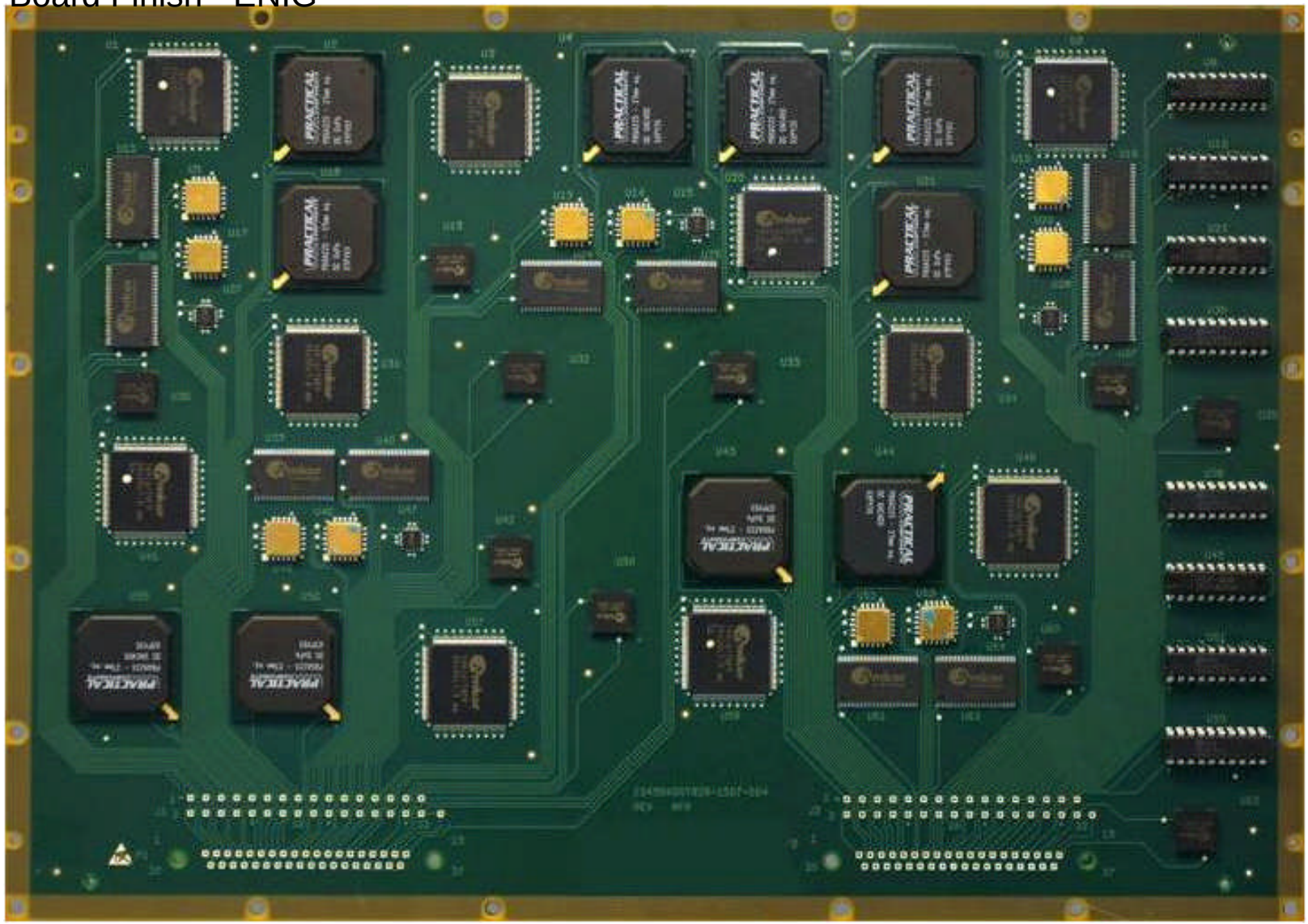
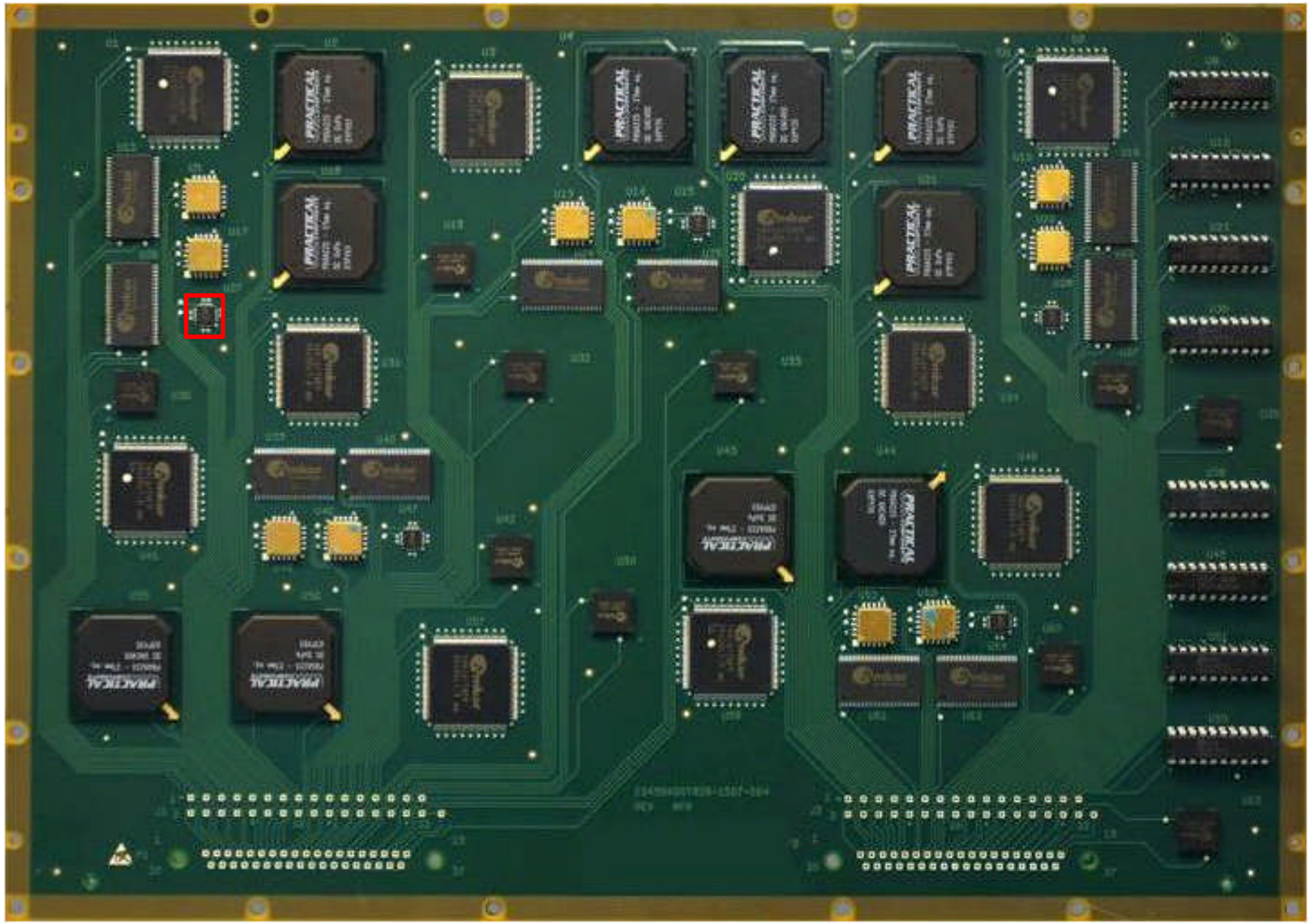
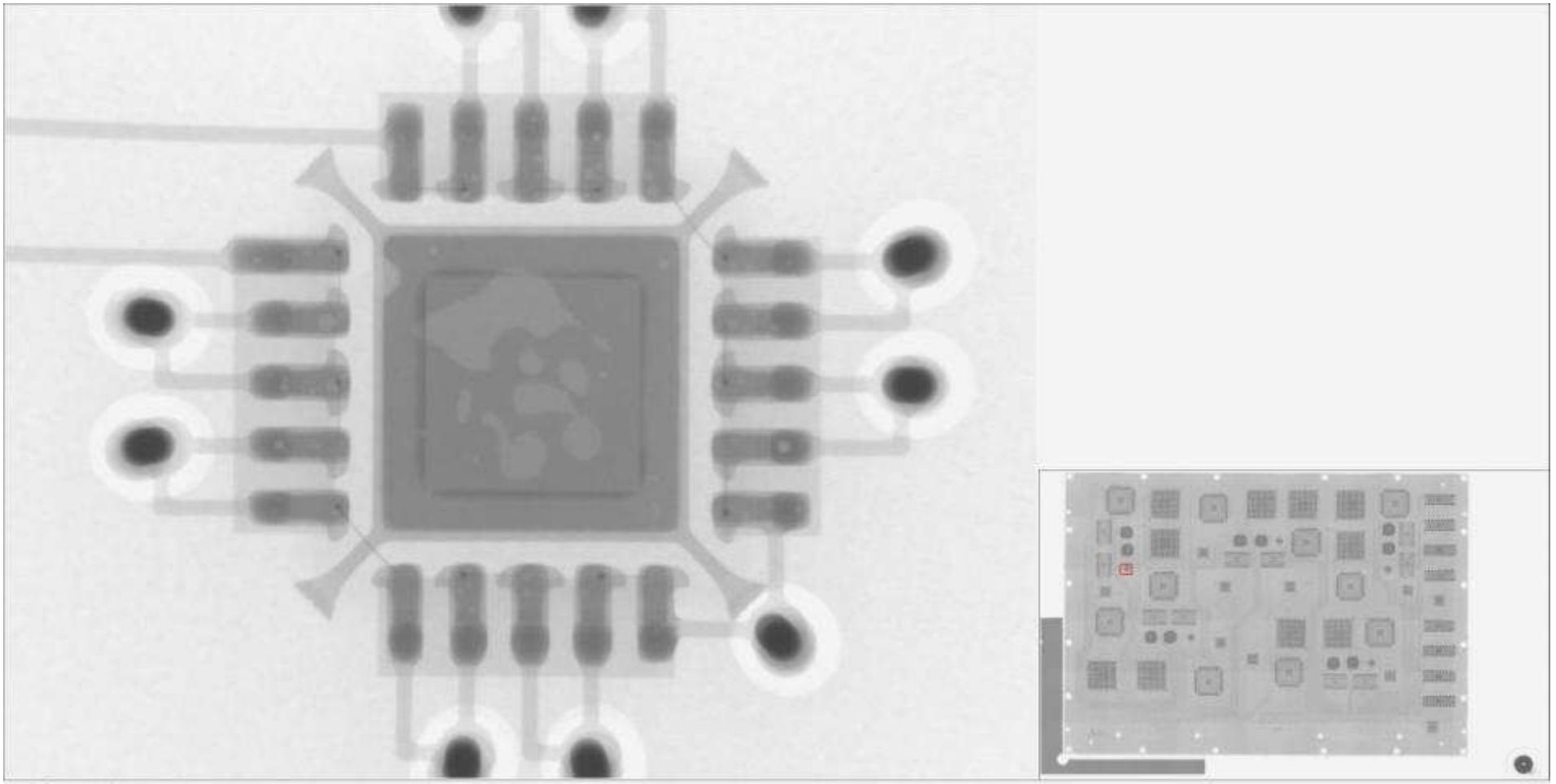
SN93 - Lead-Free Manufactured; Thermal Cycle and Combined Environments Test Vehicle

