

# IC Hustyper

Hustyper:

<http://www.ul.ie/~rinne/ee6471/ee6471%20wk8.pdf>

## IC Packaging/Popular IC Packages

**Plastic Dual-In-Line (PDIP)**  
here: PDIP14

**SC70**  
here: SC70-5

**Small Outline Integrated Circuit (SOIC)**  
here: SO14

**Plastic Lead Chip Carrier (PLCC)**  
here: PLCC28

**Thin Shrink Small Outline (TSSOP)**  
here: TSSOP14

**Thin Quad Flat Package (TQFP)**  
here: TQFP32

**SOT346 (SC-59)**  
(5.27 mm<sup>2</sup>)

**SOT23**  
(4.2 mm<sup>2</sup>)

**SOT323 (SC-70)**  
(2.97 mm<sup>2</sup>)

**SOT416 (SC-75)**  
(1.62 mm<sup>2</sup>)

**SOT490 (SC89)**  
(1.615 mm<sup>2</sup>)

**SOT883 bottom view**  
(0.632 mm<sup>2</sup>)

enlarged

- Comparison of thermal resistances

Package	RthJC K/W	RthJA (still air) K/W	RthJA (0.5m/s) K/W	RthJA (2.0m/s) K/W
DIP16	19	48		
SOIC24	17	77		
PLCC44	10	33	31	27
PQFP44	15	48	46	42
BGA256	13	40	38	33