	Material Comp © Copyright 2005. I international and Par	PC, Bannockt	ourn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declarat he declaration	tion of t encomp	he substances asses all lowe	within the er level mat	manufactur terials for wl	er listed it hich the m	em. Note: anufacture	if the item is an as or has engineering	sembly with lowe 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 un	Company unique ID			Unique ID Authority					Response Date*				
nsemi												2023-06-08			
Contact Name			Title - Contact]	Phone - Contact*				Email - Contact*				
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
uthorized	d Representative*		Title - Representative]	Phone - Representative*				Email - Representative*				
Product-E	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	te Version Manufacturing Site		ring Site	V	Veight*	UOM	Unit Type	
	FSQ510			700V QR Cntrlr w/swtch			2023-06-08 PH4			461.66		mg	Each		
/lanufa	cturing Proccess Informa	tion													
	Terminal Plating / Grid Array Material		Terminal Base Alloy J-STD-02		J-STD-020 MS	L Rating	Peak Process Body Tempe		ly Temperatu	ture Max Time at Peak T		Temperati	are Num	ber of Reflow Cyc	les
	Matte Tin (Sn) - annealed		CU Alloy NA			0 C		C	30		second	is 3			
omments															
or more i	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	ending RoHS 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), Disobutyl 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.

Homogeneous Material	Weight	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	121.2	mg	Supplier	Silver (Ag)	7440-22-4		0.605	mg
			Supplier	Zinc (Zn)	7440-66-6		0.169	mg
			Supplier	Iron (Fe)	7439-89-6		3.16	mg
			Supplier	Copper (Cu)	7440-50-8		117.0001	mg
			Supplier	Phosphorus (P)	7723-14-0		0.2659	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).