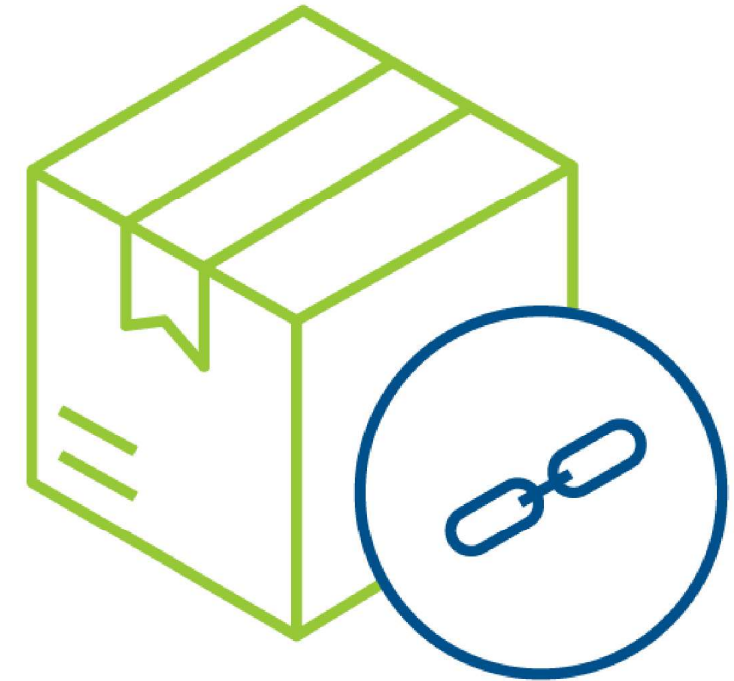


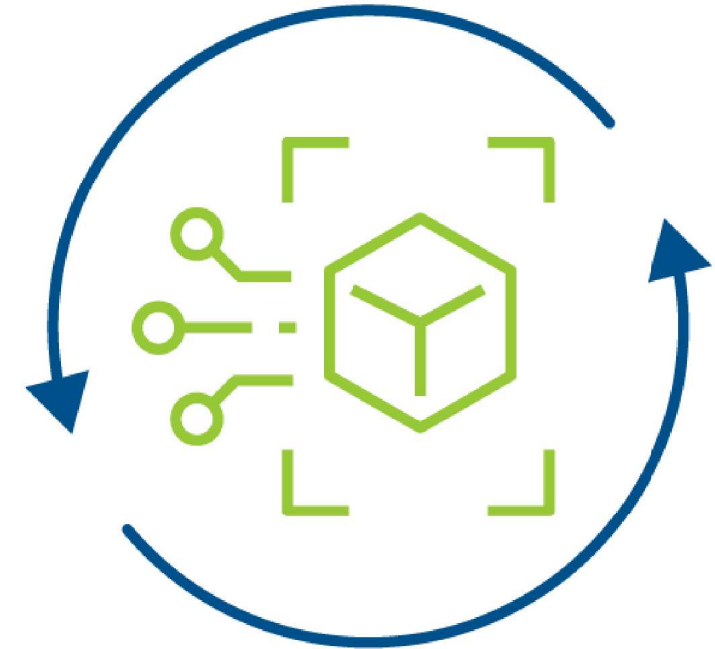
SUPPLY CHAIN RESILIENCY AND AGILITY

- Fabless production strategy for standard products
- Fast production ramp-up and scalability with global EMS network
- Ability for localized manufacturing (de-globalization) where required
- Key components are sourced and managed by Toradex
- Multi-sourcing strategy
- Proven track record with good shipping ability through Corona/supply chain crisis



PRODUCT LIFECYCLE, LOGISTICS & INVENTORY MANAGEMENT

- Enhanced PCN and obsolescence management on component and finished goods level
- Safety stock concept on critical raw materials
- Make to Stock (MTS) manufacturing strategy for most products (highest shipping ability)
- Inventory planning through MRP and integration with manufacturing partners (EMS)
- Global warehouse setup with internal and external warehouses with full ERP/WMS integration
- Monitored KPIs: Shipping Ability, Shipping Reliability



