



(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)



## 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
02 thru 50				-F = Gold flash on contact, Matte Tin on tail	Leave blank for Surface Mount	-BE = Bottom Entry (N/A with -TE)	-A = Alignment Pin (4 positions min.) Metal or plastic at Samtec discretion (N/A with -TE, -PE & -LC)
				-L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail			
				 (Requires -BE for Bottom Entry)			
				 (Requires -BE for Bottom Entry)			

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