Factsheet EMS

Our know-how for your product



Production lines

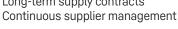
SMD lines (reflow)
THT wave and selective soldering
Partial and final assembly
Fast and highly flexible
High process reliability
Screw control
Poka-Yoke concepts
Press-fit technology, wet sealing
and more...

EMS stands for Electronics Manufacturing Services and refers to the complete contract manufacturing of electronic assemblies, devices and systems. From material procurement from material procurement and PCB assembly to the creation and realisation of complex test concepts and qualification through to logistics and after-sales service. We provide you with a complete all-round service throughout the product life cycle.



Supply Chain

Over 1,000 approved and certified suppliers
Direct manufacturer contact
Obsolescence/component management
Lifecycle and risk assessment of parts lists
Long-term supply contracts





Cleaning, potting and surface protection

Potting of complete modules Potting directly into power electronics housings Inline painting for high quantities Water-resistant coating in accordance with aviation standard DO160-G (Cat Y and Cat W)



Service

After-Sales-Services Traceability Global Procurement Warehouse and logistics



Test procedure

SPI: 3D solder paste inspection AOI and AXI: Automatic optical inspection and X-ray inspection Flying Prober ICT and boundary scan Insulation resistance measurement Dielectric strength test Function test



Certification

EN 9100 including ISO/EN/DIN 9001 ISO 14001 / 50001 Federal Motor Transport Authority (KBA) EASA Part-21 (Subpart G) EASA Part-145 for repair US standard FAR-145



Software applications

Xpedition Enterprise Xpedition EDM Supply Chain Supplyframe Valor NPI & PP



Industrialisation

Design to manufacture Cost-optimised Manufacturability Fast lead time Focus on quality



Test development

Define test strategy
Test coverage analysis
Test programming and error
elimination
Development of test adapters
Development of functional tests
(HW+SW)
Reporting, tracing of test data
test data



Subject to change LED-EMS-FCT31_01_01.01.2024_en

