



EVERY  
CONNECTION  
COUNTS

## **RoHS 2 TECHNICAL FILE**

**PN: 644753-7**

*Form: PC120712-01*

*Version 7 - 18 December 2012*

•This technical file contains following sections :

### 1. PRODUCT IDENTIFICATION

- description
- list of components
- list of suppliers
- applicable EEE category
- applicable exemptions
- picture (optional)

### 2. RISK ASSESSMENT

- risk assessment methodology
- material risk
- supplier risk
- part noncompliance risk
- recommended level of technical documentation

### 3. EVALUATION

- evaluation of documentation
- evaluation criteria
- compliancy confirmation

### 4. REFERENCES

- International Standards
- EU documents
- TE Connectivity documents

### 5. OVERVIEW TABLE

## 1. PRODUCT IDENTIFICATION

### DESCRIPTION

part number(s) **644753-7**  
part description **07P MTA156 HDR ASSY RN STR F/L**

### LIST OF COMPONENTS

All components are listed in the overview table of this technical file.

### LIST OF SUPPLIERS

All suppliers are listed in the overview table of this technical file.

### APPLICABLE EEE CATEGORY

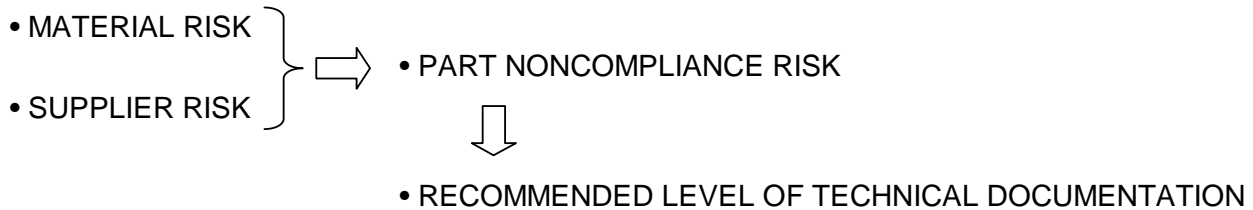
1. Large Household Appliances

### APPLICABLE EXEMPTIONS (if any)

### PICTURE (optional)

## 2. RISK ASSESSMENT

### RISK ASSESSMENT METHODOLOGY



### MATERIAL RISK

- All TE Connectivity parts are categorized in commodity codes. All these commodity codes were evaluated by an internal material expert team and assigned a LOW-MEDIUM-HIGH material risk.
- This LOW-MEDIUM-HIGH material risk evaluation is documented in the overview table of this technical file.
- Business Units (BU) have the opportunity to override this default material risk, based on :
  - BU specific implementation of TE's corporate compliance validation specification TEC-138-703
  - or BU specific compliance procedures
  - or detailed material knowledge of the evaluated component.
- Requirements for BU override of material risk :
  - although BU specific assessment procedures and scoring systems may differ, in the end all scores are to be transferred to a LOW-MEDIUM-HIGH material risk evaluation that can be documented in the overview table
  - any material risk override needs to be explained by a comment in the overview table.

## SUPPLIER RISK

- All TE Connectivity suppliers are assigned a LOW-MEDIUM-HIGH supplier risk, using several measurement criteria as indicators for supplier's capabilities to manage hazardous substance content of their products.
- This LOW-MEDIUM-HIGH supplier risk evaluation is documented in the overview table of this technical file.
- Business Units (BU) have the opportunity to override this default supplier risk, based on :
  - BU specific implementation of TE's corporate compliance validation specification TEC-138-703
  - or BU specific compliance procedures
  - or available supplier audit results
- Requirements for BU override of supplier risk :
  - although BU specific assessment procedures and scoring systems may differ, in the end all scores are to be transferred to a LOW-MEDIUM-HIGH supplier risk evaluation that can be documented in the overview table
  - any supplier risk override needs to be explained by a comment in the overview table.

## PART NONCOMPLIANCE RISK

- The PART NONCOMPLIANCE RISK combines the material risk evaluation and the supplier risk evaluation into an overall LOW-MEDIUM-HIGH part noncompliance risk ranking.
- The material risk is the main driving factor for the PART NONCOMPLIANCE RISK, with a beneficial influence for trustworthy suppliers.

PART NONCOMPLIANCE RISK		SUPPLIER RISK			
		LOW	MEDIUM	HIGH	
<b>MATERIAL RISK</b>	<b>LOW</b>	⇒	LOW	LOW	LOW
	<b>MEDIUM</b>	⇒	LOW	MEDIUM	MEDIUM
	<b>HIGH</b>	⇒	LOW	MEDIUM	HIGH



### **3. EVALUATION**

#### **EVALUATION OF DOCUMENTATION**

- All technical documentation needs to be evaluated whether :
  - the document is of sufficient quality to be used, and
  - actually confirms the required compliancy with the substance restrictions of RoHS2.

#### **EVALUATION CRITERIA**

- Following is a non-exhaustive list of criteria to take into account for the evaluation of supplier answers and/or test reports :
  - clear identification of supplier or test lab / letterhead
  - date of answer/test report
  - location of test lab and name of tester
  - clear product identification
  - applicable legislation stated
  - analytical test method used for the test
  - ISO 17025 certification of test lab
  - description of the conclusion of the testing / confirmation that all results do meet the substance restrictions limits
  - no unacceptable waiver statements
  - contact for further information
  - signature

#### **COMPLIANCY CONFIRMATION**

- For each component, the result of this compliancy check is documented, by including the following information in the overview table :
  - result of the quality/compliance check (Compliant or Not OK)
  - name of the evaluator who performed the quality/compliancy check
  - date of the quality/compliancy check

## 4. REFERENCES

### International Standards

- ISO 9001 Quality Management Systems - Requirements
- IECQ QC080000 Electrical and Electronic Components and Products Hazardous Substance Process Management System Requirements

### EU documents

- Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment
- EN 50581 (2012) : Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

### TE Connectivity documents

- TE Quality Policy (TEC-11-01)
- TE Product Environmental Compliance Policy ( TEC-16-01)
- TE Global Quality Management System (TEC-1000)
- TE Product Environmental Compliance Processes flowchart
- TE Product Compliance Validation Specification (TEC-138-703)







