© Copyrigh	Composition De t 2005. IPC, Bannockt l and Pan-American co	ourn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declar he declaration	ation of the encompass	substance ses all low	s within the manufactu er level materials for v	urer listed which the	item. Note: manufacture	if the item is an as r has engineering	sembly with lower responsibility.	
				Form Type Distribute					rials and N	ials and Mfg Information				
Supplier Information														
Company name*	Company un	Company unique ID			Unique ID Authority				Respon	Response Date*				
On Semiconductor									2021-02	2021-02-04				
Contact Name Titl			Title - Contact			Phone - Contact*				Email ·	Email - Contact*			
Product-Env-Stewards Pr			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Titl			Title - Representative			Phone - Representative*			Email ·	Email - Representative*				
Product-Env-Stewards	Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com					
Requester Item Number	Requester Item Number Mfr Item		Number Mfr Item Name			Effective Da	te Versio	n	Manufacturing Site		Weight*	UOM	Unit Type	
	RFD14N	RFD14N05LSM FET		FET 50V 100.0 mOhm DPAK		2021-02-04			СИЈ		329.241	mg	Each	
Manufacturing Proccess In	formation													
Terminal Plating / Grid Array Material Terminal Bas		erminal Base A	Alloy	J-STD-020 MSI	L Rating	Peak Pr	cess Body	Temperati	are Max Time at Peal	k Tempera	ture Num	ber of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		260		С	30	seco	nds 3			
Comments														
level 1 - maximum time at peak te	mperature during sol	dering is 10-3	0 seconds											
For more information regarding r	naterial 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 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 temperature type solders (i.e. lead based solder alloys containing 85% by weight or more 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.

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	
Die	5.16	mg	Supplier	Silicon (Si)	7440-21-3		5.16	mg	
Die Attach Solder	5.026	mg	Supplier	Silver (Ag)	7440-22-4		0.1257	mg	
			А	Lead (Pb)	7439-92-1	7a	4.6491	mg	
			Supplier	Tin (Sn)	7440-31-5		0.2513	mg	
Lead Frame	167.854	mg	Supplier	Tin (Sn)	7440-31-5		0.168	mg	
			В	Nickel (Ni)	7440-02-0		0.168	mg	
			Supplier	Copper (Cu)	7440-50-8		167.518	mg	
Mold Compound-Black	149.268	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		11.195	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.746	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		123.893	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		13.434	mg	
Plating	1.092	mg	Supplier	Tin (Sn)	7440-31-5		1.092	mg	
Wire Bond - Al	0.841	mg	Supplier	Aluminum (Al)	7429-90-5		0.841	mg	