



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.

Adobe Reader version 7.0.5 is required to complete this declaration.

1752-2 1.1	IPC 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 Informat
------------	--	---------------------------	--

Supplier Information

Company Name * Ecliptek Corporation	Company Unique ID	Unique ID Authority	Response Date * 2014-10-16	Response Document ID				
Contact Name * Tom Culhane	Title - Contact V.P. of Engineering	Phone - Contact * (714) 433-1200	Email - Contact * quality@ecliptek.com					
Authorized Representative * Tom Culhane	Title - Representative V.P. of Engineering	Phone - Representative * (714) 433-1200	Email - Representative * quality@ecliptek.com	Supplier Comments or URL for Additional Information http://www.ecliptek.com/				
Requester Item Number	Mfr Item Number	Mfr Item Name	Effective Date	Version	Manufacturing Site	Weight *	UOM	Unit Type
	EH29 Series		2009-05-19			185.9881	mg	Each
Alternate Recommendation				Alternate Item Comments				

Manufacturing Process Information

Terminal Plating / Grid Array Material Nickel/Gold (Ni/Au)	Terminal Base Alloy Other	J-STD-020 MSL Rating 1	Peak Process Body Temperature 260 C	Max Time at Peak Temperature 10 seconds	Number of Reflow Cycles 3
--	-------------------------------------	----------------------------------	---	---	-------------------------------------

Comments
Terminal Plating Thickness: Gold (0.3 to 1.0µm), Nickel (1.27 to 8.89µm).
RoHS Definition Addition: Quantity limit of 0.1% by mass (1000ppm) in homogeneous material for Decabromodiphenylether (or Deca-BDE) and Perfluorooctane Sulfonate (PFOS).

Save the fields in this form to a file

Export Data

Import fields from a file into this form

Import Data

Locked

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

RoHS 2 (Recast of EU RoHS Directive 2002/95/EC):

This material composition declaration certifies that the listed product complies with the requirements of Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment as adopted June 8, 2011 and published in the Official Journal of the European Union on July 1, 2011.

Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form.

Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information.

However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.

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.

Declaration Signature

Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.

Supplier Digital Signature **Tom Culhane**

Digitally signed by Tom Culhane
DN: cn=Tom Culhane, o=Eclipse Corporation, ou=Eclipse Corporation,
email=tculhane@eclipse.com, c=US
Date: 2014.10.17 08:33:20 -0700

Homogeneous Material Composition Declaration for Electronic Products

SubItem Instructions: The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

Substance Instructions: [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).

Line Functions: +I Inserts a New Item /SubItem +M Inserts a new Material +C Inserts a new Substance Category +S Inserts a new Substance - Deletes the element line

	Item/SubItem Name	Homogeneous Material	Weight	Unit of Measure	Level	Substance Category	Substance	CAS	Exempt	Weight	Unit of Measure	Tolerance		PPM
												-	+	
	Package Cover	Cover	23.21	mg	Supplier	Iron	Iron	7439-89-6		12.0692	mg			
					B	Nickel (external applic	Nickel	7440-02-0		6.963	mg			
					Supplier	Cobalt	Cobalt	7440-48-4		3.7136	mg			
					Supplier	Manganese	Manganese	7439-96-5		0.2321	mg			
					Supplier	Phosphorus	Phosphorus	7723-14-0		0.1393	mg			
					Supplier	Silicon	Silicon	7440-21-3		0.0928	mg			
	Package Header	Header	157.756	mg	Supplier	Aluminium Oxide	Aluminium Oxide	1344-28-1		121.1995	mg			
					Supplier	Iron	Iron	7439-89-6		9.3342	mg			
					Supplier	Tungsten	Tungsten	7440-33-7		6.4374	mg			
					B	Nickel (external applic	Nickel	7440-02-0		6.1155	mg			
					Supplier	Chromium Oxide	Chromium Oxide	1308-38-9		4.2916	mg			
					Supplier	Cobalt	Cobalt	7440-48-4		3.4333	mg			
					Supplier	Silicon Oxide	Silicon Oxide	7631-86-9		2.3604	mg			
					Supplier	Silver	Silver	7440-22-4		1.9312	mg			
					Supplier	Titanium Oxide	Titanium Oxide	13463-67-7		1.622	mg			
					Supplier	Copper	Copper	7440-50-8		0.602	mg			
					Supplier	Molybdenum	Molybdenum	7439-98-7		0.4292	mg			
	Package Plating	Header Plating	0.9398	mg	B	Nickel (external applic	Nickel	7440-02-0		0.7249	mg			
					Supplier	Gold	Gold	7440-57-5		0.2149	mg			
	Crystal Resonator C	Quartz Element	2.469	mg	Supplier	Silicone Dioxide	Silicone Dioxide	14808-60-7		2.469	mg			
	Crystal Resonator C	Crystal Electrode	0.0726	mg	Supplier	Silver	Silver	7440-22-4		0.0726	mg			
	Crystal Attach	Epoxy	0.1307	mg	Supplier	Silver	Silver	7440-22-4		0.0967	mg			
					Supplier	Resin	Silicone Resin	70900-21-9		0.0131	mg			

		Supplier	Solvent			Distillates	64742-47-8		0.0209	mg					
IC		IC	0.306	mg		Supplier	Silicon		Silicon	7440-21-3		0.306	mg		
IC Attach		Epoxy	0.0871	mg		Supplier	Silver		Silver	7440-22-4		0.0645	mg		
						Supplier	Resin		Silicone Resin	70900-21-9		0.0087	mg		
						Supplier	Solvent		Distillates	64742-47-8		0.0139	mg		
IC Bond Wire		Wirebonds	1.0166	mg		Supplier	Gold		Gold	7440-57-5		1.0166	mg		