



(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  
50 μ" (1.27 μm) Ni  
**Current Rating (HLE/TSM):**  
4.1 A per pin  
(2 pins powered)  
**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  
**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)\*  
\*(.004" stencil solution  
may be available; contact  
IPG@samtec.com)

## RECOGNITIONS

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



FILE NO. E111594

## ALSO AVAILABLE (MOQ Required)

- Other platings

**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> = 10 μ" (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>
<b>02 thru 50</b>						
				<p><b>-TE</b> = Through-hole Top Entry</p>		<p><b>-LC</b> = Locking Clip (2 positions min.) (N/A with -A) (Manual placement required)</p>
				<p><b>-PE</b> = Through-hole Pass-through Entry</p> <p>(Requires -BE for Bottom Entry)</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>-P</b> = Metal Pick &amp; Place Pad (3 positions min.)</p>
						<p><b>-TR</b> = Tape &amp; Reel Packaging (29 positions max.)</p>

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications. Components must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.