

Test- and Quality-Specification for MSP430-Development-Tools

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1. Test Requirements:

TI expects the supplier to take full responsibility of production testing of the MSP430-Development-Tools with assistance from TI.

Based on the manufacturing documents provided by TI and the test facilities available at the supplier, the supplier should compile a test specification regarding PCB testing and firmware programming where required. TI will review the test specification in terms of test coverage and quality.

Selection of the test method is up to the supplier, it can be either in-circuit, flying probe or functional testing or a combination of all.

After production test, a final application test which shows the basic functionality should be applied.

The test system should log below information for each unit tested:

- lot number
- time and date
- revision number of test-software
- serial number of DUT (where applicable)
- revision number of firmware to be programmed on DUT (where applicable)

2. Quality Requirements:

To ensure the highest product quality possible, full traceability of all production lots should be achieved. This requires detailed documentation of each production step.

Assembled PCBs should carry a sticker which shows the lot number, week and year of assembly and the ID of the test operator. As far as PCBs are mounted in enclosures, the same information should be displayed at the bottom of the enclosure.

The kit should contain a kitting list which is signed by the kitting operator indicating completeness of the kit.

The kit box should carry a label at the bottom side which shows the TI product name, date of kitting, RoHS logo, the vendor's lot trace code and TI's PO-Number.



PCBs must be lead free (RoHS conform) and should carry a RoHS symbol.

PCBs must show the UL-Symbol of the PCB manufacturer.

The units should be shipped from vendor to TI warehouses according to below rules:

- per shipment only one specific product type should be included
- each shipment should be indicated by email to involved TI personnel
- matching of actual kit content and the vendor's label should be checked and documented on the lot traveler.