

1752-2 1.1

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This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.

ICP Web Site for information on IPC-1752 Standard http://www.ipc.org/IPC-175x

Declaration Class* Form Type* Distribute Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Infomation

Supplier Information Company Name * Fairchild Semiconductor	Company Unique ID 00-489-5751		Response Date* Sat, Aug 09, 2014 03:30 AM
Contact Name *		Phone - Contact *	Email - Contact *
David Lancaster		801-562-7455	david.lancaster@fairchildsemi.com
Authorized Representative *	1	Phone - Representative *	Email - Representative *
David Lancaster		801-562-7455	david.lancaster@fairchildsemi.com

Requester Item Number	Mfr It	em Number	Mfr Item Name		Mfr Item Name		Effective Date	Version		Manufacturing Site	Weight*	UOM	Unit Type
KA5L0380RYDTU	J KA5L0	380RYDTU	TO-220F-4	TO-220F-4			INTE	ERNAL SUZHOU	NAL SUZHOU 2.528594		Each		
Manufacturing Process Information													
Terminal Finish	Base Alloy	J-STD-020 MSL Rating		Peak Process Body Temperature		Max Time at Peak Temperature		No Reflow cycles					
Matte Tin (Sn)	CU Alloy	Not A	Not Applicable		С		seconds		Not A	Not Applicable			

* Required Field

RoHS Material Composition Declaration	Declaration Type * Custom							
RoHS Directive 2011/65/EURoHS Definition: Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium								
This document is Fairchild Semiconductor's statement regarding the directive 2011/65/EU of the European Parliament and of the council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Recast). The content of this document is based upon information collected from Fairchild Semiconductor supply chain, manufacturing facilities and affiliates worldwide.								
The FSC part number listed above and the homogenous materials in the product are compliant with the Directive 2011/65/EU. Fairchild has implemented systems to ensure our products are compliant to environmental regulations and laws worldwide. However, not all materials in Fairchild's products may have been independently verified regarding substance content. In the event of any issues arising from information in this document, the warranty section of Fairchild's standard terms and conditions of sale shall apply, unless alternate contracts have been agreed upon in writing by both parties.								
Note: The substance content disclosed herewith is approximate and is based on various methods including, engineering calculations, supplier surveys, Material Safety Data Sheets, analytical measurements. Fairchild may update this document without notification. This statement may not include information regarding the miniscule quantities of dopant and metal materials in the electrical devices contained within the finished product. CAS numbers listed for Resin substances are generic and may contain alternate substances of similar composition.								
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted substances per the definition above except for selected exemptions Sup	plier Acceptance * Accepted							
Exemptions: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.								
Exemption List Version EL-2011/534/EU								
7(a)-Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85 % by weight or more lead).								

Declaration Signature

David Loncosto

Supplier Signature

DAVID LANCASTER - PRODUCT ECOLOGY MANAGER

Homogeneous Material Composition Declaration for Electronic Products

Item/SubItem Name TO-220F-4

Component	Material	Weight (mg)	Jig Level	Substance Category	Substance	Weight (mg)	CAS	PPM
Chip	Other inorganic materials	6.190	Supplier		Silicon	6.190	7440-21-3	2448
Die Attach	Other Nonferrous metals & alloys	1.840	А	Lead/Lead Compounds	Lead	1.720	7439-92-1	680
			Supplier		Silver	0.028	7440-22-4	11
			Supplier		Tin	0.092	7440-31-5	36
Encapsulation	Thermoplastics	953.400	В	Antimony/Antimony Compounds	Antimony Trioxide	23.800	1309-64-4	9412
			В	Brominated Flame Retardants (other than PBCs or PBDEs)	Bromine Resin	28.600	6386-73-8	11311
			Supplier		Carbon Black	9.534	1333-86-4	3770
			Supplier		Epoxy Resin	191.000	29690-82-2	75536
			Supplier		Silica, vitreous	700.466	60676-86-0	277018
Lead Frame	Copper & its alloys	1545.114	Supplier		Copper	1540.000	7440-50-8	609034
			Supplier		Iron	1.550	7439-89-6	613
			Supplier		Phosphorus	0.464	7723-14-0	184
			Supplier		Silver	3.100	7440-22-4	1226
Plating	Other Nonferrous metals & alloys	21.600	Supplier		Tin	21.600	7440-31-5	8542
Wire Bond	Precious metals	0.450	Supplier		Gold	0.450	7440-57-5	178