Material Composition Declaration

© Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.

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/IPC-175x

Form Type*
Distribute

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

Supplier Information

Company Name * **Fairchild Semiconductor**	Company Unique ID 00-489-5751	Unique ID Authority Dun & Bradstreet	**Response Date*** **Sat, May 26, 2012 02:18 AM**
Contact Name * **David Lancaster**	Title - Contact Product Ecology	**Phone - Contact *** **801-562-7455**	**Email - Contact *** **david.lancaster@fairchildsemi.com**
Authorized Representative * **David Lancaster**	Title - Representative Product Ecology	**Phone - Representative *** **801-562-7455**	Email - Representative * david.lancaster@fairchildsemi.com

Requester Item Number	Mfr Item Number	Mfr Item Name	Effective Date	Version	Manufacturing Site	**Weight***	UOM	Unit Type
BC327BU	BC327BU	TO-92-3 (FeLFAuBW)Auk-D			SUBCONTRACTOR	**0.223**	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
Matte Tin (Sn)	CU Alloy	Not Applicable	C	seconds	Not Applicable

* Required Field

RoHS Material Composition Declaration	Declaration Type * Custom

RoHS Directive 2002/95/EC	**RoHS 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

Providing for limitations below, we certify that the Fairchild Semiconductor product(s) list in this document are compliant to directive 2002/95/EC of the European Parliament and of the council on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS directive). Specifically, this product(s) does not contain the substances in the RoHS definition above in concentrations greater than the maximum limit value(a).

Fairchild has implemented procedures to ensure our products and the materials in our products conform to regulatory requirements worldwide. Fairchild Semiconductor certifies that the information provided in this document is correct as of the date indicated on this document. However, not all materials in Fairchild's products may have been independently verified or tested with regard to 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.

(a) Maximum limit does not apply to applications for which exemptions have been granted by the RoHS directive. Fairchild product may utilize exemption 5 and 7a.

RoHS Declaration *	**1 - Item(s) does not contain RoHS restricted substances per the definition above**	**Supplier 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-2006/690/EC
0

Declaration Signature

Supplier Signature	David Lancaster DAVID LANCASTER - PRODUCT ECOLOGY MANAGER

Homogeneous Material Composition Declaration for Electronic Products

Item/SubItem Name TO-92-3 (FeLFAuBW)Auk-D

Component	Material	Weight (mg)	Jig Level	Substance Category	Substance	Weight (mg)	CAS	PPM
Chip	Other inorganic materials	0.075	Supplier		Silicon	0.075	7440-21-3	336
Die Attach	Eutectic	0.000	Supplier		Eutectic	0.000	-	0
Encapsulation	Thermoplastics	112.000	B	Antimony/Antimony Compounds	Antimony Trioxide	2.800	1309-64-4	12551
			B	Brominated Flame Retardants (other than PBCs or PBDEs)	Bromine Resin	3.360	6386-73-8	15061
			Supplier		Carbon Black	0.840	1333-86-4	3765
			Supplier		Epoxy Resin	22.400	29690-82-2	100407
			Supplier		Silica, vitreous	82.600	60676-86-0	370252
Lead Frame	Other Ferrous alloys, non-stainless steels	101.001	Supplier		Copper	0.904	7440-50-8	4052
			Supplier		Iron	98.400	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 (plating)	1.010	7440-22-4	4527
Plating	Other Nonferrous metals & alloys	9.940	Supplier		Tin	9.940	7440-31-5	44556
Wire Bond	Precious metals	0.076	Supplier		Gold	0.076	7440-57-5	341