ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® INTERNATION CONNECTING international a	Composition Dec 2005. IPC, Bannockt and Pan-American co	c <b>laration</b> ourn, Illinois. A opyright conver	.ll rights reserved u ntions.	nder both	This docume level parts, tl	ent is a declaration en	n of the substanc compasses all lo	es within the man wer level material	ufacturer liste s for which the	d item. Note: i e manufacturer	f the item is an as has engineering	ssembly with low responsibility.	
				Form Type Distribute	<ul> <li>Declaration Class *</li> <li>Class 6 - RoHS Yes/No, Homogeneous Materi</li> </ul>				Materials and	ials and Mfg Information			
upplier Information													
ompany name*	Company unique ID			τ	Unique ID Authority				Response Date*				
nsemi									2024-05-09				
Contact Name Ti			Title - Contact			Phone - Contact*			Emai	Email - Contact*			
Product-Env-Stewards	Product Enviro Compliance				NA			Prod	Product-Env-Stewards@onsemi.com				
Authorized Representative* T			Title - Representative			Phone - Representative*			Emai	Email - Representative*			
roduct-Env-Stewards	Product Enviro Compliance				NA			Prod	Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr Iten		n Number Mfr Item Name				Effective Date	Version	Manufacturing S	Site	Weight*	UOM	Unit Type	
	FSQ016	FSQ0165RN FPS FOR DVD		)P/STB		2024-05-09		PH4		478.247	mg	Each	
Ianufacturing Proccess Info	ormation									·		·	
Terminal Plating / Grid Ar	Terminal Plating / Grid Array Material		erminal Base Alloy J-STD-020 MS		Rating	Peak Process Body Temperature Ma		ture Max Time a	it Peak Tempe	rature Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed		CU Alloy NA		NA		0 C		30	sec	onds 3			
omments													
or more information regarding ma	aterial composition	please refer to	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), 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 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 co 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.

Iomogeneous Material Weight Unit of Measu		Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	1.6	mg	Supplier	Silicon (Si)	7440-21-3		1.6	mg
Die Attach	3.0	mg	Supplier	Silver (Ag)	7440-22-4		2.25	mg
			Supplier	Phenolic Resin-2	54208-63-8		0.75	mg
Lead Frame	137.787	mg	Supplier	Silver (Ag)	7440-22-4		0.69	mg
			Supplier	Zinc (Zn)	7440-66-6		0.193	mg
			Supplier	Iron (Fe)	7439-89-6		3.6	mg
			Supplier	Copper (Cu)	7440-50-8		133	mg
			Supplier	Phosphorus (P)	7723-14-0		0.304	mg
Mold Compound-Black	320.81	mg	Supplier	2,6-dibromo-4-[1-(3-bromo-4- hydroxyphenyl)-1-methylethyl]phenol	6386-73-8		5.9	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		59.3999	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		5.9	mg
			Supplier	Carbon Black (C)	1333-86-4		1.61	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		247.9999	mg
Plating	9.05	mg	Supplier	Tin (Sn)	7440-31-5		9.05	mg
Wire Bond - Au	6.0	mg	Supplier	Gold (Au)	7440-57-5		6	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 sigma range of distribution unless otherwise noted).