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.											
1752-21.1	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					als and Mfg Information						
Supplier	· Information															
Company name* Company unio				ique ID			Unique ID Authority					Response Date*				
onsemi				 									2023-06-08			
Contact N	ame	Title - Contact				Phone - Contact*					Email - Contact*					
Product-H	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Authorize	d Representative*	Title - Representative				Phone - Representative*				Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Dat	ective Date		ing Site	Wei	ight*	UOM	Unit Type		
		FOD411	FOD4116TV 6PB ZC SNUB W		VL VDE		2023-06-08	23-06-08 LITEONFG		i	537	.109	mg	Each		
Manufa	cturing Proccess Informat	ion														
	Terminal Plating / Grid Array Material T		Terminal Base Alloy J-STI		J-STD-020 MSI	_ Rating	Peak Pro	rocess Body Temperature		re Max Time at Peak Temperat		Temperature	Numb	er of Reflow Cyc	eles	
	Matte Tin (Sn) - annealed		CU Alloy NA		NA		0 C		C	30 s		seconds	3			
Comments																
or more i	information regarding material	composition	please refer to	page 3												

RoHS Material Composition Declaration			Declaration Type *	Detail	led						
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 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 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 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 substa	ances per the definition above	Supplier Ac	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											
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recruired by the						
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	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
Coupling Gel	1.83	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		0.635	mg
			Supplier	Dimethyl Siloxane	68083-19-2		0.888	mg
			Supplier	3-Methacryloxypropyltrimethoxysilane (C10H20O5Si)	2530-85-0		0.307	mg
Die	4.043	mg	В	Gallium Arsenide (AsGa)	1303-00-0		0.283	mg
			Supplier	Silicon (Si)	7440-21-3		3.76	mg
Die Attach	1.665	mg	Supplier	Silver (Ag)	7440-22-4		1.3653	mg
			Supplier	Dicyandiamine	461-58-5		0.0166	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.2831	mg
Lead Frame	108.322	mg	Supplier	Silver (Ag)	7440-22-4		4.1162	mg
			Supplier	Zinc (Zn)	7440-66-6		0.1083	mg
			Supplier	Iron (Fe)	7439-89-6		2.2964	mg
			Supplier	Copper (Cu)	7440-50-8		101.7902	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0108	mg
Mold Compound-Black	298.368	mg	В	Brominated Bisphenol A Diglycidyl Ether	40039-93-8		5.9674	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		4.4755	mg
			Supplier	Carbon Black (C)	1333-86-4		1.4918	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		211.8413	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		52.2144	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		22.3776	mg
Mold Compound-White	116.032	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		23.2064	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		81.2224	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		11.6032	mg
Plating	6.7	mg	Supplier	Tin (Sn)	7440-31-5		6.7	mg
Wire Bond - Au	0.149	mg	Supplier	Gold (Au)	7440-57-5		0.149	mg