MICRO BLADE & BEAM SOCKET & HEADER

PAM4
56 Gbps

(0.50 mm) .0197" PITCH • SS5/ST5 SERIES
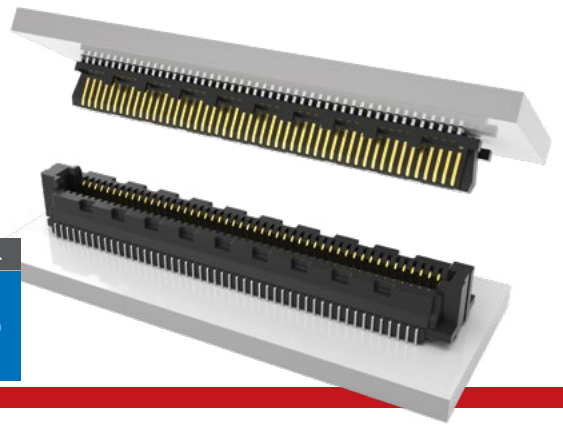
SS5
Mates:
ST5

ST5
Mates:
SS5

SPECIFICATIONS

Insulator Material:
Black LCP
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50 μ" (1.27 μm) Ni
Operating Temp Range:
-55 °C to +125 °C
Current Rating:
1.5 A per pin
(2 pins powered)

PROCESSING

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

SS5	–	NO. OF POSITIONS	–	LEAD STYLE	–	PLATING OPTION	–	D	–	K	–	"X"R

NO. OF POSITIONS
–10, –15, –20,
–30, –40, –50,
–60, –70, –80
(Per Row)

LEAD STYLE
–3.00
= 3.00 mm
–3.50
= 3.50 mm

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

K
(Required in callout)
–K
= (3.50 mm)
.138" DIA
Polyimide
Film
Pick &
Place Pad

"X"R
(Required in callout)
–TR
= Tape & Reel
–FR
= Full Reel
Tape & Reel
(must order max.
quantity per reel;
contact Samtec for
quantity breaks)

No. of positions per row x
(0.50) .0197+ (3.54) .139

(4.35)
.171

B

A

(5.00)
.197
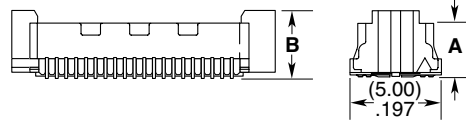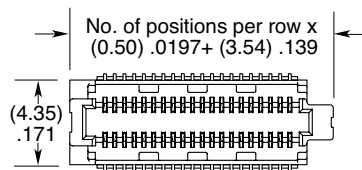
LEAD STYLE	A	B
–3.00	(2.85) .112	(3.50) .138
–3.50	(3.35) .132	(4.00) .157

MATED HEIGHT *

ST5 LEAD STYLE	SS5 LEAD STYLE	
	–3.00	–3.50
–1.00	(4.00 mm) .157"	(4.50 mm) .177"
–1.50	(4.50 mm) .177"	(5.00 mm) .197"

*Processing conditions
will affect mated height.

ST5	–	NO. OF POSITIONS	–	LEAD STYLE	–	PLATING OPTION	–	D	–	P	–	"X"R

NO. OF POSITIONS
–10, –15, –20,
–30, –40, –50,
–60, –70, –80
(Per Row)

LEAD STYLE
–1.00
= 1.00 mm
–1.50
= 1.50 mm

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

P
(Required in callout)
–P
= Pick &
Place Pad

"X"R
(Required in callout)
–TR
= Tape & Reel
–FR
= Full Reel
Tape & Reel
(must order max.
quantity per reel;
contact Samtec for
quantity breaks)

ALSO AVAILABLE
MOQ Required

Other lead styles

No. of positions per row x
(0.50) .0197 + (1.40) .055

(3.70)
.146

(1.46)
.057

B

A

(4.00)
.157
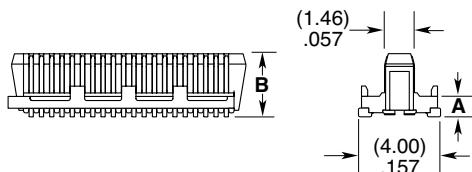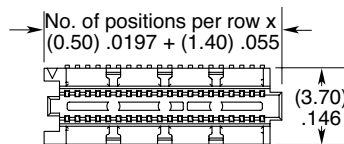
LEAD STYLE	A	B
–1.00	(1.00) .039	(3.08) .121
–1.50	(1.50) .059	(3.58) .141

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

samtec.com?SS5 or samtec.com?ST5