C	Material Composit © Copyright 2005. IPC, I nternational and Pan-An	Bannockbi	urn, Illinois. A	ll rights reserved untions.	under both	This docum level parts,	ent is a decla	ration of	the substances passes all low	s within the manufact er level materials for	urer listed which the	item. Note: if manufacturer	the item is an a has engineering	ssembly with lower responsibility.	
					Form Type Distribute					rials and Mfg Information					
Supplier Informati	on														
Company name*			Company unique ID			Unique ID Authority				Respor	Response Date*				
onsemi											2024-0	2024-05-18			
Contact Name			Title - Contact				Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Representative			Phone - Representative*				Email	Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com				
Requester Ite	Requester Item Number Mfr Item		Number Mfr Item Name				Effective D	ate Ve	rsion	Manufacturing Site		Weight*	UOM	Unit Type	
		FCMT199N60		SF2 600V 199mOhm f PQFN88			2024-05-18			РВВ		156.0655	mg	Each	
Manufacturing Pro	occess Information	I													
Terminal Plating / Grid Array Material Term			erminal Base A	inal Base Alloy J-STD-020 MSL Ratin			Peak Process Body Temperature Max Time at Peak			k Tempera	Temperature Number of Reflow Cycles				
Matte Tin (Sn) - annealed CU Alloy			U Alloy		1		260		С	30	seco	nds 3			
Comments															
level 1 - maximum time	at peak temperature d	uring sole	dering is 10-3	0 seconds											
For more information r	egarding material com	position p	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), Disobutyl 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, admium, 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 ontains 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 ncompass 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, s 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 informationprovided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not ndependently verified information provided by others, Supplier agrees that, at a minimum, itsuppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the ertification in the sole and exclusivesource of the Supplier rinto 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 has agreement, will be the sole and exclusivesource of such written agreement, the varranty rights and/or remedies of Supplier's Standard Terms andConditions of Sale applicable to such p											
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	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	8.46	mg	Supplier	Silicon (Si)	7440-21-3		8.46	mg
Die Attach Solder	5.135	mg	Supplier	Silver (Ag)	7440-22-4		0.1284	mg
			А	Lead (Pb)	7439-92-1	7a	4.7499	mg
			Supplier	Tin (Sn)	7440-31-5		0.2568	mg
Lead Frame	27.5725	mg	Supplier	Silver (Ag)	7440-22-4		0.0062	mg
			Supplier	Tin (Sn)	7440-31-5		3.7	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0263	mg
			Supplier	Iron (Fe)	7439-89-6		0.54	mg
			Supplier	Copper (Cu)	7440-50-8		23.3	mg
Mold Compound-Black	112.99	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		10.2	mg
			Supplier	Carbon Black (C)	1333-86-4		1.13	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		99.4	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		2.26	mg
Wire Bond - Al	1.69	mg	Supplier	Aluminum (Al)	7429-90-5		1.69	mg
Wire Bond - Cu	0.218	mg	Supplier	Palladium (Pd)	7440-05-3		0.0044	mg
			Supplier	Copper (Cu)	7440-50-8		0.2136	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).