



EVERY  
CONNECTION  
COUNTS

## RoHS 2 TECHNICAL FILE

**PN: 2073289-1**

*Form: PC120712-01*

*Version 7 - 18 December 2012*

## CONTENT

•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

product group	<b>CCAO Mobile &amp; Consumer Electronics</b>
type	
serial number	
batch	
part number(s)	<b>2073289-1</b>
part description	<b>TEL CABLE DONGLE GRAY</b>

### 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

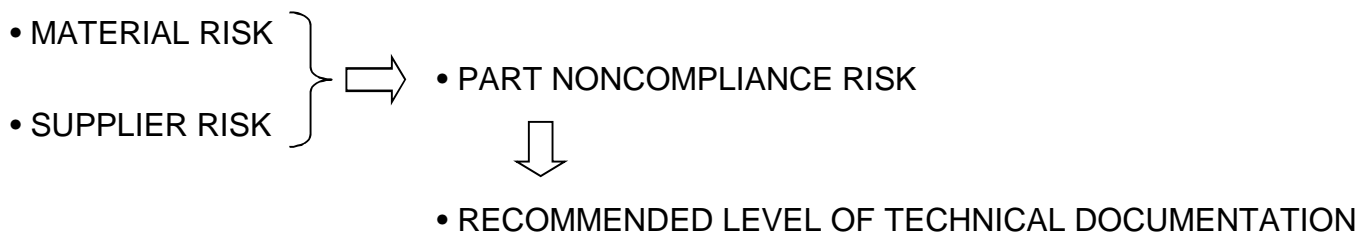
3. IT and Telecommunications Equipment

### 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
MATERIAL RISK	LOW	⇒ LOW	⇒ LOW	⇒ LOW
	MEDIUM	⇒ LOW	⇒ MEDIUM	⇒ MEDIUM
	HIGH	⇒ LOW	⇒ MEDIUM	⇒ HIGH

## RECOMMENDED LEVEL OF TECHNICAL DOCUMENTATION

- The different levels of the PART NONCOMPLIANCE RISK (low-medium-high) determine the RECOMMENDED LEVEL of TECHNICAL DOCUMENTATION to be established for documenting the part's compliance with the RoHS substance restrictions :
  - LOW part noncompliance risk : - generic supplier Statement of Compliance (SoC)
  - MEDIUM part noncompliance risk : - part specific supplier Statement of Compliance (SoC)
  - HIGH part noncompliance risk : - supplier Material Declaration (MD)  
or  
- test report
- The recommended technical documentation for every part is documented in the overview table of this technical file.

RECOMMENDED MINIMUM DOCUMENTATION LEVEL		SUPPLIER RISK		
		LOW	MEDIUM	HIGH
MATERIAL RISK	LOW	⇒ Generic Supplier Compliance Response	Generic Supplier Compliance Response	Generic Supplier Compliance Response
	MEDIUM	⇒ Generic Supplier Compliance Response	Part Specific Supplier Response	Part Specific Supplier Response
	HIGH	⇒ Generic Supplier Compliance Response	Part Specific Supplier Response	Supplier Material Declaration or Test Report - supplier - TE internal - 3rd party

### 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)



## 5. OVERVIEW TABLE

Accepted

Kiwi Lee

21-Dec-12

[illegible]