IPC ASSOCIATION ELECTRONIC	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			nder both	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.								
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				Materials and	ials and Mfg Information			
upplier	· Information													
Company name* Company unique ID					Unique ID Authority				Respo	Response Date*				
onsemi											2023-06-07			
ontact Na	ame	Title - Conta	Title - Contact			Phone - Contact*				Email - Contact*				
Product-E	Env-Stewards	Product Env	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Rep				presentative			Phone - Representative*			Email	Email - Representative*			
Product-Env-Stewards Product Enviro Compliance					1	NA				Product-Env-Stewards@onsemi.com				
	Requester Item Number Mfr Item Number Mfr Item Name QRD1114 4L REFLECT SNSR		Afr Item Number Mfr Item Name			Effect		Version	Manufacturing Site		Weight*	UOM	Unit Type	
			SR		2023-06-07		LITEONFG		910.051	mg	Each			
	cturing Process Informa		Terminal Base	Alloy	-STD-020 MSL	Pating	Paul Proce	os Pody Tompor	tura May Tima et	Paak Tampa	roturo Numb	or of Poflow Cv	olos	
	Terminal Plating / Grid Array Material Terminal Matte Tin (Sn) - annealed CU Allo					. Katilig	Peak Process Body Temperature Max Time at O C 30		· ·	seconds 3 Number of Reflow Cycles				
omments	` /		Andy		in_		Į v	įc	30	sec	onus J			
minents														
	information regarding materia	Laampasition	nlagge refer to	n nogo 2										

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU RoHS Definition: Quantity limit of 0.01% by mass (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).											
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. 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 informationprovided 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 is 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 substar	nces per the definition above	Supplier A	cceptance *	Accepted						
Exemption: 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										
Declaration Signature											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	the declaration (if required by the						

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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	1.5	mg	Supplier	Silicon (Si)	7440-21-3		1.5	mg
Die Attach	1.551	mg	Supplier	Silver (Ag)	7440-22-4		1.085	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.233	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.233	mg
Housing	540.0	mg	Supplier	Polycarbonate	25037-45-0		540	mg
Lead Frame	280.0	mg	Supplier	Sulfur (S)	7704-34-9		2.24	mg
			Supplier	Carbon (C)	7440-44-0		11.2	mg
			Supplier	Silver (Ag)	7440-22-4		1.4	mg
			Supplier	Manganese (Mn)	7439-96-5		64.4	mg
			Supplier	Iron (Fe)	7439-89-6		196	mg
			Supplier	Phosphorus (P)	7723-14-0		4.76	mg
Mold Compound-Black	51.0	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		5.1	mg
			Supplier	Carbon Black (C)	1333-86-4		0.51	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		45.39	mg
Plating	32.5	mg	Supplier	Tin (Sn)	7440-31-5		32.5	mg
Wire Bond - Au	3.5	mg	Supplier	Gold (Au)	7440-57-5		3.5	mg