,25µm) Au
RoHS Compliant: Yes

Processing:
Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0,10mm) .004" max



BKT - **1** **NO. OF POSITIONS** - **BASE HEIGHT** - **PLATING OPTION** - **V** - **OPTIONS**

Mates with: **BKS**

07 thru 69
(Odd lead counts only)

Specify **BODY STYLE** from chart

BODY STYLE	BASE HEIGHT H	BOARD SPACE (mated with BKS)
-01	(1,93) .076	(4,14) .163
-02	(2,29) .090	(4,50) .177
-03	(2,79) .110	(5,00) .197
-04	(3,78) .149	(6,00) .236
-05	(4,80) .189	(7,00) .276

-F = Gold flash on post, Matte Tin on tail
-L = 10µ" (0,25µm) Gold on post, Matte Tin on tail

-S = Shrouded (15 positions minimum)
-A = Alignment Pin (Metal or plastic at Samtec discretion) (14 positions minimum)
-P = Pick & Place Pad (13 positions minimum)
-TR = Tape & Reel Packaging

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.

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
(07 positions available with -TR only)

-F = Pre-plated Gold flash on contact, Matte Tin on tail
-L = Pre-plated 10µ" (0,25µm) 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. See Flex Processing.
-TR = Tape & Reel Packaging

Due to technical progress, all designs, specifications and components are subject to change without notice.

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