



Job Number: P239J

PO Number: 3988

Objective: Die Verification

Date Received: 9/24/10

Customer: ABC Electronics

Report Date: 9/24/10

Contact: SolTec Labs

Technician: D. Davis

Vendor: ****

Device: F4875555455553

Serial Numbers: 1234

Package: 44 Pin QFP

Date Code: 0945

Markings: none

Quantity: 1

Analysis Summary: Part was visual inspected and tested for marking permanency and blacktopping, all leads were visually and optically inspected and die was viewed under both optical and metallurgical scopes.

Conclusions: There were no signs of counterfeiting. All measurements and observations were in line with manufacturer's data sheet specs.

DISCLAIMER: SOLTEC ELECTRONICS, LLC performs analysis work as a technical service to its customers and extends every effort to report reliable data and an accurate interpretation thereof. However, SOLTEC ELECTRONICS, LLC agrees only to apply its best professional effort to any work performed. NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING RESULTS OBTAINED.

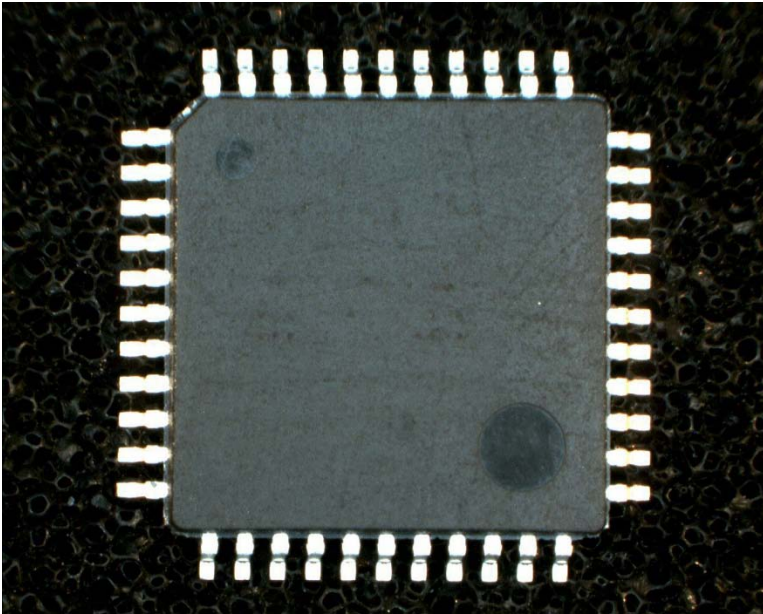


Figure 1

Optical image of top of package

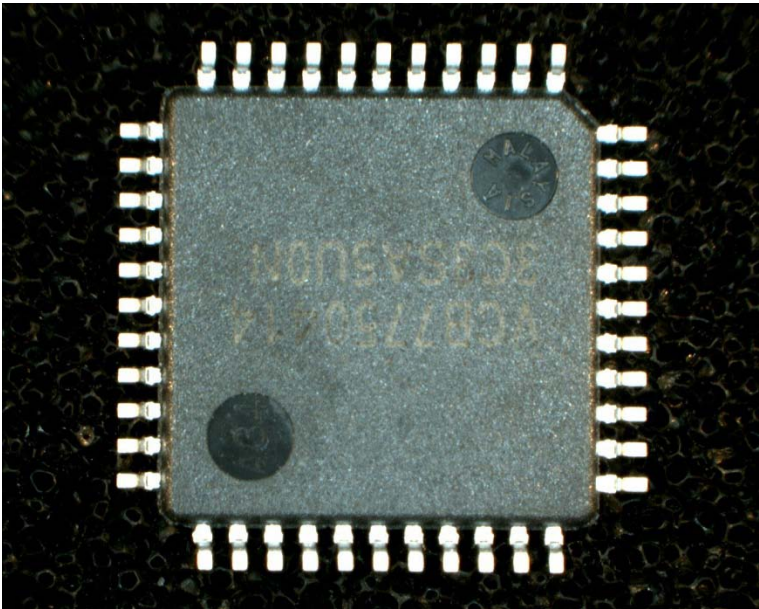


