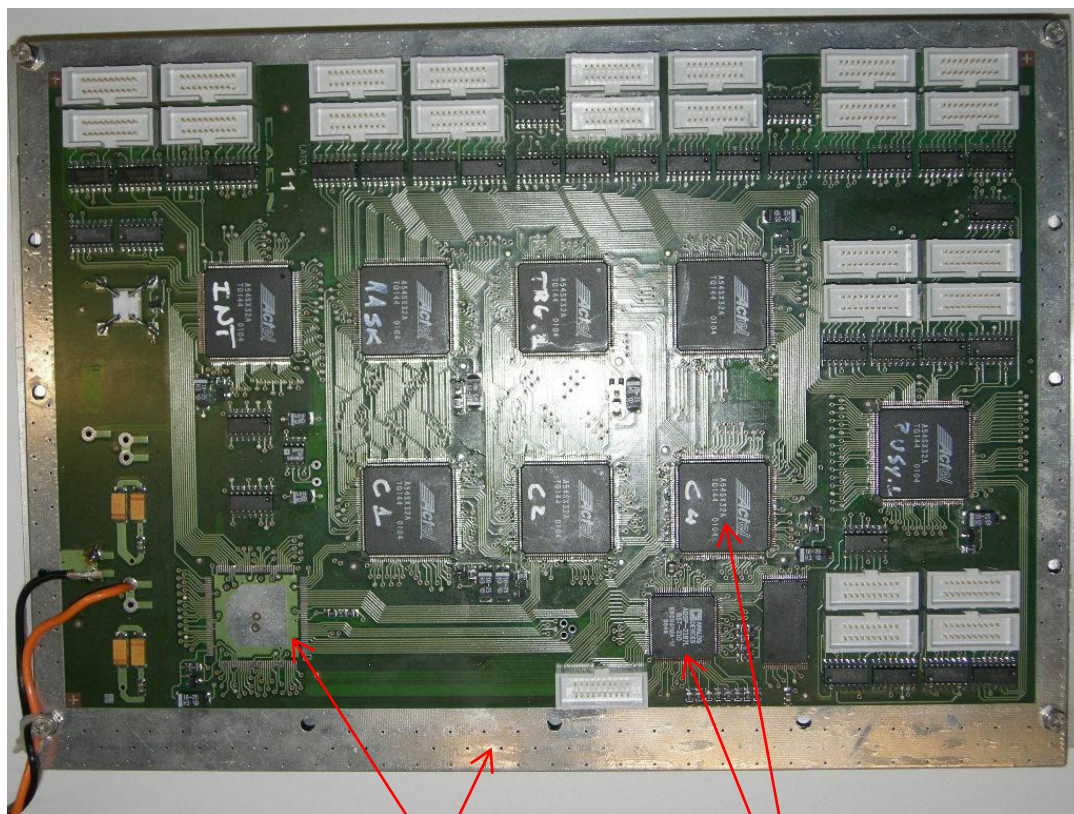


Level I

**FIELD
ASSIGNMENT**

Dr. A. ALOISIO

Dr. S. RUSSO



Metal
(low emissivity)

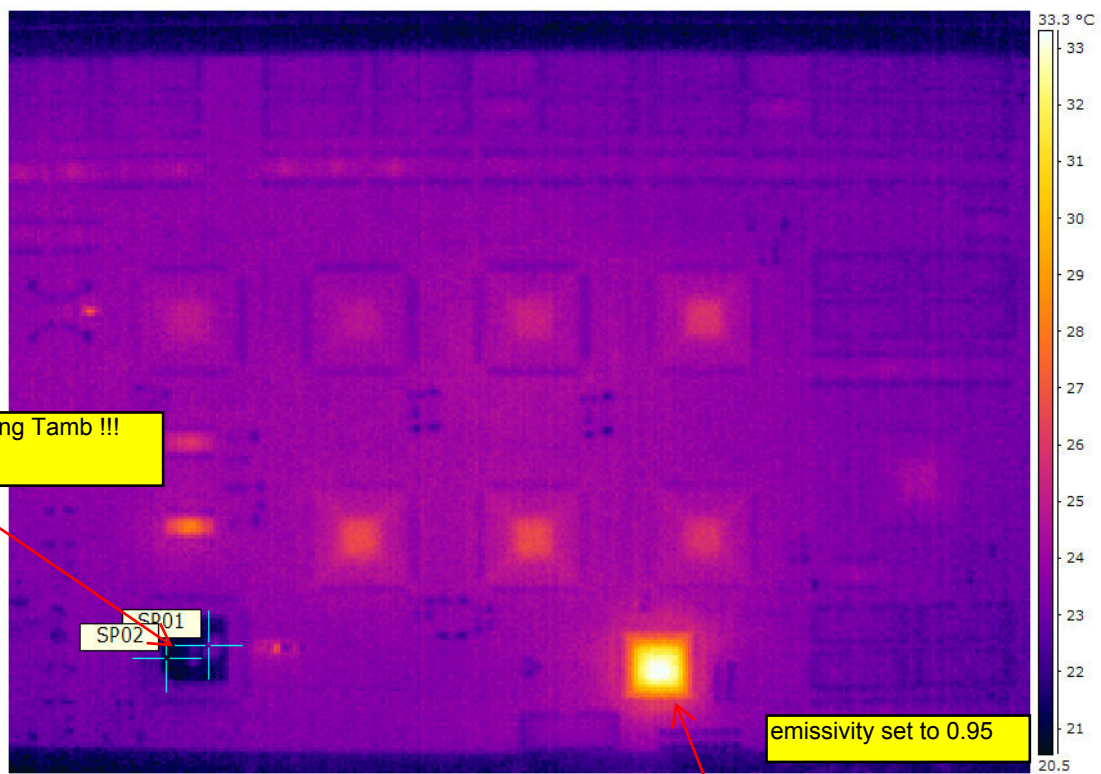
Plastic
(high emissivity)