QUALITY MANAGEMENT SYSTEM

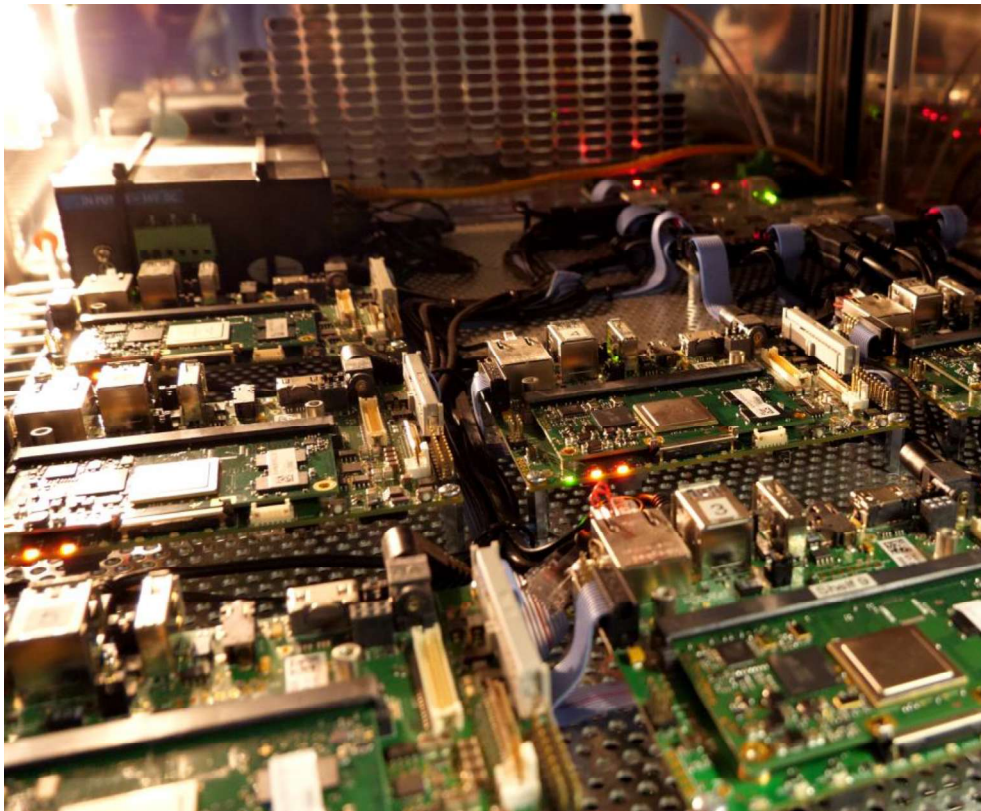
- ISO 9001:2025 certified
- All manufacturing partners (EMS) are ISO9001:2015 and ISO13485:2016 certified
- Supplier control: Annual audits, quarterly business/performance reviews
- Very low return rate <200dppm (defective parts per million)
- Monitored KPIs: Defective parts per million (DPPM) per product, Non-conforming material report (NCMR) rate per supplier
- Anti-Counterfeiting process for components



TESTING EXCELLENCE

RELEASE TESTING

- In-house design verification and validation on each design change with automated test infrastructure, including climate chamber testing, eMMC stress testing, etc.



TESTING EXCELLENCE

PRODUCTION TESTING

- 100% automated optical inspection (AOI) and functional test (FCT) after manufacturing



TESTING EXCELLENCE

PRODUCTION TESTING

- 100% of our SOMs and carrier boards undergo a functional test (FCT) with tracked results in log files
- The FCT provides a very high test coverage:
 - 100% of all core functionality
 - >90% of all signal connections
 - >90% of all interfaces
 - Including booting the final shipping configuration from internal flash
- Full test log is stored for each individual device, including detailed Linux boot logs.

