

Evidence before release. Authorised, fully traceable supply remains the preferred route for critical electronic components. Where limited-traceability, obsolete, hard-to-find or open-market components must be considered, ASSURE+ provides a structured mitigation route through inspection, accredited testing and evidence-led review. This reduces counterfeit risk, provides inspection and test evidence and supports informed release decisions.

SERVICE LEVELS

- ✓ Included
- Where required / when necessary

STANDARD

Rapid screening with a short-form report

2-3 working days
typical turnaround

Certificate of Conformity
issued by Princeps



ADVANCED

Deeper technical assurance for higher-risk supply

5-7 working days
typical turnaround

AS6081
test methodology



FORENSIC

Bespoke investigation for critical & high-risk components

10 working days
typical turnaround

AS6171
test methodology · ISO/IEC 17025 lab



INCLUDED ACTIVITIES

	STD	ADV	FOR
Documentation / traceability review	✓	✓	✓
Packaging inspection	✓	✓	✓
External visual inspection	✓	✓	✓
High-magnification microscopy	✓	✓	✓
Marking permanence / solvent testing	✓	✓	✓
Surface texture / resurfacing assessment	✓	✓	✓
X-ray inspection	✓	✓	✓
XRF material analysis	✓	✓	✓
Decapsulation / delid & die inspection	✓	✓	✓
Manufacturer / datasheet research	✓	✓	–
Full Stage Zero research	–	–	✓
Bespoke AS6171 risk-based test plan (based on CDC tool outputs)	–	–	✓
Written technical interpretation	Short-form	Long-form	Extensive
FTIR analysis - Electrical testing, solderability, additional specialist testing	–	–	○

CUSTOMER OUTPUTS

	STD	ADV	FOR
Report format	Short-form	Full technical	Full forensic
ISO/IEC 17025 accredited report	–	–	✓
Full evidence appendix	–	–	✓
Images included	✓	✓	✓
X-ray images included	✓	✓	✓
XRF results included	✓	✓	✓
Decapsulation / die images included	✓	✓	✓
FTIR results - Solderability, electrical & additional specialist testing results	–	–	○
Pass / fail statement & recommendation	✓	✓	✓
Risk statement & customer action recommendation	–	✓	✓
Comparative analysis	–	✓	✓
“No evidence of counterfeiting identified within the scope of inspection” statement, where applicable	✓	✓	✓
Further testing recommendations where appropriate	✓	✓	✓