Filename trigger 002.jpg
Date 08/03/2006 15.54.13

Tamb Calibration

performed with emissivity set to 1.0
camera pointed to aluminum dish

Tamb (measured) = 21°C



SP01 22,7 °C

SP02 21,1 °C

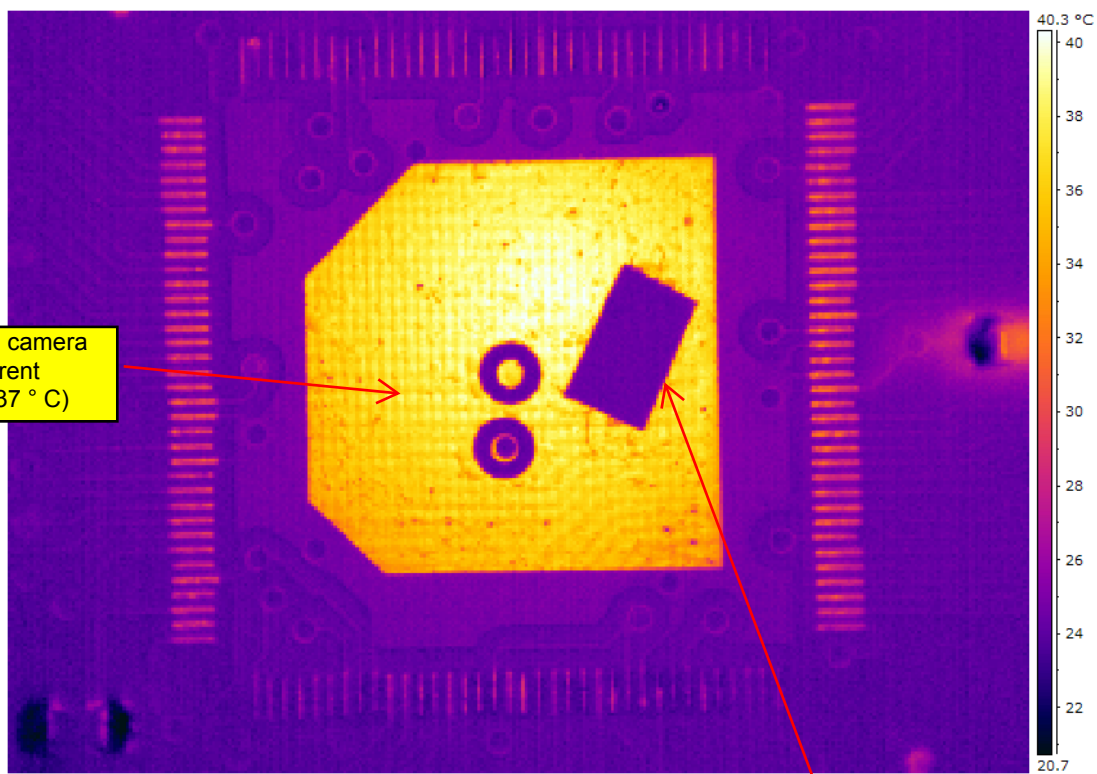
Live

Filename totale2.ff

Date 09/03/2006 17.18.23

IC body is plastic
made: high
emissivity

Metal reflects camera sensor (apparent temperature 37 ° C)

