



(2,54 mm) .100"

HLE SERIES

# COST-EFFECTIVE RELIABLE SOCKET

**Mates With:**  
TSW, MTSW, DW,  
EW, ZW, TLW, TSM,  
MTLW, HW

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?HLE](http://www.samtec.com?HLE)

**Insulator Material:**  
Black Liquid Crystal Polymer

**Contact Material:**  
BeCu

**Plating:**  
Au or Sn over  
50µ" (1,27 µm) Ni

**Current Rating (HLE/TSM):**  
4.1 A per pin

(1 pin powered per row)

**Voltage Rating:**  
400 VAC

**Operating Temp Range:**  
-55°C to +125°C

**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

**Insertion Force:**  
(Single contact only)  
2 oz (0,56 N) avg.

**Withdrawal Force:**  
(Single contact only)  
1.6 oz (0,44 N) avg.

**RoHS Compliant:**  
Yes

**Processing:**

**Lead-Free Solderable:**  
Yes

**SMT Lead Coplanarity:**  
(0,10 mm) .004" max (02-20)  
(0,15 mm) .006" max (21-50)

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



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## ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

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

HLE	1 NO. PINS PER ROW	02 PLATING OPTION	DV TAIL OPTION	OTHER OPTION
		<p><b>-F</b> = Gold flash on contact, Matte Tin on tail</p> <p><b>-L</b> = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail</p>	<p>Leave blank for Surface Mount</p> <p>(Requires -BE for Bottom Entry)</p>	<p><b>-BE</b> = Bottom Entry (N/A with -TE)</p> <p><b>-A</b> = Alignment Pin (4 positions min.) Metal or plastic at Samtec discretion (N/A with -TE, -PE &amp; -LC)</p> <p><b>-LC</b> = Locking Clip (2 positions min.) (N/A with -A) (Manual placement required)</p> <p><b>-K</b> = (6,50 mm) .256" DIA Polyimide Film Pick &amp; Place Pad (3 positions min.) Not available with -TE or -PE tail option</p> <p><b>-PE</b> = Through-hole Pass-Through Entry</p> <p>(Requires -BE for Bottom Entry)</p> <p><b>-P</b> = Metal Pick &amp; Place Pad (3 positions min.)</p> <p><b>-TR</b> = Tape &amp; Reel Packaging (29 positions max.)</p>
		<b>02 thru 50</b>		