	Material Comp © Copyright 2005. II International and Part	PC, Bannockb	ourn, Illinois. A	Il rights reserved untions.	nder both	This docume level parts, t	ent is a declarat he declaration e	on of the ncompass	substances ses all lowe	within the r level mate	manufacture erials for wh	er listed it hich the m	em. Note: i anufacture	if the item is an as r has engineering	sembly with low 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				
upplie	r Information														
Company name* Com				Company unique ID			Unique ID Authority					Response Date*			
nsemi												2023-06-08			
Contact N	lame		Title - Contact]	Phone - Contact*					Email - Contact*			
Product-I	Env-Stewards		Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*		Title - Representative]	Phone - Representative*				Email - Representative*				
roduct-I	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
			n Number Mfr Item Name			·	Effective Date	Versio	n :	Manufacturing Site		1	Weight*	UOM	Unit Type
			8-bit Microcontro	bit Microcontroller		2023-06-08 PHM		ΉM		1	100.0	mg	Each		
Ianufa	cturing Proccess Informat	tion						·							
	Terminal Plating / Grid Array Material		Terminal Base Alloy J-STD-020		J-STD-020 MS	L Rating	Peak Process Body Temperat		Temperatu	ure Max Time at Peak Temper		Temperat	ure Numb	ber of Reflow Cyc	les
contains Bi		CU Alloy NA			0 C		30 seco		secon	ds 3					
omments	3														
or more	information regarding material	composition j	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU												
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.

sigma range of distribution unless	otherwise noted).							
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	6.53	mg	Supplier	Silicon (Si)	7440-21-3		6.53	mg
Die Attach	0.54	mg	Supplier	Silver (Ag)	7440-22-4		0.4131	mg
			Supplier	Epoxy resins	129915-35-1		0.1269	mg
Lead Frame	467.17	mg	Supplier	Silver (Ag)	7440-22-4		1.4482	mg
			Supplier	Chromium (Cr)	7440-47-3		0.4205	mg
			Supplier	Manganese (Mn)	7439-96-5		3.6906	mg
			Supplier	Silicon (Si)	7440-21-3		1.3548	mg
			В	Nickel (Ni)	7440-02-0		193.2215	mg
			Supplier	Iron (Fe)	7439-89-6		266.9877	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0467	mg
Mold Compound-Black	606.3	mg		Brominated epoxy resin	proprietary data		12.7323	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		12.126	mg
			Supplier	Carbon Black (C)	1333-86-4		1.9402	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		428.2296	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		151.2719	mg
Plating	15.5	mg	В	Bismuth (Bi)	7440-69-9		0.093	mg
			Supplier	Tin (Sn)	7440-31-5		15.407	mg
Wire Bond - Au	3.96	mg	Supplier	Gold (Au)	7440-57-5		3.96	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).