ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® INCLUSTRIES	mposition De 5. IPC, Bannockl Pan-American co	claration burn, Illinois. A opyright conver	All rights reserved untions.	under both	This docume level parts, th	ent is a declaration e	on of the substat ncompasses all l	nces within the n lower level mater	nanufacturer rials for whi	r listed item. N ich the manufa	Note: if th acturer ha	ne item is an as as engineering	sembly with low responsibility.
	IPC Web Site for Information on IPC-1752 Standard Form Tyr				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information			
upplier Information													
ompany name*	Company un	Company unique ID			Unique ID Authority				Response Date*				
nsemi									2023-06-12				
Contact Name Titl			Title - Contact			Phone - Contact*				Email - Contact*			
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Representative			Phone - Representative*			Email - Representative*				
roduct-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	Mfr Item Number		Mfr Item Name			Effective Date	Version	Manufacturi	Manufacturing Site		nt*	UOM	Unit Type
	QSE133	QSE133 PHOTODARL S		-LOOK		2023-06-12		CP6	CP6		17	mg	Each
Ianufacturing Proccess Infor	mation						-	-					
Terminal Plating / Grid Array	Terminal Plating / Grid Array Material Terminal Base		Iloy J-STD-020 MSL Rat		Rating	Peak Process Body Temperature		erature Max Tin	ne at Peak T	emperature	Number	of Reflow Cyc	eles
Matte Tin (Sn) - annealed C		U Alloy NA			0 C		30	30 sec		3			
omments													
or more information regarding mate	rial composition	please refer to	o page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed						
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), Dibutyl 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 v 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	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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	0.65	mg	Supplier	Silicon (Si)	7440-21-3		0.65	mg	
Die Attach	0.611	mg	Supplier	Silver (Ag)	7440-22-4		0.427	mg	
			Supplier	Phenolic Resin-2	54208-63-8		0.092	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		0.092	mg	
Lead Frame	90.816	mg	Supplier	Sulfur (S)	7704-34-9		0.725	mg	
			Supplier	Carbon (C)	7440-44-0		3.624	mg	
			Supplier	Silver (Ag)	7440-22-4		0.453	mg	
			Supplier	Manganese (Mn)	7439-96-5		2.084	mg	
			Supplier	Iron (Fe)	7439-89-6		82.174	mg	
			Supplier	Copper (Cu)	7440-50-8		0.216	mg	
			Supplier	Phosphorus (P)	7723-14-0		1.54	mg	
Mold Compound-Black	20.0	mg	Supplier	Phenolic Resin-2	54208-63-8		10	mg	
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		10	mg	
Plating	29.8	mg	Supplier	Tin (Sn)	7440-31-5		29.8	mg	
Wire Bond - Au	2.14	mg	Supplier	Gold (Au)	7440-57-5		2.14	mg	

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 signa range of distribution unless otherwise noted).