- Assembly Profile – Lead-Free
- Reflow Solder – SAC305
- Wave Solder – SN100C
- Board Finish - ENIG



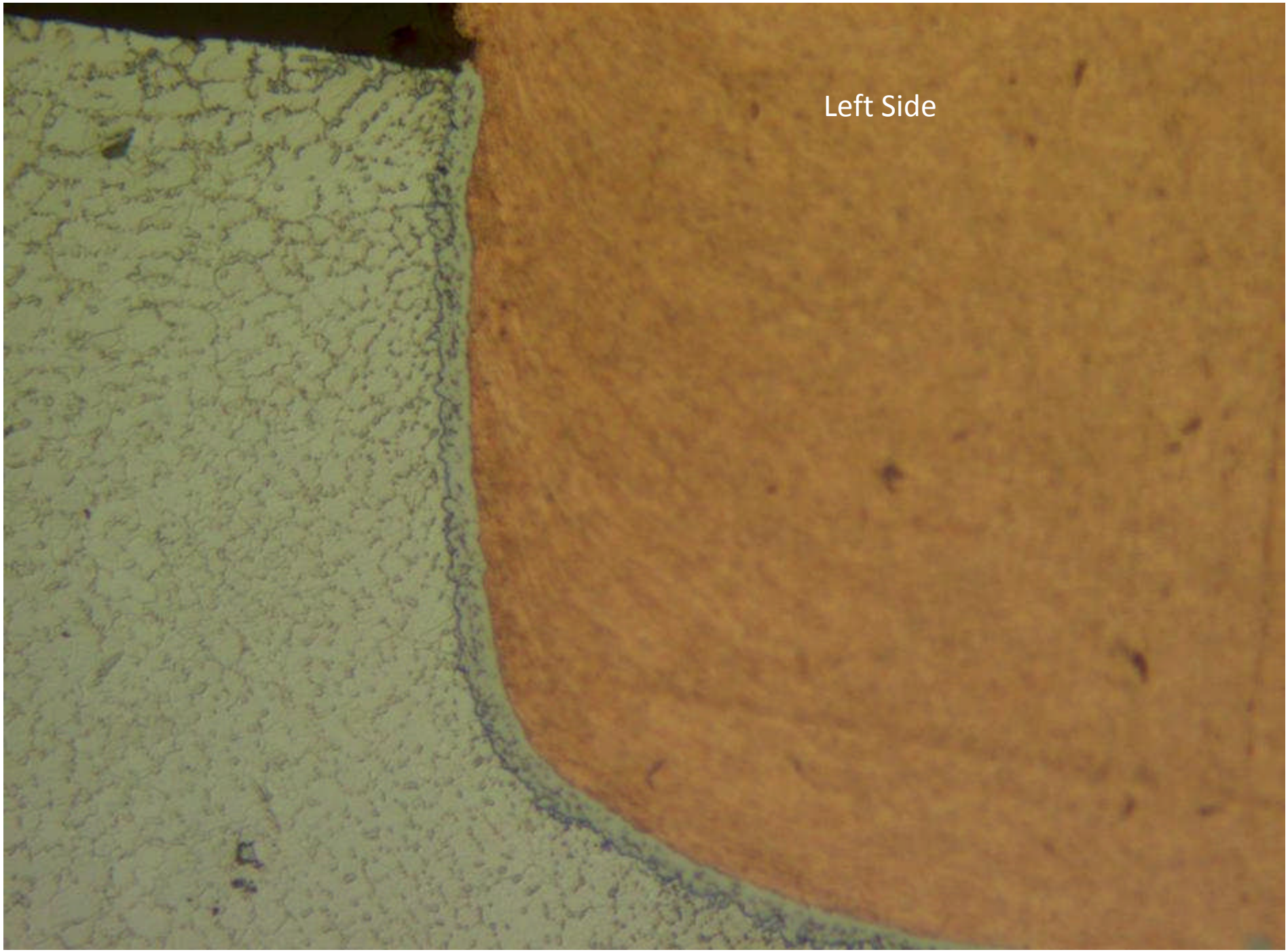
