

# LOW-PROFILE BLADE AND BEAM

(0.50 mm) .0197" PITCH • LTH/LSH SERIES



**LTH**  
Mates:  
LSH

**LSH**  
Mates:  
LTH

<b>LTH</b>	<b>NO. OF POSITIONS PER ROW</b>	<b>01</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>A</b>	<b>OTHER OPTION</b>
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-010, -020,  
-030, -040, -050

**-G**  
= 10 μm  
(0.25 μm)  
Gold

**-K**  
= (5.50 mm)  
.217" DIA  
Polyimide  
film Pick &  
Place Pad

**-TR**  
= Tape & Reel

**-FR**  
= Full Reel  
Tape & Reel  
(must order max.  
quantity per reel;  
contact Samtec for  
quantity breaks)

## SPECIFICATIONS

### Insulator Material:

Liquid Crystal  
Polymer

### Terminal Material:

Phosphor Bronze

### Contact Material:

BeCu

### Plating:

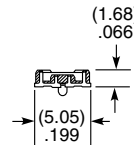
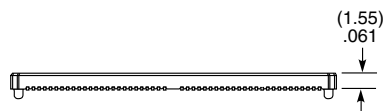
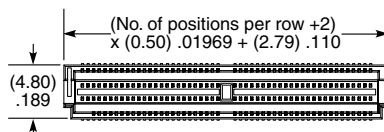
Au over 50 μm (1.27 μm) Ni

### Current Rating:

2.6 A per pin  
(2 pins powered)

### Operating Temp Range:

-55 °C to +125 °C



## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.10 mm) .004" max

### Board Stacking:

For applications requiring more than two connectors per board, contact ipg@samtec.com

<b>LSH</b>	<b>NO. OF POSITIONS PER ROW</b>	<b>01</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>A</b>	<b>OTHER OPTION</b>
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-010, -020,  
-030, -040, -050

**-G**  
= 10 μm  
(0.25 μm)  
Gold

**-K**  
= (7.50 mm)  
.295" DIA  
Polyimide  
film Pick &  
Place Pad

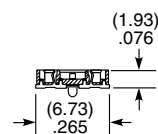
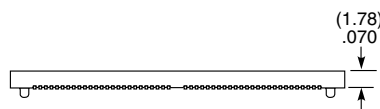
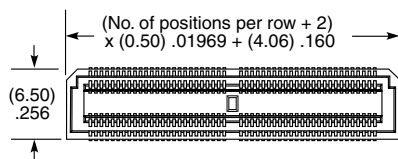
**-TR**  
= Tape & Reel

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Tape & Reel  
(must order max.  
quantity per reel;  
contact Samtec for  
quantity breaks)

## MATED HEIGHT

LEAD STYLE	MATED HEIGHT*
-01	(2.31 mm) .091"

\*Processing conditions will affect mated height.



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

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