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**TT Electronics – IRC RoHS Compliance Statement**

**Directive 2011/65/EU of the European Parliament and of the Council  
of 8 June 2011**

IRC products do not exceed the RoHS thresholds for cadmium, mercury, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs). IRC has available upon request IPC-1752-I forms for all RoHS compliant components. IRC follows the JEDEC standards per JIG101 Material Declaration Guide.

The IRC part numbers that include “LF” indicate the product is RoHS compliant. Where they are compliant by exemption they are noted accordingly.

LRC’s “LF” components are Pb-Free solder process compatible except where noted on page 2.

In addition to RoHS compliant product, IRC continues to offer products with SnPb terminations for high reliability and military markets.

Any questions regarding IRC RoHS compliance may be addressed to your factory sales representative.

Rudy Munoz  
Quality Manager



A subsidiary of TT electronics plc

Product Family	Model	Eu RoHS Exemp #	Description
CHC	CHC or BGA		Ceramic Ball Grid Term. Array
DIP	198XLF		14 Pin DIP Network
	199XLF		16 Pin DIP Network
FP	898XLF		14 Pin Flat Pack Network
	898XLF		16 Pin Flat Pack Network
GUS	QS0XLF		20 Lead QSOP Network
	QS7XLF		14 Lead QSOP Network
	QS8XLF		16 Lead QSOP Network
	QSCXLF		24 Lead QSOP Network
	SL8XLF		16 Lead Wide SOIC
	SL0XLF		20 Lead Wide SOIC
	SLCXLF		24 Lead Wide SOIC
	SS4XLF		8 Lead Narrow SOIC
	SS7XLF		14 Lead Narrow SOIC
	SS8XLF		16 Lead Narrow SOIC
HVC	HVC1206LF	7(c)-I	High Voltage Chip Resistor
	HVC2010LF	7(c)-I	High Voltage Chip Resistor
	HVC2512LF	7(c)-I	High Voltage Chip Resistor
LRC	LR1206LF	7(c)-I	Thick Film Current Sense
	LR2010LF	7(c)-I	Thick Film Current Sense
	LR2512LF	7(c)-I	Thick Film Current Sense
	LRF1206LF		Thick Film Current Sense
	LRF2010LF		Thick Film Current Sense
	LRF2512LF		Thick Film Current Sense
	LRF3WLF	7(c)-I	3 Watt Current Sense
	LRZ1206LF		Ultra Low Resis Jumper
	LRZ2010LF		Ultra Low Resist Jumper
	LRZ2512LF		Ultra Low Resist Jumper
LVC	LVC0402LF		Mini Current Sense Resistor
	LVC0603LF		Mini Current Sense Resistor
	LVC0805LF		Mini Current Sense Resistor
	LVC1206LF		Mini Current Sense Resistor
	LVC2010LF		Mini Current Sense Resistor
	LVC2512LF		Mini Current Sense Resistor
PCF	PCF0402LF		Precision Nichrome Chip
	PCF0603LF		Precision Nichrome Chip
	PCF0805LF		Precision Nichrome Chip
	PCF1206LF		Precision Nichrome Chip
	PCF1210LF		Precision Nichrome Chip

Product Family	Model	Eu RoHS Exemp #	Description
PFC	W0402LF		Precision Thin Film Chip
	W0603LF		Precision Thin Film Chip
	W0805LF		Precision Thin Film Chip
	W1206LF		Precision Thin Film Chip
PWC	PWC0805LF	7(c)-I	Pulse Withstanding Chip
	PWC1206LF	7(c)-I	Pulse Withstanding Chip
	PWC2010LF	7(c)-I	Pulse Withstanding Chip
	PWC2512LF	7(c)-I	Pulse Withstanding Chip
RC	RC55LF		Precision Metal Film Resistor
	RC65LF		Precision Metal Film Resistor
SCW	SC3LF		3 Watt Chip Resistor
SIP	476XLF		6 Pin SIP Network
	478XLF		8 Pin SIP Network
	4701XF		10 Pin SIP Network
SON	N999LF		Flat Precision Resistor Array
SOT	SOT23LF		3 Lead Resistor Network
	SOT143LF		4 Lead Resistor Network
TFP	MHP20S	7a	TO-126 Power Resistor
	MHP 20, 35, 50	7a	TO-220 Power Resistor
	MHP 100, 140	7a	TO-247 Power Resistor
	MHP 150,200	7a	SOT-227 Power Resistor
	SMHP 25	7a	TO-263 Power Resistor
WCA	WCA0804LF	7(c)-I	Thick Film Resistor Array
	WCC0804LF	7(c)-I	Thick Film Resistor Array
WCR	WCR0402LF	7(c)-I	General Purpose Thick Film
	WCR0603LF	7(c)-I	General Purpose Thick Film
	WCR0805LF	7(c)-I	General Purpose Thick Film
	WCR1206LF	7(c)-I	General Purpose Thick Film
	WCR1210LF	7(c)-I	General Purpose Thick Film
	WCR2010LF	7(c)-I	General Purpose Thick Film
	WCR2510LF	7(c)-I	General Purpose Thick Film

**Notes & RoHS Exemptions**

- Ex. 7(c)-I** Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectric devices, or in a glass or ceramic matrix compound
- Ex. 7a** Lead in high melting temperature type solders (i.e. tin-lead solder alloys containing more than 85% lead).
- Note** For TFP product family: During soldering, the soldering temperature profile must not cause the metal back plate of this device to exceed 220°C