IPC ASSOCIATION ELECTRONICS	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rig international and Pan-American copyright conventions			nder both										ssembly with low responsibility.
752-21.1	Porm Type http://www.ipc.org/IPC-175x Standard Form Type Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information									
upplier	Information														
Company name* Company unique ID					Unique ID Authority						Response Date*				
nsemi											2023-06-12				
ontact Na	ame		Title - Conta	Title - Contact			Phone - Contact*					Email - Contact*			
Product-E	Env-Stewards		Product Enviro Compliance]	NA					Product-Env-Stewards@onsemi.com			
uthorized	l Representative*	Title - Repre	Title - Representative			Phone - Representative*					Email - Representative*				
Product-Env-Stewards Product Envir				iro Compliance		NA Product-Env-Stewards@onsemi.com					om				
	Requester Item Number Mfr Ite		n Number	er Mfr Item Name Effective Date Version Manufacturing Site Weight*				UOM	Unit Type						
		FPDB60	РН60В	SPM3V CON 600	V 60A SB		2023-06-12			СРА		1	6599.223	mg	Each
	cturing Process Informa														
	8		Terminal Base			L Rating	Peak Process Body Temperature Max			ne at Peak	T .		of Reflow Cyc	cles	
	Matte Tin (Sn) - annealed		CU Alloy	N	NA .		0		C	30		secono	ds 3		
omments															
r more i	nformation regarding materia	l composition	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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).											
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Standard Terms andConditions of Sale applicable to such part shall apply.											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	Accepted						
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	the declaration (if required by the						

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.

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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Current Sensing Resistor	102.76	mg	Supplier	Silver (Ag)	7440-22-4		0.0206	mg
			Supplier	Bisphenol A, Epichlorohydrin polymer	25036-25-3, 25068- 38-6		0.3288	mg
			Supplier	Tin (Sn)	7440-31-5		0.7501	mg
			Supplier	Inorganic Filler of Solder Mask_Talc (Mg3Si4O10(OH)2)	14807-96-6		0.2158	mg
			Supplier	Chromium (Cr)	7440-47-3		15.1982	mg
			Supplier	Manganese (Mn)	7439-96-5		0.8118	mg
			Supplier	Silicon (Si)	7440-21-3		0.8118	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0411	mg
			В	Nickel (Ni)	7440-02-0		55.0485	mg
			Supplier	Copper (Cu)	7440-50-8		26.8101	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.3083	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.1541	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7		0.1439	mg
			Supplier	Aluminum (Al)	7429-90-5		2.1169	mg
Die	67.7	mg	Supplier	Silicon (Si)	7440-21-3		67.7	mg
Die Attach	31.4	mg	Supplier	Silver (Ag)	7440-22-4		0.785	mg
			Supplier	Tin (Sn)	7440-31-5		29.045	mg
			Supplier	Copper (Cu)	7440-50-8		1.57	mg
Die Attach2	0.163	mg	Supplier	Poly(oxypropylene)diamine	9046-10-0		0.0049	mg
			Supplier	Miscellaneous	Trade Secret		0.0082	mg
			Supplier	Silver (Ag)	7440-22-4		0.1386	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0114	mg
Heat Sink	1880.0	mg	Supplier	Aluminum (Al)	7429-90-5		1880	mg
Lead Frame	4318.38	mg	Supplier	Silver (Ag)	7440-22-4		1.47	mg
			Supplier	Iron (Fe)	7439-89-6		5.18	mg
			Supplier	Copper (Cu)	7440-50-8		4309.998	mg
			Supplier	Phosphorus (P)	7723-14-0		1.73	mg
Mold Compound-Black	10122.0	mg	Supplier	2,6-dibromo-4-[1-(3-bromo-4-hydroxyphenyl)-1-methylethyl]phenol	6386-73-8		303.66	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		2024.4	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		253.05	mg

			Supplier	Carbon Black (C)	1333-86-4	101.22	mg
			Supplier	Fused Silica (SiO2)	60676-86-0	7439.6699	mg
NTC	4.7	mg	Supplier	Silver (Ag)	7440-22-4	0.0461	mg
			Supplier	Tin (Sn)	7440-31-5	0.0094	mg
			Supplier	Nickel Oxide (NiO)	1313-99-1	1.841	mg
			Supplier	Palladium (Pd)	7440-05-3	0.047	mg
			В	Nickel (Ni)	7440-02-0	0.0047	mg
			Supplier	Cobalt Oxide (Co3O4)	1308-06-1	0.188	mg
			Supplier	Manganese Tetraoxide (Mn3O4)	1317-35-7	2.5638	mg
Plating	53.3	mg	Supplier	Tin (Sn)	7440-31-5	53.3	mg
Wire Bond - Al	18.3	mg	Supplier	Aluminum (Al)	7429-90-5	18.3	mg
Wire Bond - Cu	0.52	mg	Supplier	Copper (Cu)	7440-50-8	0.52	mg