

1752-2 1.1

Material Composition Declaration

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

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

Supplier Information								
Company Name *	Company Unique ID	Unique ID Authority	Response Date*					
Fairchild Semiconductor	00-489-5751	Dun & Bradstreet	Sat, Aug 09, 2014 03:07 AM					
Contact Name *	Title - Contact	Phone - Contact *	Email - Contact *					
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Authorized Representative *	Title - Representative	Phone - Representative *	Email - Representative *					
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Requester Item Number	Mfr Item	Number	Mfr Item Name		Effective Date	Version		Manufacturing Site	Weight*	UOM	Unit Type
FQP13N10L	FQP13	N10L	TO-220-3 (92.5-5-2.5DA_AlBW)				INTERNAL SUZHOU		2.030182	g	Each
Manufacturing Process Information											
Terminal Finish	Base Alloy	J-STD	STD-020 MSL Rating Pe		Peak Process Body Temperature			Max Time at Peak Temperature		No Reflow cycles	
Matte Tin (Sn)	CU Alloy	No	t Applicable		С			seconds		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-220-3 (92.5-5-2.5DA_AIBW)

Component	onent Material Weight Jig (mg) Level Substance Category		Substance	Weight (mg)	CAS	PPM		
Chip	Other inorganic materials	2.810	Supplier		Silicon	2.810	7440-21-3	1384
Die Attach	Other Nonferrous metals & alloys	1.110	А	Lead/Lead Compounds	Lead	1.027	7439-92-1	506
			Supplier		Silver	0.028	7440-22-4	14
			Supplier		Tin	0.056	7440-31-5	27
Encapsulation	Thermoplastics	518.400	В	Antimony/Antimony Compounds	Antimony Trioxide	12.900	1309-64-4	6354
			В	Brominated Flame Retardants (other than PBCs or PBDEs)	Bromine Resin	15.500	6386-73-8	7635
			Supplier		Carbon Black	5.184	1333-86-4	2553
			Supplier		Epoxy Resin	104.000	29690-82-2	51227
			Supplier		Silica, vitreous	380.816	60676-86-0	187577
Lead Frame	Copper & its alloys	1492.122	Supplier		Copper	1490.000	7440-50-8	733924
			Supplier		Iron	1.500	7439-89-6	739
			В	Nickel (external applications only)	Nickel	0.173	7440-02-0	85
			Supplier		Phosphorus	0.449	7723-14-0	221
Plating	Other Nonferrous metals & alloys	13.300	Supplier		Tin	13.300	7440-31-5	6551
Wire Bond	Aluminum & its alloys	2.440	Supplier		Aluminum	2.440	7429-90-5	1202