U27 – QFN
Matte Sn Finish

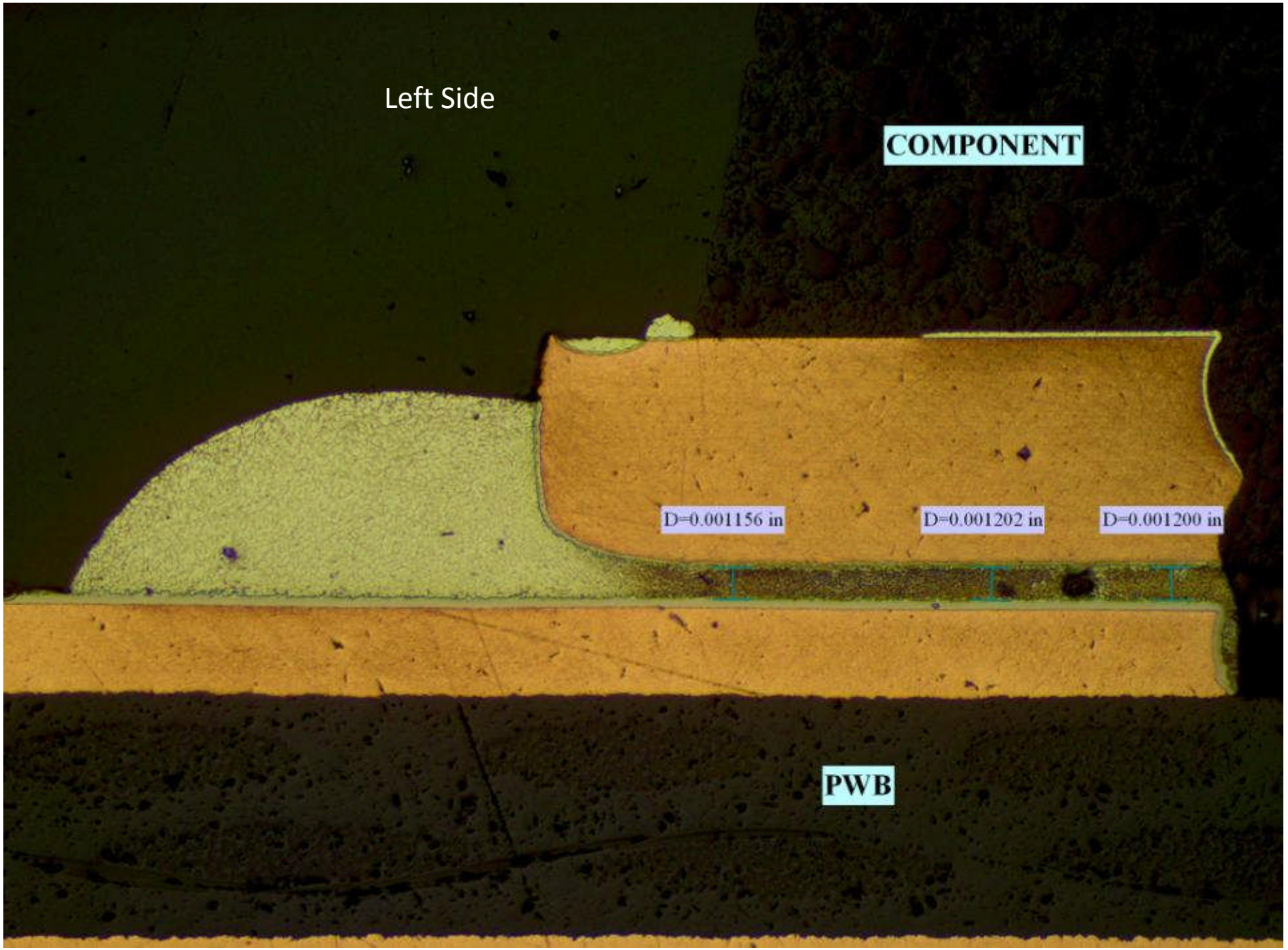


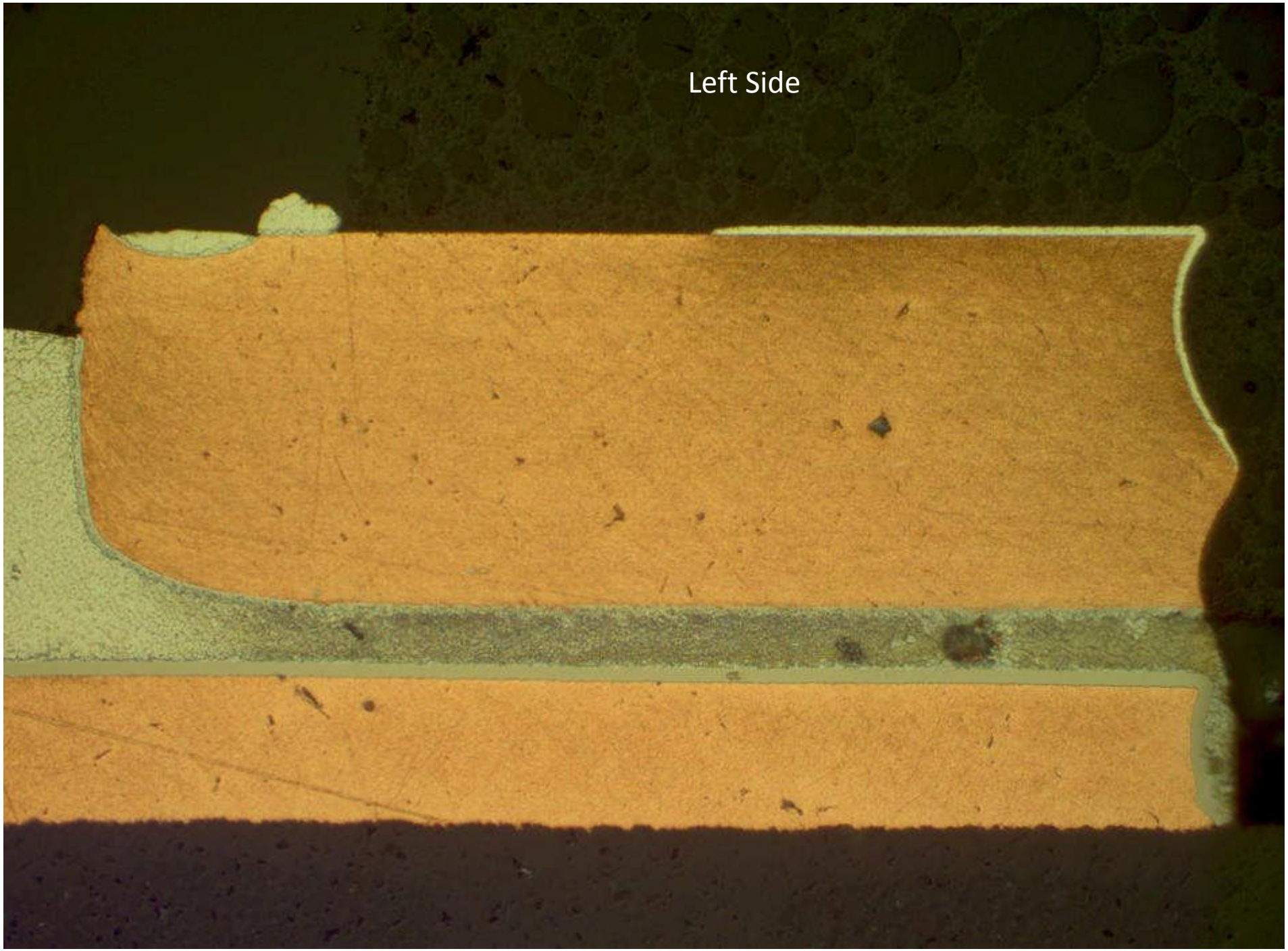


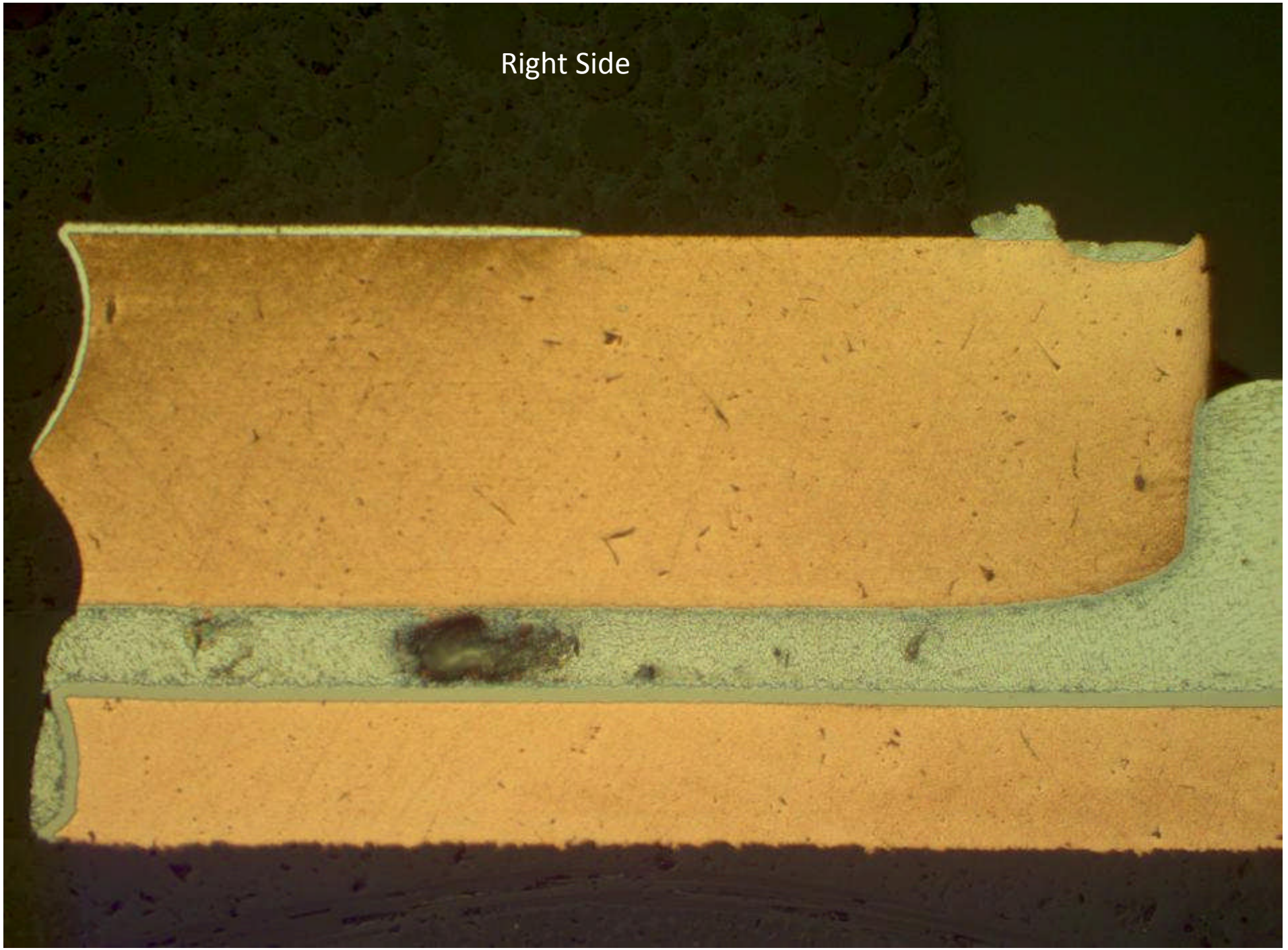
