# LOC Series - Low Cost DIP Sockets

2,54mm pitch

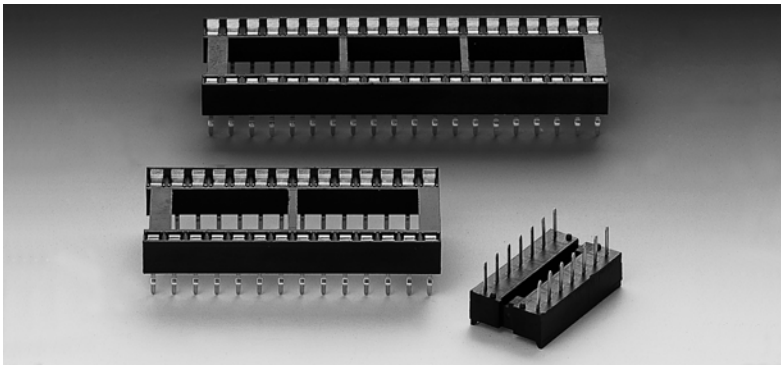
RoHS 2002/95/EC compliant

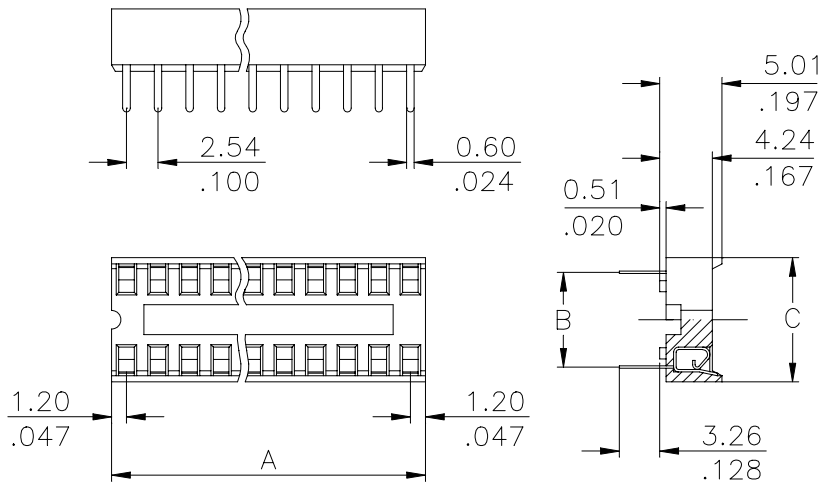
E-tec Interconnect

Available in sizes of 6 to 48 pins.

Low profile & dual-beam contact design.

Contact design incorporates anti-overstress feature.






*Low Cost DIP are also available with the "Shrink" pitch 1,778mm / .070". Please request separate datasheets.*

| Pin | Dimensions mm/inch "A" | "B" | "C" | Ordering Code |
|---|---|---|---|---|
| 6 | 7,49/.295 | 7,62 / .300 | 10,16 / .400 | **LOC-306-T051-99** |
| 8 | 10,03/.795 | | | **LOC-308-T051-99** |
| 14 | 17,65/.695 | | | **LOC-314-T051-99** |
| 16 | 20,19/.795 | | | **LOC-316-T051-99** |
| 18 | 22,73/.895 | | | **LOC-318-T051-99** |
| 20 | 25,27/.995 | | | **LOC-320-T051-99** |
| 24 | 30,35/1.195 | | | **LOC-324-T051-99** |
| 28 | 35,43/1.395 | | | **LOC-328-T051-99** |
| | | | | |
| *24-pin Sockets with row distance 10,16mm / .400" pls. ask E-tec or nearest sales office for availability.* | | | | |
| | | | | |
| 24 | 30,35/1.195 | 15,24 / .600 | 17,70 / .700 | **LOC-624-T051-99** |
| 28 | 35,43/1.395 | | | **LOC-628-T051-99** |
| 32 | 40,51/1.595 | | | **LOC-632-T051-99** |
| 40 | 50,67/1.995 | | | **LOC-640-T051-99** |
| 42 | 53,21/2.095 | | | **LOC-642-T051-99** |
| 48 | 60,83/2.395 | | | **LOC-648-T051-99** |

## Specification

**Mechanical data**

| | |
|---|---|
| Insertion force | 2 N max. |
| Extraction force | 0,5 N min. |
| Contact reliability | 50 cycles min |

**Material**

| | |
|---|---|
| Insulator (RoHS compliant) | Glass filled polyester UL 94 V-O |
| Contact (RoHS compliant) | Phosphor bronze |

**Electrical data**

| | |
|---|---|
| Contact resistance | 10 mΩ typ. |
| Current rating | 1A max., 100V |
| Contact capacitance | 0,5 pF |
| Insulation resistance | 1000 MΩ min. |
| Breakdown voltage | 1 KV min. |

**Operating temperature** –50°C to +125°C

## How to order

LOC - x xx - T051 - 99

| Series | DIP spacing | Nbr of contacts | Terminal style | Plating |
|---|---|---|---|---|
| | in inch *see table, Dim „B“* | *see table* | **T051** = straight (standard) | **- 99** = tin (leadfree) |