ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	al Composition De ht 2005. IPC, Bannock hal and Pan-American c	<b>claration</b> burn, Illinois. A opyright conver	Il rights reserved untions.	inder both	This docume level parts, tl	ent is a declaration er	n of the substand compasses all lo	es within the manufa wer level materials fo	cturer listed or which the	item. Note: i manufacture	if the item is an as r has engineering	sembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard   http://www.ipc.org/IPC-175x			Form Type <sup>3</sup> Distribute	Form Type * Declaration Class * Class 6 - RoHS Yes/No, Homos			o, Homogeneous Ma	ous Materials and Mfg Information				
upplier Information													
ompany name*	Company unique ID			τ	Unique ID Authority				Response Date*				
nsemi									2024-0	4-08			
ontact Name	Title - Conta	Title - Contact			Phone - Contact*				Email - Contact*				
Product-Env-Stewards	Product Enviro Compliance				NA			Produ	Product-Env-Stewards@onsemi.com				
uthorized Representative*	Title - Repres	Title - Representative			Phone - Representative*			Email	Email - Representative*				
roduct-Env-Stewards	Product Enviro Compliance				NA			Produ	Product-Env-Stewards@onsemi.com				
Requester Item Numb	Requester Item Number Mfr Item		Number Mfr Item Name			Effective Date	Version	Manufacturing Site	;	Weight*	UOM	Unit Type	
	QED12	QED123 LI		LED T13-4 ALGAAS		2024-04-08		LITEONFG		28.987	mg	Each	
Ianufacturing Proccess I	nformation												
Terminal Plating / Grid	Terminal Plating / Grid Array Material		Cerminal Base Alloy J-STD-020		Rating	Peak Process Body Temperat		ture Max Time at P	eak Temper	ature Num	ber of Reflow Cyc	eles	
Matte Tin (Sn) - annealed		CU Alloy NA		NA		0 C		30	seco	onds 3			
omments													
or more information regarding	material composition	please refer to	page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed					
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chror	IS 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 , Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl alate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).								
cadmium, hexavalentchromium, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe y others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and cc for issues that arise regarding inform	ce of its products with European Union membe	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of					
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	ances per the definitio	on above	Supplier Acceptance	* Accepted					
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all					
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
Instructions: Complete all of the required fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the					
Supplier Digital Signature Ra	stislav Drska	Le								

## 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.026	mg	В	Gallium Arsenide (AsGa)	1303-00-0		0.0101	mg
			Supplier	Silicon (Si)	7440-21-3		0.0159	mg
Die Attach	0.55	mg	Supplier	Silver (Ag)	7440-22-4		0.44	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.11	mg
Lead Frame	10.35	mg	Supplier	Silver (Ag)	7440-22-4		0.021	mg
			Supplier	Tin (Sn)	7440-31-5		0.062	mg
			Supplier	Copper (Cu)	7440-50-8		10.267	mg
Mold Compound-Black	9.035	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.01	mg
			Supplier	2,4,6-Tris[Bis(Methoxymethyl)Amino]- 1,3,5-Triazine	3089-11-0		9.025	mg
Plating	9.025	mg	Supplier	Tin (Sn)	7440-31-5		9.025	mg
Wire Bond - Au	0.001	mg	Supplier	Gold (Au)	7440-57-5		0.001	mg