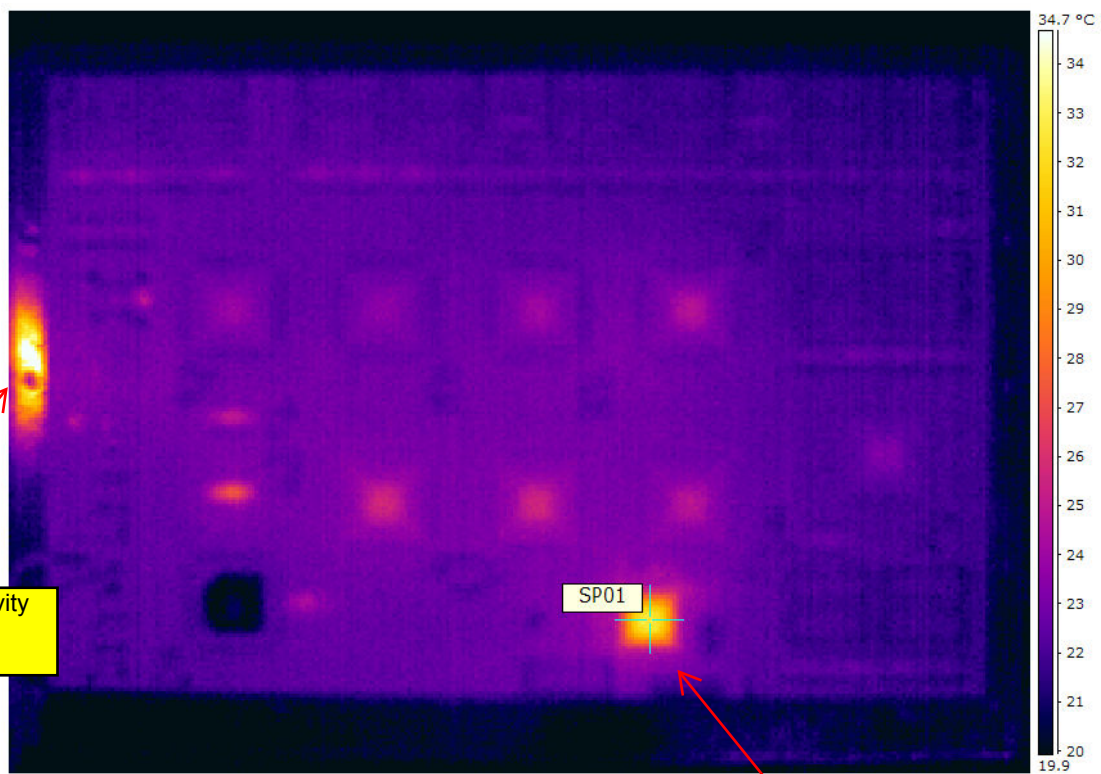


black tape on the board (high emissivity). Real temperature (22° C)