1.0mm

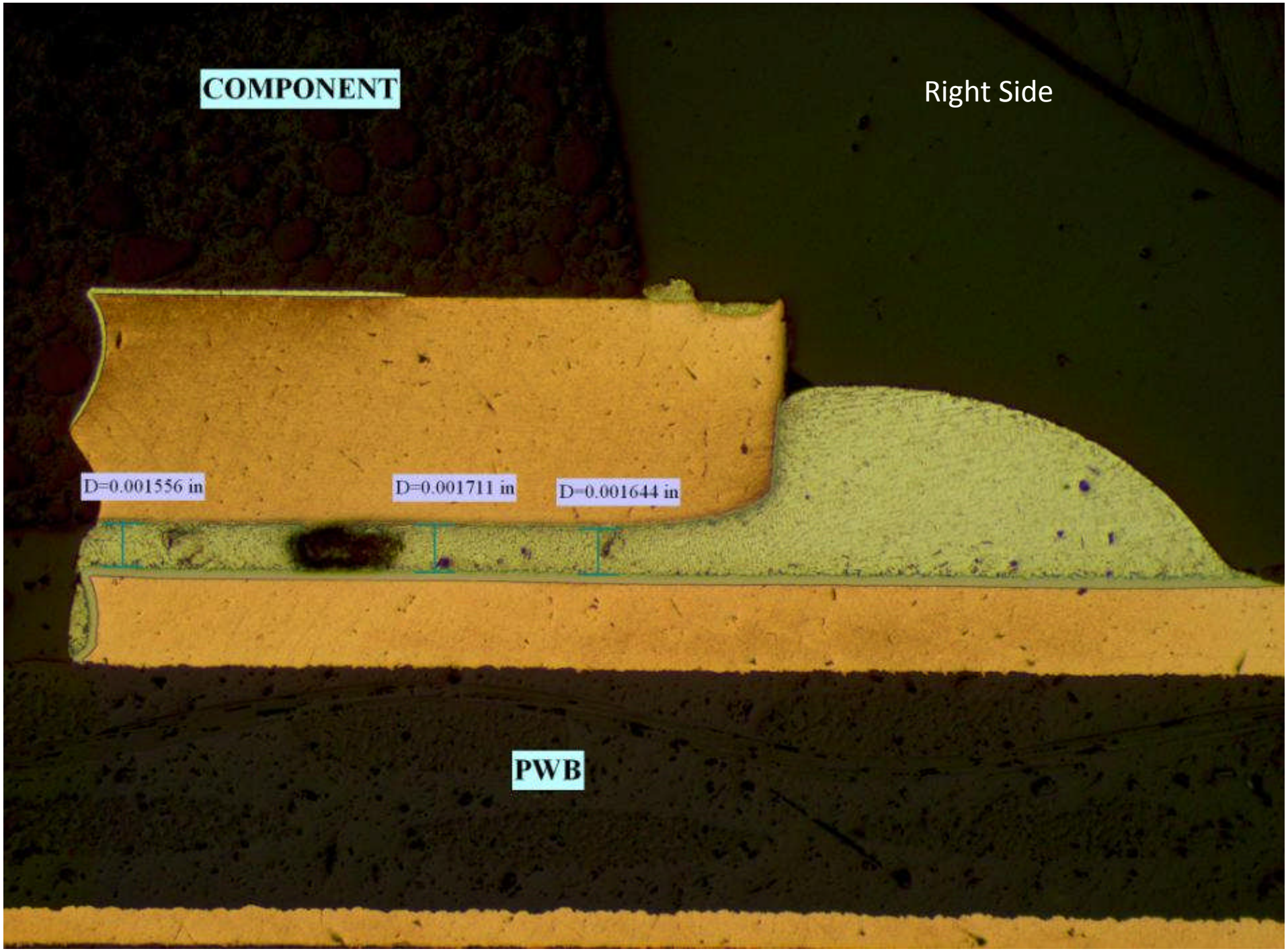
Tube voltage: 120 kV
Tube power: 1.99 W
Filter method used: None
Averaging: 256 frames

