

4. Customer Audits

Customer	Audit Type (System / Process / Product)	Score (Percentage)	Rating

4.1 Patents

Does your company have own patents

Yes – Continue with a)

No – Continue with 5.

a) If yes, for which products or processes?

5. Capabilities

5.1 Which of these production processes are established?

THT Assembly and Lead-free Soldering
Single-sided SMT Assembly and Lead-free Soldering
Double-sided SMT Assembly and Lead-free Soldering
Mixed Assembly THT and SMT
BGA Assembly
Selective Soldering
Hand Soldering
Grouting
Functional Test
In-Circuit Test (ICT)
Flying Probe Test
X-Ray Test
Automated Optical Inspection (AOI)
Burn-in Test (Passive Burn-in)
Run-in (Active Burn-in)
Electronics Final Assembly
Mechanical Components Final Assembly
Cable Assembly (Flat and Round Cables)

5.2 Depenalisation

- V-Cut
- Milling
- Laser Cut

5.3 Which of these standards/ processes are established?

- Class 2; Dedicated Service Electronic Products IPC-A-610
- Requirements + Acceptance for Cable and Wire Harness Assemblies IPC/WHMA-A-620
- Rework, Modification and Repair of Electronic Assemblies IPC-7711/21
- Introduced and established "Copy Exact Process"
- Continuous ESD protection through all manufacturing steps including stock receipt, assembly, inspection, storage, shipment and repair
- Demand driven procurement
- Online access to stock list
- Production of Products that complies with RoHs Directive
- Knowledge of JIG 101B and JIG 201
- Production of Products that complies with REACH
- Are only conflict free materials used?

5.3 What are your core competences?

6. Quality and Environmental Management

6.1 Does your company have quality and environmental management system?

 Yes

Which one?

- ISO 9001:20XX
- IATF16949:20XX
- ISO 14001:20XX
- OHSAS 18001:20XX
- Others

Which one/s?

 No

Do you plan any certification?

- No
- Yes

Which one/s?

When?

Are all processes that are pertinent to your customers described and implemented throughout your company?

- No
- Yes

Which one/s?

6.2 Which labor equipment is available (CMM, Optical measuring instruments, leakage tests, cleanliness analysis, X-Ray, Compression Test, ...)

Labor equipment	Type/ manufacturer	Measuring accuracy

- 6.4 Have you installed a Continuous Improvement Process (CIP)? Yes No
- 6.5 Do you apply statistical process control (SPC) in your production? Yes No
- 6.6 Do you perform process FMEA? Yes No
- 6.7 Have you defined and implemented a process to manage and control non-conforming products? Yes No
- 6.8 Do you calibrate your test equipment and do you monitor this regularly? Yes No
- 6.9 Can you perform first article inspection (FAIs)? Yes No
- 6.10 Do you record and archive test results (if required) to ensure evidentiary documentation? Yes No
- 6.11 Do you mark non-conforming parts and control them as required, e.g. through separate storage? Yes No

7. Procurement / Logistics

- 7.1 Do you select your suppliers based on clearly defined processes and transparent criteria? Yes No
- 7.2 Do you include quality and environmental management requirements in your orders to your suppliers? Yes No
- 7.3 Do you do initial calculation for country of origin for your goods? Yes No
- 7.4 Do you deliver goods with confirmation of preferential origin? Yes No
- 7.5 How do you confirm preferential origin of goods? Yes No
 - Declaration of country of origin (COO) directly on the invoice as "Authorized exporter" with unlimited value Yes No
 - Declaration of country of origin directly on the invoice with limited value as "not authorized exporter" Yes No
 - Movement certificate (EUR1) Yes No
 - Any other certification to declare country of origin such as (from A, ATR, ...) Yes No
- 7.6 Do you apply logistics concepts such as Kanban, JIT, or such when working with you customers and/ or suppliers? Yes No
- 7.7 Do you have special work instructions for handling delicate products? Yes No
- 7.8 Do you measure, evaluate and communicate supplier performance (delivery On Time/ In Full (OTIF), Supplier Score Card)? Yes No

8. Production Process

- 8.1 Are production processes monitored and continuously improved in a suitable manner? Yes No
- 8.2 Are identified deviations and customer complaints analysed, and are corrective measures defined and implemented? Yes No
- 8.3 Are production processes / technologies subject to capability checks and qualification? Yes No
- 8.4 Have you implemented processes for the marking and traceability of your products? Yes No
- 8.5 Are you processing carbon steel and/or nonferrous metal, particularly copper or copper alloys? Yes No
- 8.6 Are you processing different materials with same tools and/ or machines? Yes No
- 8.7 Are there actions in place to avoid any cross-contamination (even particles e.g. with tools or liquid media) by carbon steel and/ or nonferrous material? Yes No
- 8.8 Are all required tests, checks and inspections planned and performed (incoming goods, production, shipping)? Yes No
- 8.9 Do you perform first article/ last article tests as well as tests during the production process? Yes No
- 8.10 Have you installed preventive maintenance for your equipment, machines and plants? Yes No

9. Engineering

9.1 Number of engineers:

9.2 Which CAD system do you use?

Type:
Version:

9.3 What data export format(s) do you use?
(Preferred = STEP; Parasolid):

Type:
Version:

- 9.4 Do you have in-house development activities/ facilities? Yes No
- 9.5 Do you have an in-house prototyping department? Yes No
- 9.6 Do you build your production devices/ equipment in-house? Yes No
- 9.7 Do you have an in-house tooling/ patterns/ mold shop? Yes No
- 9.8 Is your development process established according to ISO-26262? Yes No
- 9.9 What infrastructure is available at your site?

- Endurance Test Station
- Leakage Tests
- Material Tests
- Welding Seam Inspection

Other/s:

Please return the duly completed questionnaire by email to: purchasing@stiwa.com

To be completed by STIWA:

	Rating			Date	Name	Signature
	Suitable	Conditionally suitable	Not suitable			
Category Management						
SQE						
Process Specialist						
Optional						
Sample Part requested						
Remarks:						