Live

Filename aluminum_tape.fff

Date 09/03/2006 17.10.56



Metal: high reflectivity

SP01

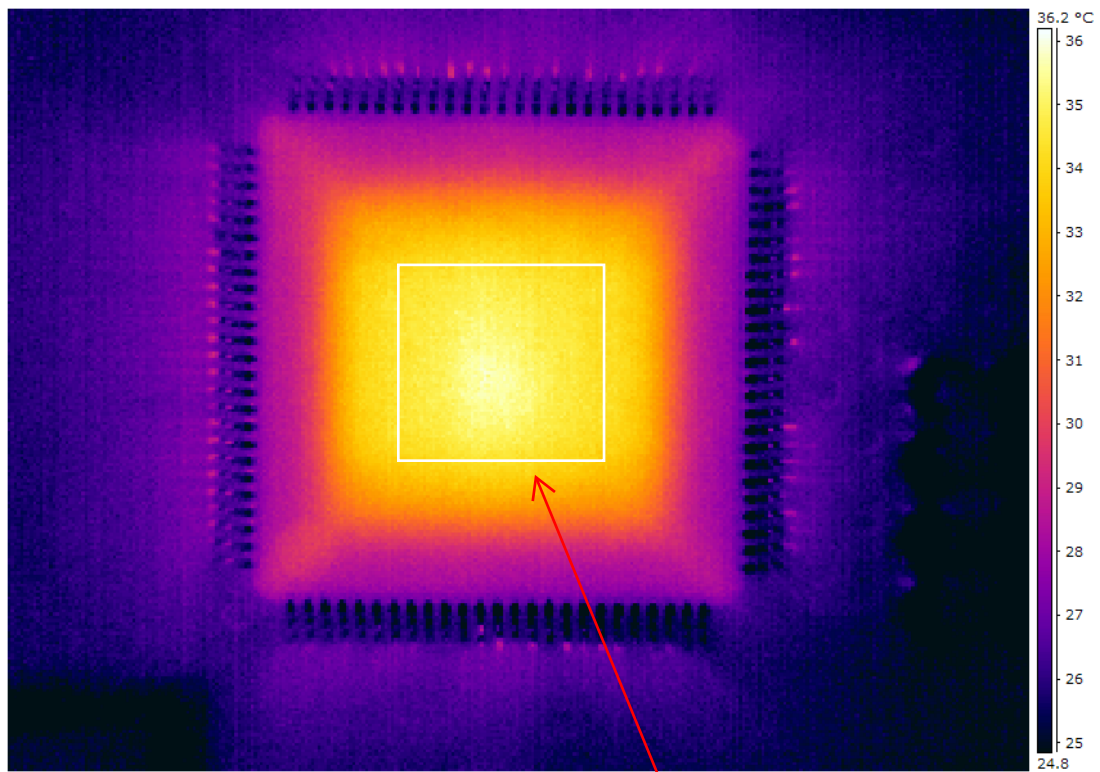
Plastic: high emissivity

SP01 32,7 °C

Live

Filename tapeADSP2187L.fff

Date 09/03/2006 16.18.14

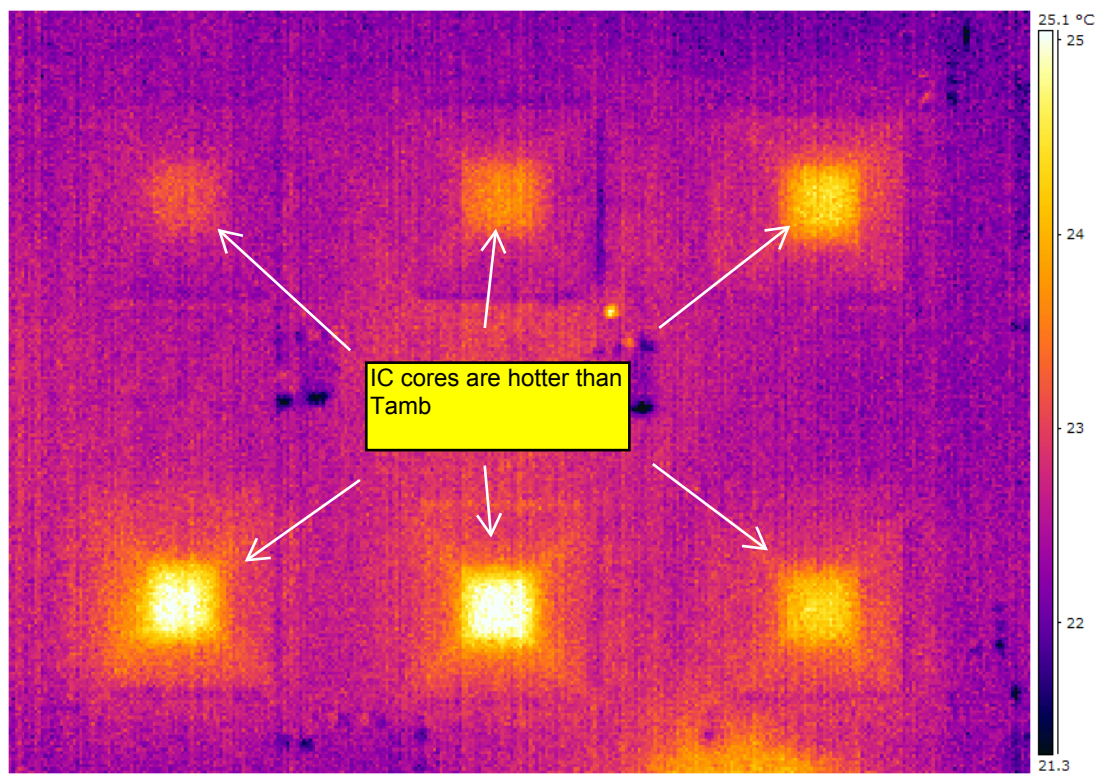


Live

With close up lens you
can see IC core

Filename ADSP2187Lottica100.fff

Date 09/03/2006 16.31.57



Live

Filename fpga.fff

Date 09/03/2006 16.55.45

IC bodies are are
plastic made (high
emissivity)