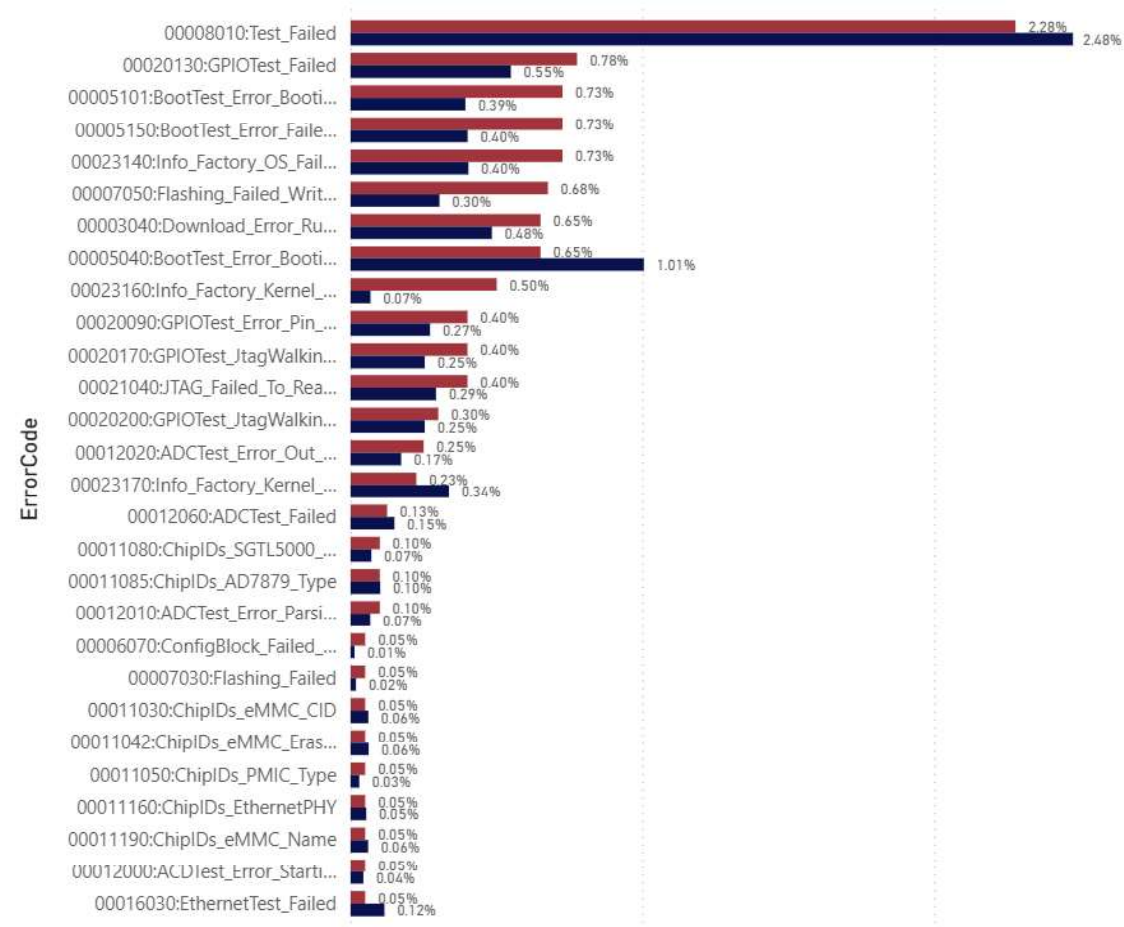
```
1 <00000040><04:48:30.525> Info: SomFCT Software Version: 1.80.3431-20221216
2 <00000030><04:48:30.531> Info: FPGA: \Network\fctbin\bin_FCT\FPGA\fct_top.bit
   Build: 1/24/2018 Version: 18
3 <00000060><04:48:30.539> Info: Tester: 023
4 <00000090><04:48:30.545> Info: Tester controller module (Apalis T30 2GB):
   0025110106573197
5 <00000070><04:48:30.551> Info: Tester fixture serial number : 014411000000014
6 <00000080><04:48:30.557> Info: Tester adapter (SOM FCT Colibri Adapter):
   0145100000000591
7 <00000140><04:48:30.563> Info: Insertion count: 112
8 <00000100><04:48:30.567> Info: Site: B
9 <00000050><04:48:30.573> Info: Test Start Time: 2023-01-17 04:48:30
10 <00000150><04:48:30.576> Info: Using Serialport BaudRate: 115200 StopBits: One
   Parity: None
11 <00000210><04:48:30.580> Info: File \Network\fctbin\bin_FCT\CM\unmanaged.dll
   version: 1.80.3431-20230116
12 <00000180><04:48:30.603> Info: DUT.ini file version: 2.0.11950
13 <00000190><04:48:30.604> Info: Site.ini file version: 2.0.0
14 <00000200><04:48:30.606> Info: Tester_ALL.ini file version: 2.0.0
15 <00009010><04:48:32.115> Info: Voltage And Current Start
16 <00022000><04:48:32.181> Dbg: activate reset. fSuccess=True
17 <00022000><04:48:32.187> Dbg: Turning on rail_33V_BAT_DAC_OUT. fSuccess=True
18 <00009020><04:48:32.216> Info: i_bat_off = 109e-6 [A]
19 <00022000><04:48:32.222> Dbg: Verify rail_CM_BAT_CURRENT. fSuccess=True
20 <00022000><04:48:32.351> Dbg: Turning on rail_33V_AUDIO. fSuccess=True
21 <00022000><04:48:32.466> Dbg: Turning on rail_33V_M. fSuccess=True
22 <00022000><04:48:32.970> Dbg: Releasing Reset. fSuccess=True
23 <00009210><04:48:34.505> Info: Voltage And Current Passed
24 <00003060><04:48:34.520> Info: Download Start
25 <00004000><04:48:37.219> Info: DUTPower Powering DUT in Recovery mode
26 <00003160><04:48:37.734> Info: DUT is in Recovery Mode
27 <00003030><04:48:37.744> Info: Starting to download U-Boot
28 <00000210><04:48:37.755> Info: File \Network\fctbin\bin_FCT\CM\imxloader.dll
   version: 1.80.3431-20230116
29 <00003032><04:48:37.767> Dbg: USB Download to 0x0: \Network\fctbin\
   \bin_DUT\ColibriImx7\TestingImage.EMMC\u-boot.imx-emmc
30
31
```