Figure 2

Optical image of bottom of package

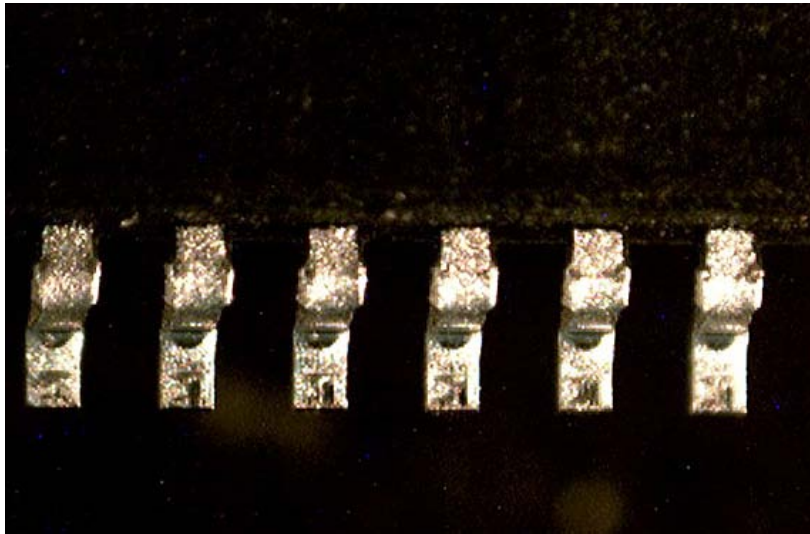


Figure 3

Optical image of leads top down

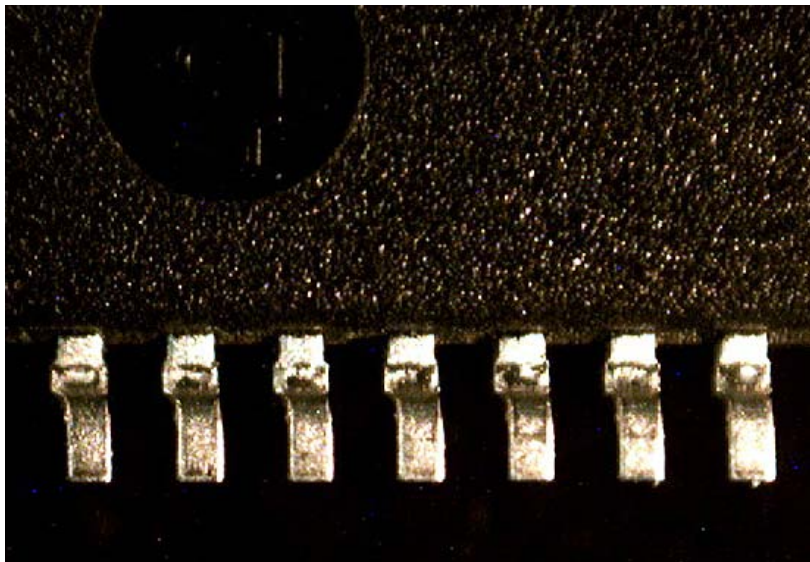


Figure 4

Optical image of leads bottom up

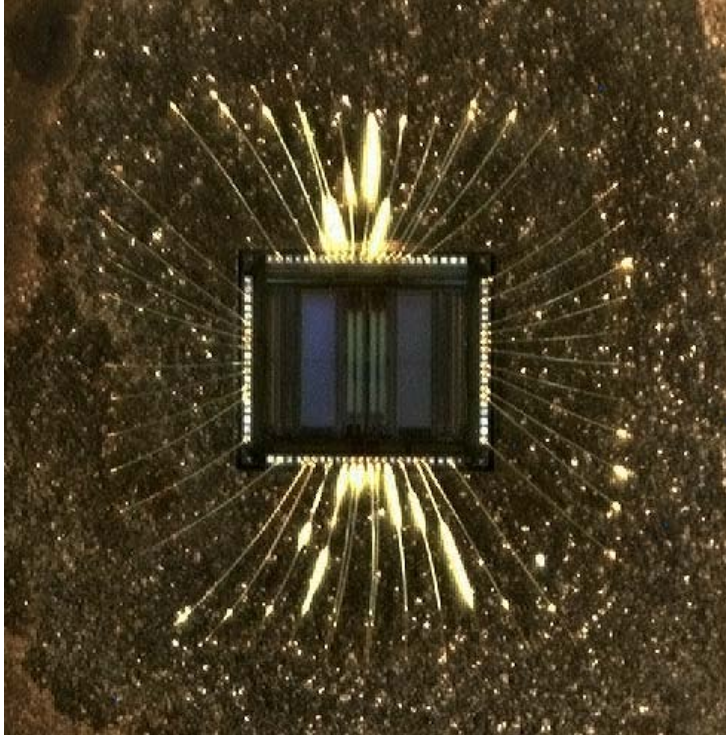


Figure 5

Optical image of full die after decapsulation

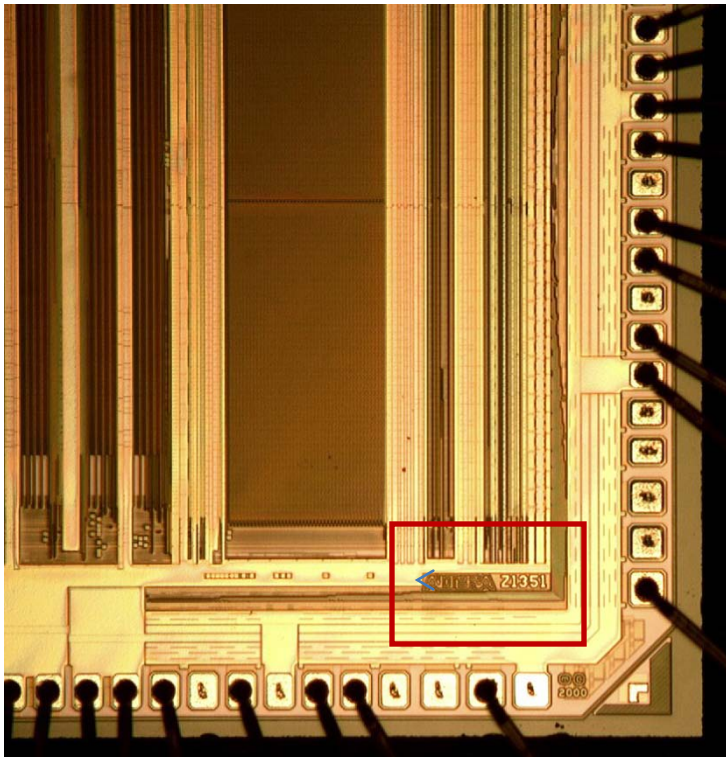


Figure 6

Metallurgical image of die Bottom Right Corner

Note: Box indicates Observed die marking.

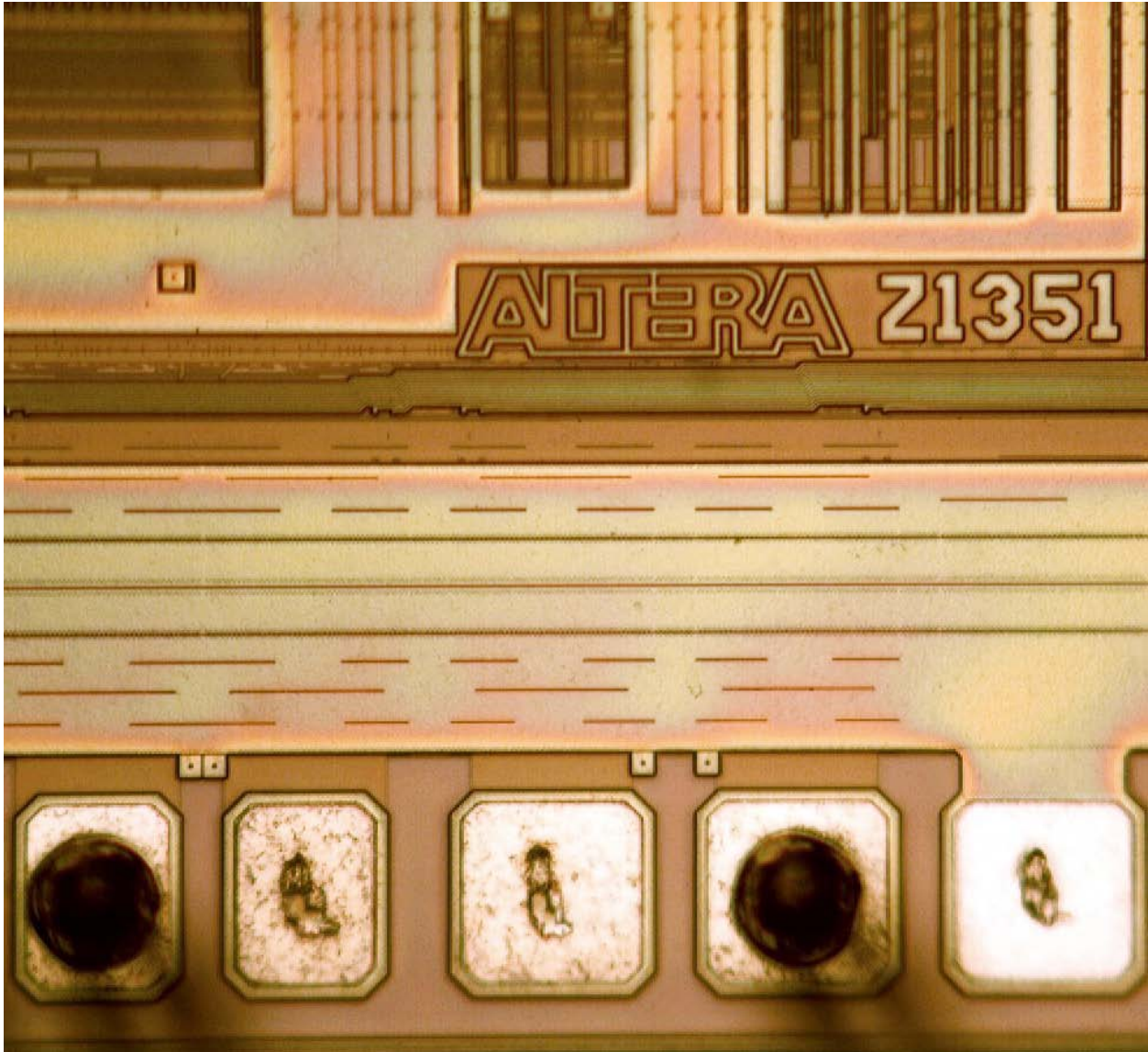


Figure 7
High-Res Metallurgical Image of Die
Marking