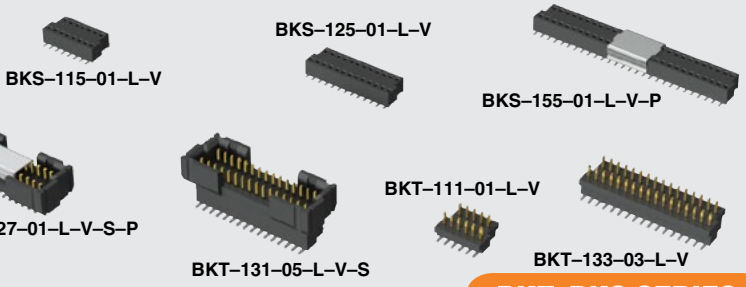
samtec



(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 µm) 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 µm) Au
RoHS Compliant:
Yes

PROCESSING

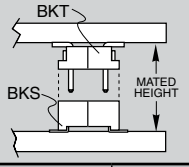
Lead–Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max

RECOGNITIONS

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

FILE NO. E111594

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

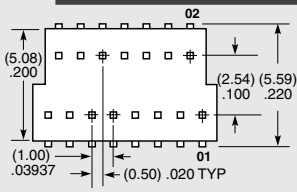
–L
= 10 µ" (0.25 µm) Gold on post, Matte Tin on tail

–S
= Shrouded (15 positions minimum)

–A
= Alignment Pin (Metal or plastic at Samtec discretion) (13 positions minimum)

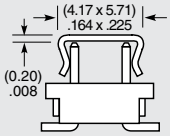
–P
= Pick & Place Pad (13 positions minimum)

–TR
= Tape & Reel Packaging

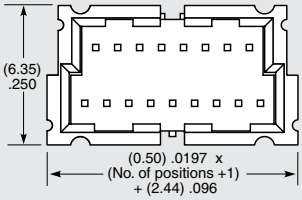


–A OPTION

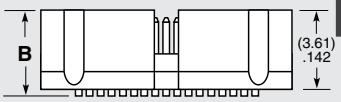
BODY STYLE	A	B	BOARD SPACE (Mated with BKS)
–01	(1.93) .076	(3.91) .154	(4.14) .163
–02	(2.29) .090	(4.27) .168	(4.50) .177
–03	(2.79) .110	(4.78) .188	(5.00) .197
–04	(3.78) .149	(5.77) .227	(6.00) .236
–05	(4.80) .189	(6.78) .267	(7.00) .276



–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)

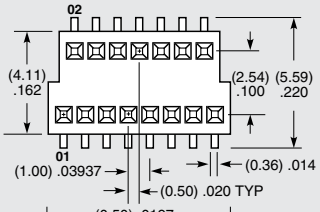
– F
= Pre-plated Gold flash on contact, Matte Tin on tail

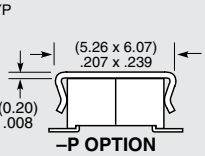
– L
= Pre-plated 10 µ"(0.25 µm) Gold contact, Matte Tin on tail

–A
= Alignment Pin (Metal or plastic at Samtec discretion) (11 positions minimum)

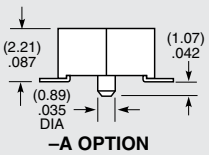
–P
= Pick & Place Pad (13 positions minimum) Not always necessary for auto placement.

–TR
= Tape & Reel Packaging





–P OPTION



–A OPTION

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

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.