



## Material Composition Declaration

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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.

1752-2 1.1

ICP Web Site for information on IPC-1752 Standard  
<http://www.ipc.org/ContentPage.aspx?pageid=Materials-Declaration>

Form Type\*  
 Distribute

Declaration Class\*  
 Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information

### Supplier Information

<b>Company Name *</b> Fairchild Semiconductor	Company Unique ID 00-489-5751	Unique ID Authority Dun & Bradstreet	<b>Response Date*</b> Mar 24, 2015
<b>Contact Name *</b> Jolene Small	Title - Contact Product Ecology	<b>Phone - Contact *</b> 207-761-6214	<b>Email - Contact *</b> jolene.small@fairchildsemi.com
<b>Authorized Representative *</b> Jolene Small	Title - Representative Product Ecology	<b>Phone - Representative *</b> 207-761-6214	<b>Email - Representative *</b> jolene.small@fairchildsemi.com


Requester Item Number	Mfr Item Number	Mfr Item Name	Effective Date	FSC Version	Manufacturing Site	Weight*	UOM	Unit Type
2N3904TA	2N3904TA	TO92-3 (FeLFAuBW) (Auk-D).csv	Mar 24, 2015	1.0	Subcon	0.223091	g	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
Sn	Steel	NA	Not Applicable		Not Applicable

\* Required Field

RoHS Material Composition Declaration		Declaration Type * Custom
<b>RoHS Directive</b> 2011/65/EU	<b>RoHS Definition:</b> 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	
<p>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.</p> <p>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.</p> <p>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.</p>		
<b>RoHS Declaration *</b>	<b>1 - Item(s) does not contain RoHS restricted substances per the definition above</b>	<b>Supplier Acceptance * Accepted</b>
<p><b>Exemptions:</b> 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.</p> <p>Exemption List Version EL-2011/534/EU none</p>		

Declaration Signature	
Supplier Signature	 JOLENE SMALL – PRODUCT ECOLOGY ENGINEER

**Homogeneous Material Composition Declaration for Electronic Products**

Item/SubItem Name TO92-3 (FeLFAuBW) (Auk-D).csv

Component	Material	Weight (mg)	Jig Level	Substance Category	Substance	Weight (mg)	CAS	PPM
Lead Frame	Other Ferrous alloys, non-stainless steels	101.001	Supplier		Iron	98.4	7439-89-6	441075
			Supplier		Manganese	0.505	7439-96-5	2264
			B	Nickel (external applications only)	Nickel	0.182	7440-02-0	816
			Supplier		Silver	1.01	7440-22-4	4527
			Supplier		Copper	0.904	7440-50-8	4052
Plating	Other Nonferrous metals & alloys	9.94	Supplier		Tin	9.94	7440-31-5	44556
Wire Bond	Precious metals	0.076	Supplier		Gold	0.076	7440-57-5	341
Chip	Other inorganic materials	0.075	Supplier		Silicon	0.075	7440-21-3	336
Encapsulation	Thermoplastics	112	B	Antimony/Antimony Compounds	Antimony Trioxide	2.8	1309-64-4	12551
			B	Brominated Flame Retardants (other than PBCs or PBDEs)	Bromine Resin	3.36	6386-73-8	15061
			Supplier		Carbon Black	0.84	1333-86-4	3765
			Supplier		Epoxy Resin	22.4	29690-82-2	100407
			Supplier		Silica, vitreous	82.6	60676-86-0	370252