TESTING EXCELLENCE

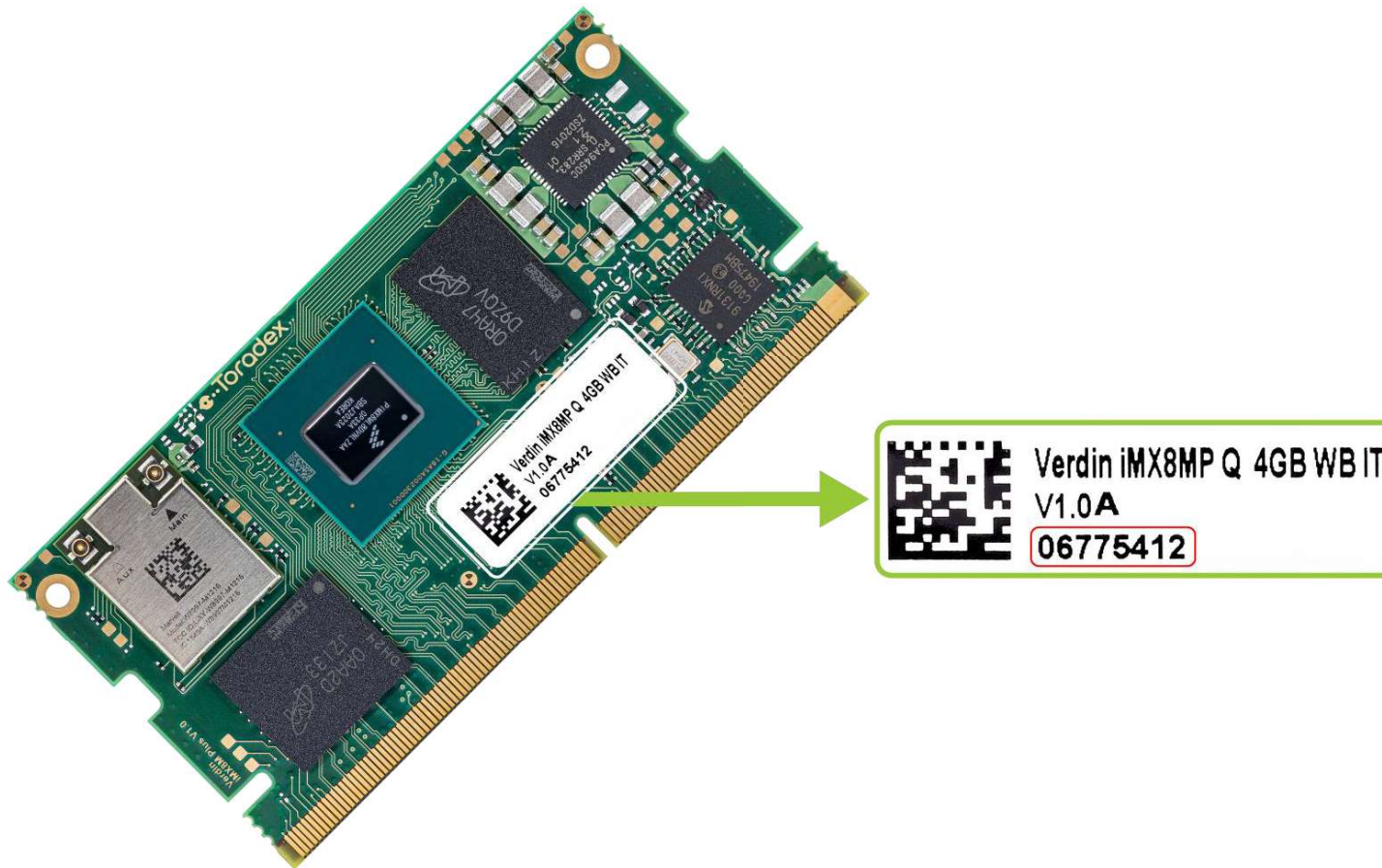
PRODUCTION TESTING

- Live KPIs: First Pass Yield (FPY), Statistical process control (SPC)



TRACEABILITY

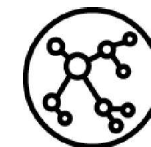
- Functional test log and logistics traceability by serial number with ERP integration



COMPLIANCE & SUSTAINABILITY



- **Product Compliance:** Toradex's semi-finished products do comply with applicable industrial environmental and safety standards.
 - RoHS
 - REACH
 - Conflict Minerals
 - Proposition 65
- **ITAR compliant manufacturing sites**
- **Export Compliance program**



COMPLIANCE & SUSTAINABILITY

- **ESG: EcoVadis rating:**

Toradex's rating places the company among the top 22% of businesses assessed worldwide, reflecting its effective sustainability management system and ongoing dedication to enhancing its environmental and social impact.

