



(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

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



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>-F = Gold flash on contact, Matte Tin on tail</p> <p>-L = 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>-BE = Bottom Entry (N/A with -TE)</p> <p>-A = Alignment Pin (4 positions min.) Metal or plastic at Samtec discretion (N/A with -TE, -PE & -LC)</p> <p>-LC = Locking Clip (2 positions min.) (N/A with -A) (Manual placement required)</p> <p>-K = (6.50 mm) .256" DIA Polyimide Film Pick & Place Pad (3 positions min.) Not available with -TE or -PE tail option</p> <p>-TR = Tape & Reel Packaging (29 positions max.)</p>
		02 thru 50	<p>-TE = Through-hole Top Entry</p>	<p>-PE = Through-hole Pass-through Entry</p> <p>(Requires -BE for Bottom Entry)</p>

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

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

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