

Toradex Counterfeit Parts Prevention Policy

Toradex recognizes that counterfeit components pose a serious threat to the electronics industry and its end customers.

Toradex has implemented the following policy to preclude introduction of counterfeit electrical, electronic, and electromechanical (EEE) parts into our supply chain and assembly of such items on our products.

Procurement from authorized sources

Our policy is to procure new and authentic EEE parts from authorized sources for our products. Authorized sources are either Original Component Manufacturers (OCM) or OCM-authorized suppliers. We specify the authorized sources where our Electronic Manufacturing Service (EMS) partners may purchase EEE parts.

Procurement from other sources

If components cannot be obtained from traceable sources, Toradex will use verified suppliers and take measures to minimize the risk of suspected or confirmed counterfeit parts entering the market:

If the supplier cannot prove that the parts are bought from an authorized source, we will proceed as follows:

External Testing:

- We will send the EEE components to a qualified test house for testing and will be assessed according to AS6081 standard, which includes:
 - Documentation and Packaging Inspection
 - External Visual Inspection
 - X-ray (XRF)
 - Standard X-ray Analysis
 - Heated Solvent Test
 - Decapsulation and Die Analysis
 - Electrical Test

Testing at Toradex EMS supplier:

- X-ray to compare the inside of the components with the inside of the components we bought from authorized sources.
- Functional test on the assembled board.

Internal testing Toradex:

- We will check the lot and date code with the manufacturer.
- In some cases, we will assemble a sample batch to do a detailed functional test.

Risk assessment:

We only use long-standing and well-known networks for sourcing EEE parts. We assess the likelihood of receiving a counterfeit part from the supplier, considering geographic location, professionalism and expertise in communication, certificates of conformity, membership in professional associations, quality ranking, our internal history with the supplier, supplier's online profile, images of EEE parts and packaging, completeness of information and documentation.

Reporting

If we discover suspect or confirmed counterfeit parts they will be immediately identified and segregated. Suppliers of suspected or confirmed counterfeit parts will be contacted and confronted with our discoveries.

We report suppliers of counterfeit parts to the manufacturer, component sourcing networks and databases, applicable government authorities, and/or industry-supported reporting programs.

For more information, please contact: quality-assurance@toradex.com

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