



EVERY
CONNECTION
COUNTS

RoHS 2 TECHNICAL FILE

IR-550 INFRARED HEATING TOOL

All black text is written as generic as possible and is intended to be ready for use in your technical file.

All red italic text provides extra instructions and is intended to be deleted in your technical file.

CONTENT

•This technical file contains following sections :

1. PRODUCT IDENTIFICATION

- description
- picture (optional)
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PRODUCT IDENTIFICATION

DESCRIPTION

IR-550 Infrared Heating Tool

GPL 729

TECHNICAL SPECIFICATION

IR-550-300-Mark-III-CE

Power Supply

230 Vac, 3A, 50Hz

Maximum Cycle Time

90 Seconds

Duty Cycle

80 Percent maximum recommended

Dimensions WxHxL

Control Box

152.4 x 120.65 x 219.96mm

Tool

114.3 x 209.55 x 249.17mm

Weight

4.8Kg

Description

PCN

IR-550-300-Mark-III-CE

C66438-000

IR-550-24-RG-2

Reflectors

Solder Sleeve Reflector, (3/4" / 19.05mm) – Supplied with tool

993770-000

IR-550-19-RG-6

Nose Cone Reflector, large diameter Solder Sleeve products

994590-000

- Supplied with tool

PICTURE (optional)



TECHNICAL FILE IS HELD BY:
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Tyco Electronics Corporation

- *Select/add/delete whatever descriptive categories are useful to describe the product(s) covered by this technical file.*
- *Make sure that identification info matches with the identification info provided on the Declaration of Conformity.*

LIST OF COMPONENTS

All components are listed in the overview table.

LIST OF SUPPLIERS

All suppliers are listed in the overview table.

APPLICABLE EEE CATEGORY

6.electrical and electronic tools

- *list applicable EEE category the product belongs to (see Annex 1 of Directive 2011/65/EU)*

APPLICABLE EXEMPTIONS (if any)

- *list applicable exempted substance applications*



RISK ASSESSMENT

GENERAL APPROACH

- TE Connectivity considers following levels of technical documentation, ranked by effectiveness :
 1. internal or third party test reports
 2. full material declarations (FMD)
 3. part specific statements of compliance (SoC)
 4. generic statements of compliance *not used by TE*
 5. generic contractual agreements *not used by TE*
- TE Connectivity is never relying on generic contractual agreements or generic statements of compliance to fulfill technical documentation requirements.
- The necessity of a detailed risk assessment will be based on the availability of test data :
 - if TE already has test data available : no need for a detailed risk assessment; the test data, being the highest possible level of documentation, will be used by default.
 - if TE has no test data available : a detailed risk assessment, as described below, will determine the required technical documentation.

DETAILED RISK ASSESSMENT METHODOLOGY

- MATERIAL RISK + SUPPLIER RISK ⇒ PART INCOMPLIANCE RISK ⇒ REQUIRED TECHNICAL DOCUMENTATION
- The different building blocks of this methodology are explained below.

RISK ASSESSMENT (continued)

MATERIAL RISK

- Following TE's corporate compliance validation specification TEC-138-703 or Business Unit specific compliance specifications, TE Business Units evaluate their material risk.
- Although assessment procedures and scoring systems may differ between BU's, in the end all scores are to be transferred to a low - medium - high material risk evaluation.
- This material risk evaluation for every part is documented in the overview table.

SUPPLIER RISK

- Following TE's corporate compliance validation specification TEC-138-703 or Business Unit specific quality, supplier auditing or compliance specifications, TE Business Units assess their supply chain and evaluate their suppliers.
- Although assessment procedures and scoring systems may differ between BU's, in the end all scores are to be transferred to a low - medium - high supplier compliance risk evaluation.
- This supplier compliance risk evaluation for every supplier is documented in the overview table.

RISK ASSESSMENT (continued)

PART INCOMPLIANCE RISK index (PIR-index)

- The PIR-index combines the material risk evaluation and the supplier risk evaluation into an overall low-medium-high part incompliance risk ranking.
- The material risk is the main driving factor for the PIR-index, with a beneficial influence for trustworthy suppliers.

PIR-index			SUPPLIER COMPLIANCE RISK EVALUATION		
			LOW	MEDIUM	HIGH
MATERIAL RISK EVALUATION	LOW	↔	LOW	LOW	LOW
	MEDIUM	↔	LOW	MEDIUM	MEDIUM
	HIGH	↔	LOW	MEDIUM	HIGH

- The PIR-index for every part/supplier-combination is documented in the overview table.

RISK ASSESSMENT (continued)

REQUIRED LEVEL OF TECHNICAL DOCUMENTATION

- Different levels of technical documentation, ranked by effectiveness, are :

1. internal or third party test reports
2. full material declarations (FMD)
3. part specific statements of compliance (SoC)
4. generic statements of compliance
5. generic contractual agreements

not used by TE

not used by TE

- TE Connectivity is never relying on generic contractual agreements or generic statements of compliance.
- The PIR-index (material risk X supplier risk) determines the required level of technical documents for documenting the part's compliance with the RoHS substance restrictions.

required MINIMUM level of technical documentation		SUPPLIER RISK		
		LOW	MEDIUM	HIGH
MATERIAL RISK	LOW	⇨ supplier SoC	supplier SoC	supplier SoC
	MEDIUM	⇨ supplier SoC	supplier FMD or supplier test report	supplier FMD or supplier test report
	HIGH	⇨ supplier SoC	supplier FMD or supplier test report	internal or 3rd party test report

- The required technical documentation for every part is documented in the overview table.

EVALUATION OF DOCUMENTATION

PRINCIPLE

- All technical documentation needs to be evaluated whether the document is of sufficient quality to be included and can be used to confirm that the component meets the substance restrictions of RoHS2.
- The evaluation is documented in the overview table.

EVALUATION CRITERIA

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

REFERENCES

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 corporate compliance documents

- TEC-138-703 : Product Compliance Validation Specification

IDENTIFICATION			TEST RESULTS AVAILABLE ?
MATERIALS		SUPPLIERS	yes = no RA(*)
TE part number	part description	supplier name	no = RA needed
C66438-000	IR-550-300-Mark-III-CE	TE MENLO	NO
993770-000	Solder sleeve reflector	TE MENLO	NO
994590-000	Nose cone reflector large	TE MENLO	NO
F95969-000	220/230 500W Lamp	TE MENLO	NO
118902-000	Lamp Filter	TE MENLO	NO
F91912-000	Foot Switch Assembly	TE MENLO	NO
007510-000	Viewing Window	TE MENLO	NO
C33802-000	Button, Large, Black	TE MENLO	NO
576297-000	PC Board	TE MENLO	NO
993770-000	RG-2 Reflector	TE MENLO	NO
994590-000	RG-6 Reflector	TE MENLO	NO
F61921-000	Inner Reflector	TE MENLO	NO
		TE MENLO	NO

