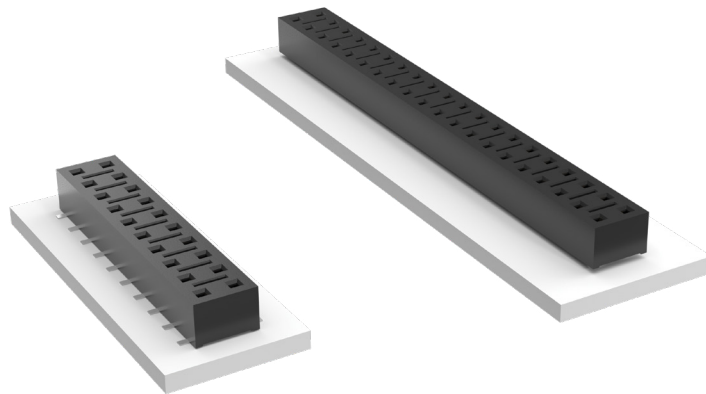


# COST-EFFECTIVE RELIABLE SOCKET

(2.54 mm) .100" PITCH • HLE SERIES



## HLE

### Board Mates:

TSW, MTSW, DW, EW,  
ZW, TLW, TSM, MTLW, HW

## SPECIFICATIONS

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

BeCu

### Plating:

Au or Sn over

50  $\mu$ " (1.27  $\mu$ m) Ni

### Operating Temp Range:

-55 °C to +125 °C

### Current Rating (HLE/TSM):

4.1 A per pin

(2 pins powered)

### Voltage Rating:

400 VAC/566 VDC

### Insertion Depth:

(1.78 mm) .070" to  
(3.43 mm) .135", pass-through,  
or (2.59 mm) .102" min  
plus board thickness for  
bottom entry

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.10 mm) .004" max (02-20)

(0.15 mm) .006" max (21-50)\*

\*(.004" stencil solution  
may be available; contact  
ipg@samtec.com)

| HLE | - | 1 | NO. PINS<br>PER ROW | - | 02 | - | PLATING<br>OPTION | - | DV | - | TAIL<br>OPTION | - | OTHER<br>OPTION |
|-----|---|---|---------------------|---|----|---|-------------------|---|----|---|----------------|---|-----------------|
|-----|---|---|---------------------|---|----|---|-------------------|---|----|---|----------------|---|-----------------|

02 thru 50

**-F**  
= Gold flash on  
contact,  
Matte Tin on tail

**-L**  
= 10  $\mu$ " (0.25  $\mu$ m)  
Gold on contact,  
Matte Tin on tail

Leave blank for  
Surface Mount  
(Requires -BE for  
Bottom Entry)

**-TE**  
= Through-hole  
Top Entry

**-PE**  
= Through-hole  
Pass-through  
Entry  
(Requires -BE for  
Bottom Entry)

**-BE**  
= Bottom Entry  
(Not available  
with -TE)

**-A**  
= Alignment Pin  
(4 positions min.)  
Metal or plastic at  
Samtec discretion  
(Not available with  
-TE, -PE & -LC)

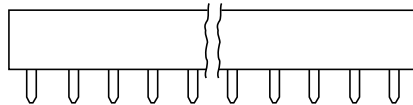
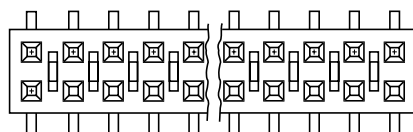
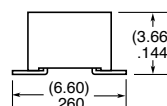
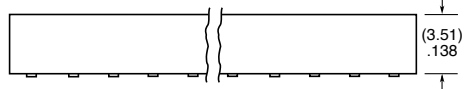
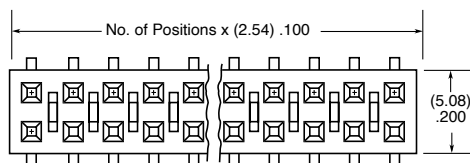
**-LC**  
= Locking Clip  
(2 positions min.)  
(Not available with -A)  
(Manual placement  
required)

**-K**  
= (6.50 mm)  
.256" DIA  
Polyimide Film  
Pick & Place Pad  
(3 positions min.)  
Not available  
with -TE or  
-PE tail option

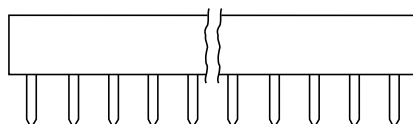
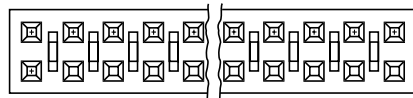
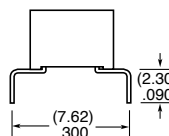
**-P**  
= Metal Pick  
& Place Pad  
(3 positions min.)

**-TR**  
= Tape & Reel  
(29 positions max.)

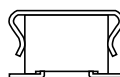
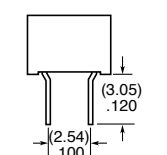
**-FR**  
= Full Reel  
Tape & Reel  
(must order max.  
quantity per reel;  
contact Samtec for  
quantity breaks)



**-PE**



**-TE**



**-P**



**-LC**



**-A**

## ALSO AVAILABLE

Contact Samtec

Other Platings

## Note:

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