	© Copyright 2005. IF	Sition Dec C, Bannockb American co	claration ourn, Illinois. A opyright conver	Il rights reserved untions.	under both	This docume level parts, t	ent is a declarat	ion of the su encompasses	bstances sall lower	within the r level mate	nanufacture rials for wh	er listed it nich the m	em. Note: if anufacturer	the item is an as has engineering	sembly with lowe responsibility.	
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form T				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					ous Materia	als and Mfg Information				
Supplier	Information															
Company name* Company uni				ique ID t			Unique ID Authority					Response Date*				
onsemi												2024-05-10				
Contact Name			Title - Contact				Phone - Contact*					Email - Contact*				
Product-E	Env-Stewards		Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com				
uthorized	l Representative*		Title - Representative				Phone - Representative*				Email - Representative*					
Product-E	Cnv-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
			n Number Mfr Item Name				Effective Date	te Version Manufacturing Site		ng Site	1	Weight*	UOM	Unit Type		
			3 Phase Inverter IPM		2024-05-10 VN:		VN5		8	8939.39	mg	Each				
Aanufac	cturing Proccess Informat	ion						·								
	Terminal Plating / Grid Array Material		Terminal Base Alloy J-STD-0		J-STD-020 MSI	L Rating	Peak Process Body Tempera		mperatur	ure Max Time at Peak Tem		Temperat	ure Numb	er of Reflow Cy	cles	
	Matte Tin (Sn) - annealed		CU Alloy NA			0 C		30	secor		ds 3					
omments																
or more i	nformation regarding material of	composition	please refer to	page 3												

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	RoHS Bofinition: 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, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company	ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in iffies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg	nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co	e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations are at least as comprehensive as the anty rights and/or remedies provided as part of							
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted subst	ances per the definition above except for sele	ected exempt	ions Supplier Acceptance	* Accepted							
Exemption: 7a: Lead in high melting temp	erature type solders (i.e. lead based sol	der alloys containing 85% by weight or m	ore lead).									
Exemption List Version	EL-2011/534/EU											
Declaration Signature												
Instructions: Complete all of the required Requester) and click on Submit Form to h			e drop-dowi	a. This will display the signature area. Digita	lly sign the declaration (if required by the							
Supplier Digital Signature	astislav 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	ogeneous Material Weight Unit of Me		Level	Substance	CAS	Exempt	Weight	Unit of Measure
DBC	461.068	mg	Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		184.4272	mg
			Supplier	Copper (Cu)	7440-50-8		276.6408	mg
Die	51.5022	mg	Supplier	Silicon (Si)	7440-21-3		51.5022	mg
Die Attach	1.41124	mg		Epoxy resin	proprietary data		0.2173	mg
			Supplier	Imidazole Addition	68490-66-4		0.0226	mg
			Supplier	Silver (Ag)	7440-22-4		1.0867	mg
			В	Bismuth Trioxide (Bi2O3)	1304-76-3		0.0607	mg
			В	Antimony Pentoxide (Sb2O5)	1314-60-9		0.024	mg
Die Attach Solder	4.19991	mg	Supplier	Silver (Ag)	7440-22-4		0.105	mg
			Supplier	Tin (Sn)	7440-31-5		4.0739	mg
			Supplier	Copper (Cu)	7440-50-8		0.021	mg
Lead Frame	462.339	mg	Supplier	Silver (Ag)	7440-22-4		23.1169	mg
			Supplier	Zinc (Zn)	7440-66-6		0.5548	mg
			Supplier	Iron (Fe)	7439-89-6		11.0961	mg
			Supplier	Copper (Cu)	7440-50-8		427.2012	mg
			Supplier	Phosphorus (P)	7723-14-0		0.3699	mg
Mold Compound-Black	sk 7922.92	mg	Supplier	Carbon Black (C)	1333-86-4		79.2292	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		6734.4819	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		1109.2087	mg
Solder Wire	7.24278	mg	Α	Lead (Pb)	7439-92-1	7a	6.8806	mg
			Supplier	Tin (Sn)	7440-31-5		0.3621	mg
Wire Bond - Al	28.5763	mg	Supplier	Aluminum (Al)	7429-90-5		28.5763	mg
Wire Bond - Cu	0.1304	mg	Supplier	Copper (Cu)	7440-50-8		0.1304	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).