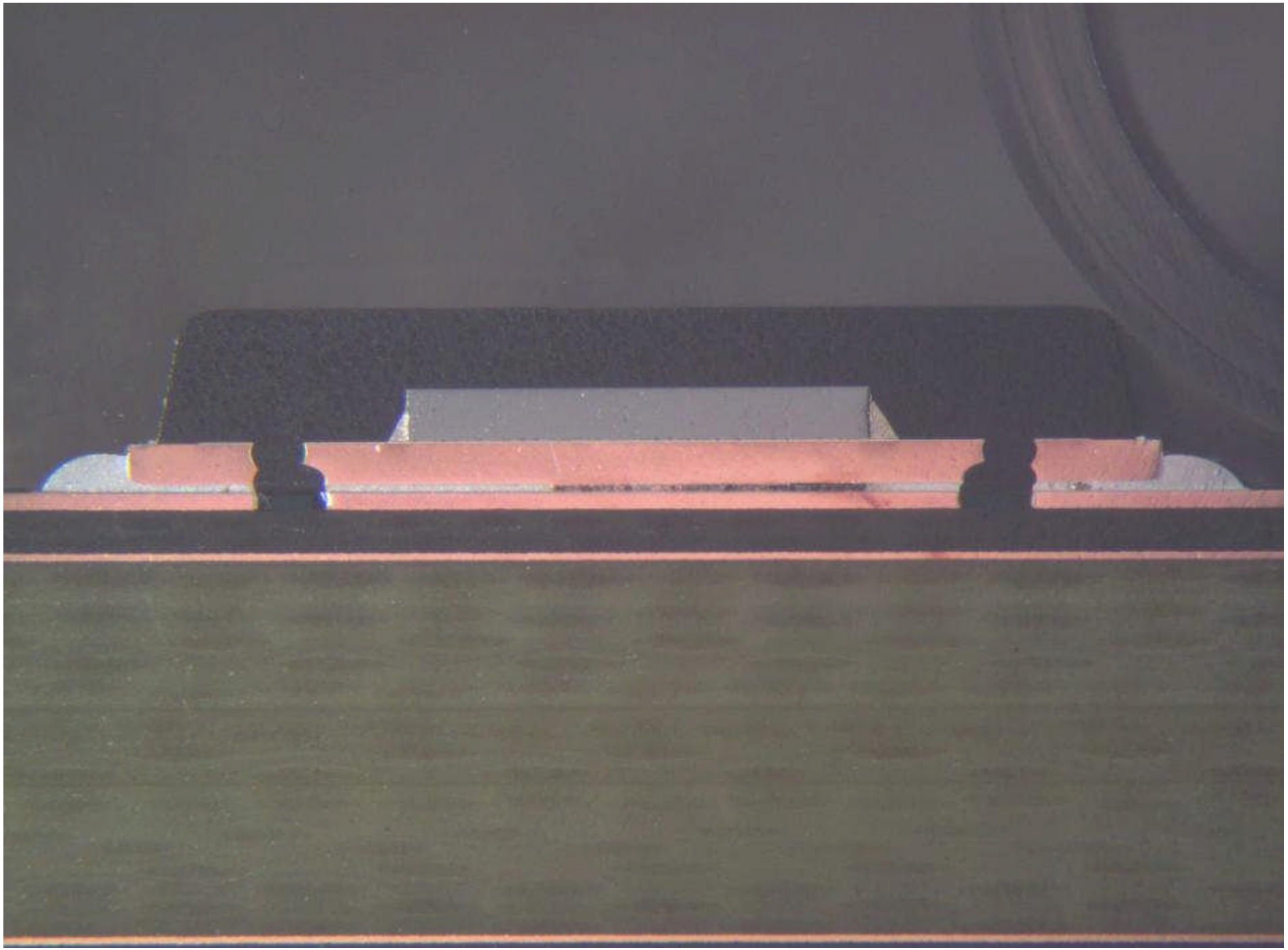

Left Side

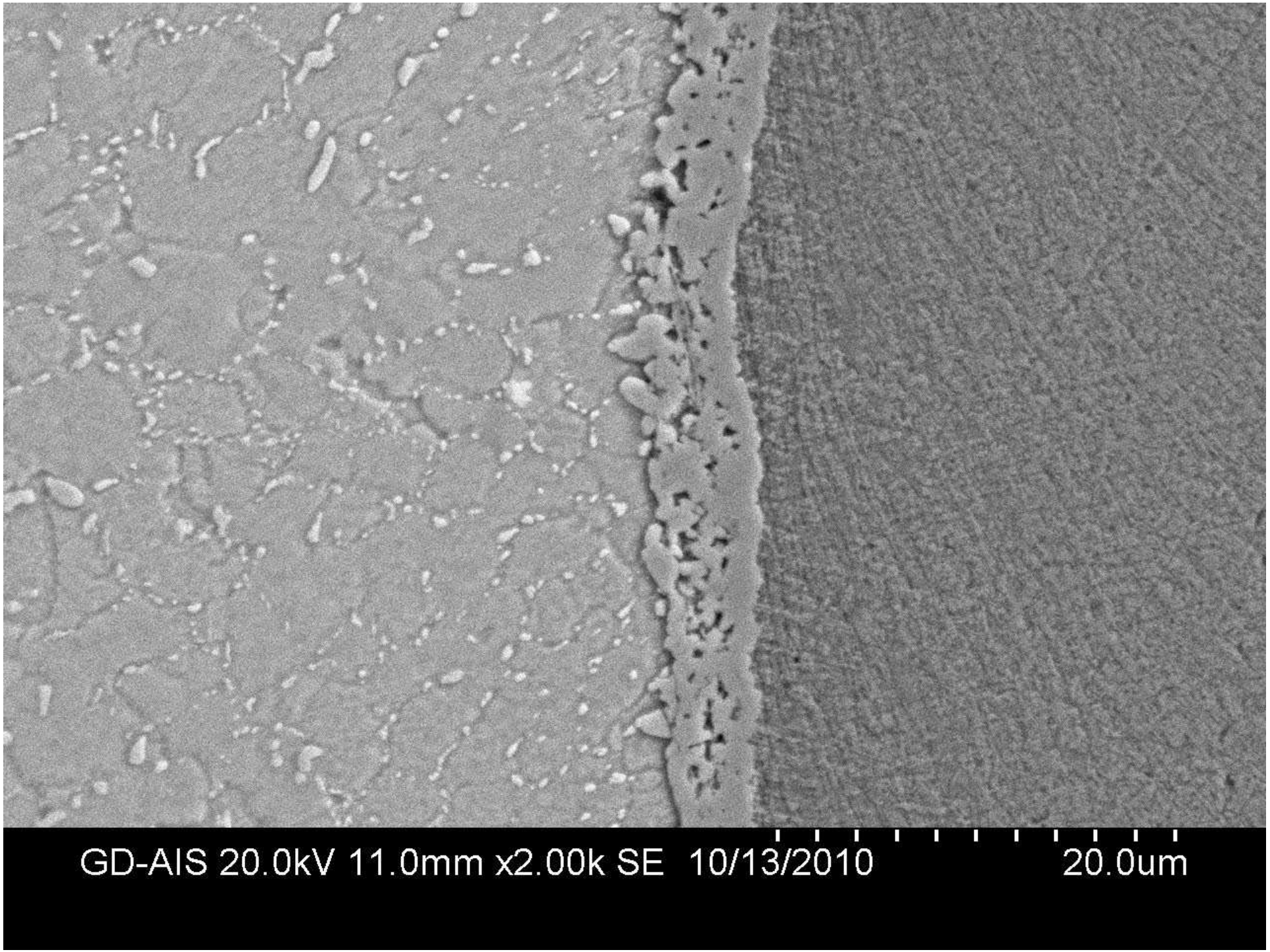

Left Side
COMPONENT
D=0.001156 in
D=0.001202 in
D=0.001200 in
PWB

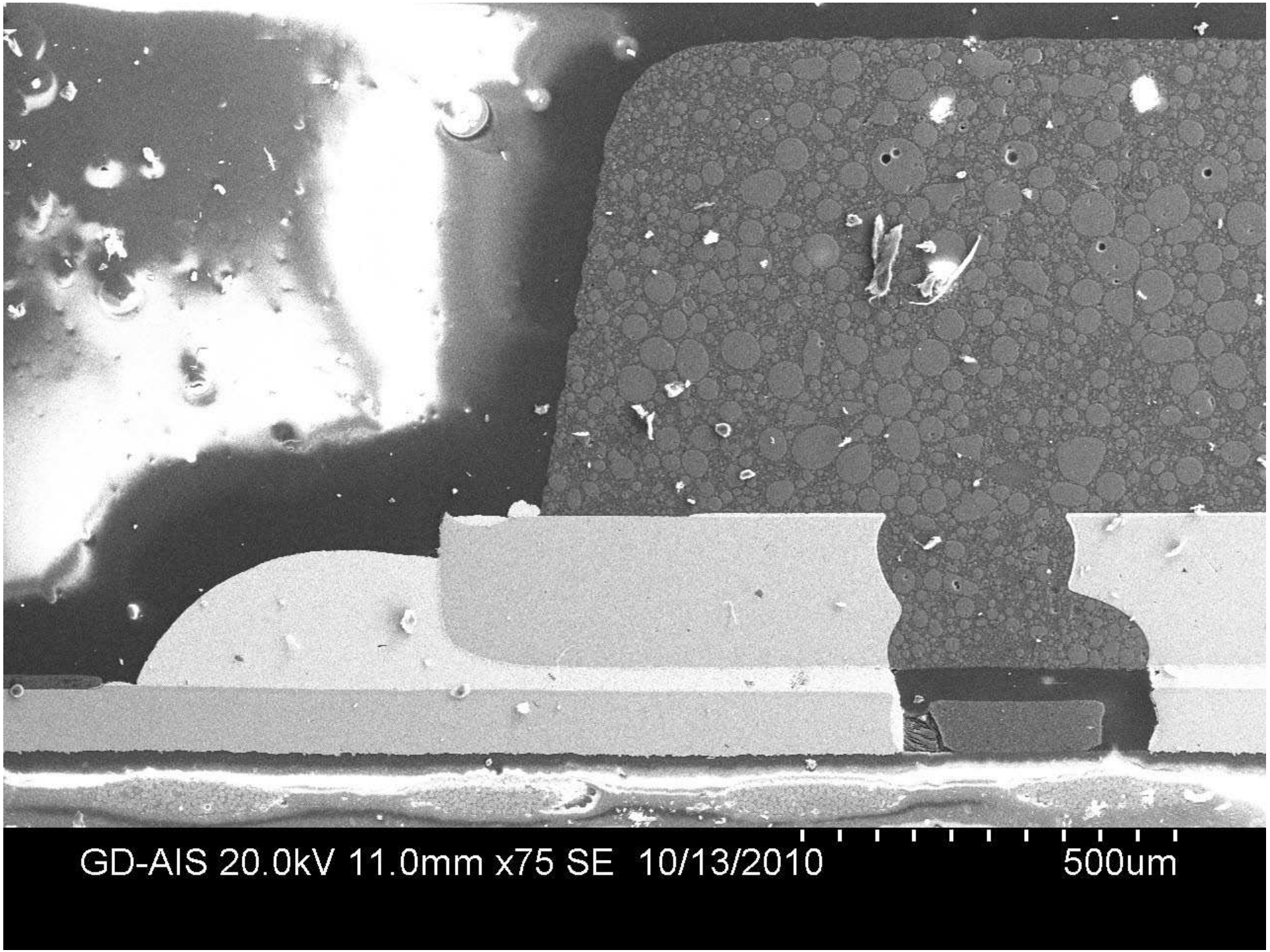

