	© Copyright 2005. I international and Pa	<b>Dosition De</b> IPC, Bannockt n-American co	<b>claration</b> ourn, Illinois. <i>A</i> opyright conve	All rights reserved untions.	under both	This docume level parts, t	ent is a declarat he declaration e	ion of the sencompass	substances es all lowe	within the r level mat	manufactur erials for wh	er listed ite	em. Note: if anufacturer	f the item is an as has engineering	sembly with lowe responsibility.	
1752-21.1	1 IPC Web Site for Information on IPC-1752 Standard Form T				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					eous Materia	als and Mfg Information				
Supplie	r Information															
Company name* Comp				ompany unique ID			Unique ID Authority					Response Date*				
onsemi													2024-04-23			
Contact N	Name		Title - Contact				Phone - Contact*					Email - Contact*				
Product-	Env-Stewards	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com					
uthorize	ed Representative*	Title - Representative				Phone - Representative*				Email - Representative*						
Product-	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Date	Date Version Manufacturing Site		ing Site	v	Veight*	UOM	Unit Type		
	FCP20N60 SF1 60			SF1 600V 190m0	F1 600V 190mOhm E TO220		2024-04-23			СРА		2	030.181	mg	Each	
Aanufa	acturing Proccess Informa	ntion							ľ							
	Terminal Plating / Grid Array Material		Ferminal Base Alloy J-STD-020 M		J-STD-020 MSL	Rating	Peak Process Body Temperat		Temperatu	ure Max Time at Peak Temper		Temperatu	ire Numb	er of Reflow Cyc	les	
Matte Tin (Sn) - annealed		CU Alloy NA			0 C		С	<b>30</b> se		second	ls 3					
omments	S															
or more	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		mium (Cr6+), Polybrominated Biphenyls (Pl		dmium and quantity limit of 0.1% by mass (10 minated Diphenyl Ethers (PBDE), and Bis(2-et					
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 ifies 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 fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.									
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.

sigma range of distribution unless	otherwise noted).							
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	2.81	mg	Supplier	Silicon (Si)	7440-21-3		2.81	mg
Die Attach Solder	1.111	mg	Supplier	Silver (Ag)	7440-22-4		0.0278	mg
			А	Lead (Pb)	7439-92-1	7a	1.0277	mg
			Supplier	Tin (Sn)	7440-31-5		0.0555	mg
Lead Frame	1492.12	mg	В	Nickel (Ni)	7440-02-0		0.1492	mg
			Supplier	Iron (Fe)	7439-89-6		1.4921	mg
			Supplier	Copper (Cu)	7440-50-8		1490.031	mg
			Supplier	Phosphorus (P)	7723-14-0		0.4476	mg
Mold Compound-Black	518.4	mg		Proprietary	proprietary data		25.92	mg
			Supplier	Carbon Black (C)	1333-86-4		2.592	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		386.208	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		77.76	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		25.92	mg
Plating	13.3	mg	Supplier	Tin (Sn)	7440-31-5		13.3	mg
Wire Bond - Al	2.44	mg	Supplier	Aluminum (Al)	7429-90-5		2.44	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 signa range of distribution unless otherwise noted).