Left Side

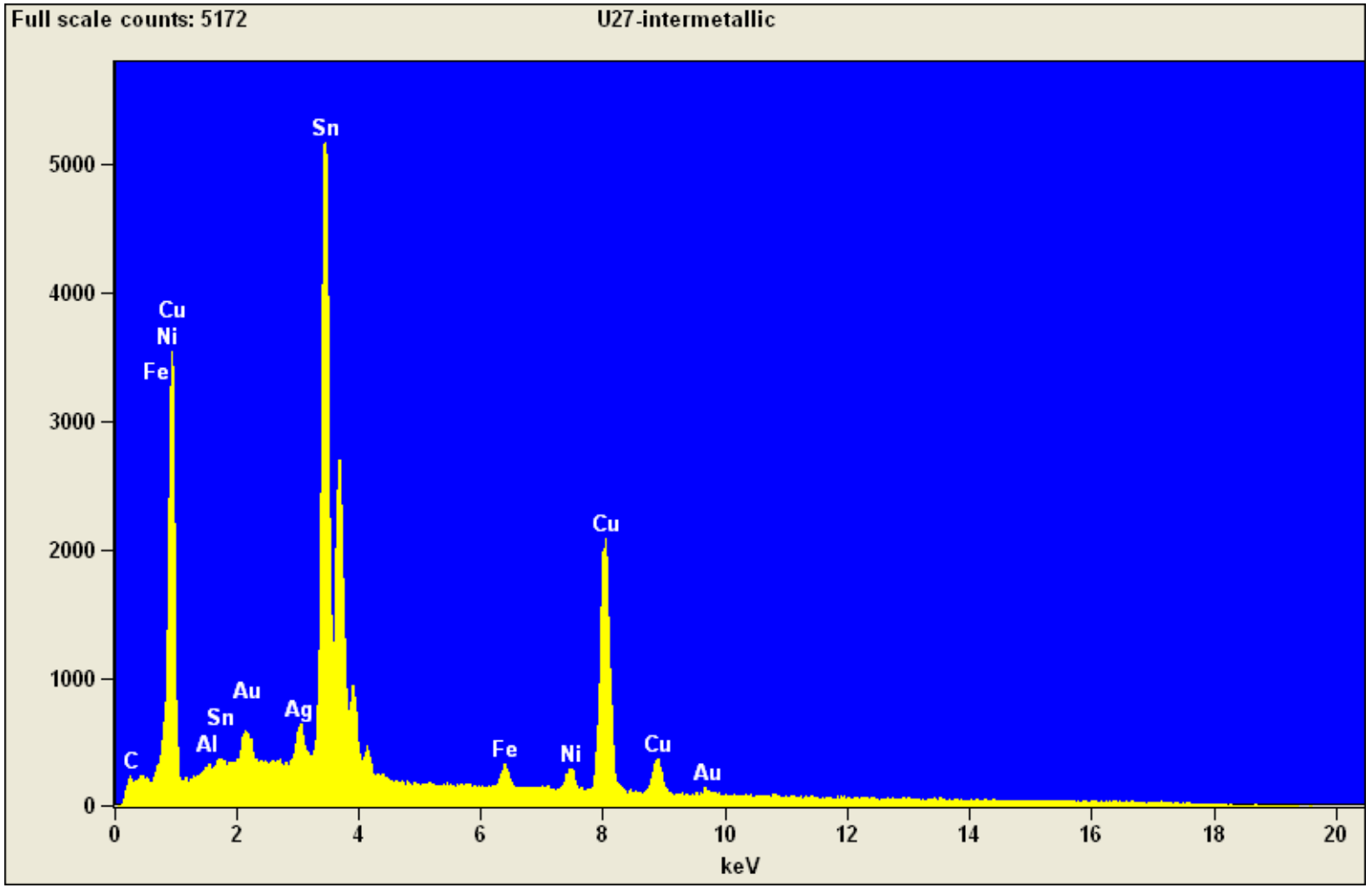

Right Side


COMPONENT
Right Side
D=0.001556 in
D=0.001711 in
D=0.001644 in
PWB




GD-AIS 20.0kV 11.0mm x2.00k SE 10/13/2010
20.0um


GD-AIS 20.0kV 11.0mm x75 SE 10/13/2010
500um



Quantitative Results for: U27-intermetallic

Element Line	Weight %	Atom %
Al K	0.24	0.77
Fe K	1.70	2.61
Ni K	2.47	3.61
Cu K	37.96	51.25
Ag L	1.53	1.22
Sn L	56.10	40.55
Total	100.00	100.00