BEC Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
	2-21.1 IPC Web Site for Information on IPC-1752 Standard Form http://www.ipc.org/IPC-175x Dist				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information				on				
Supplier Information													
Company name* Company u			nique ID			Unique ID Authority				Response Date*			
On Semiconductor										2021-02-03			
Contact Name Title - Contact			itact			Phone - Contact*				Email - Contact*			
Product-Env-Stewards Product Envi			viro Compliance		NA			Produ	Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Repres			esentative		Phone - Representative*			Email	Email - Representative*				
Product-Env-Stewards Product En			Enviro Compliance			NA			Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item Number		Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
	FDD561	FDD5614P FET -60V 100.0		nOhm DPAK		2021-02-03 CPA		СРА		311.595	mg	Each	
Manufacturing Proccess Informa	ition												
Terminal Plating / Grid Array M	Terminal Plating / Grid Array Material Terminal Base A		Alloy J	-STD-020 MSL	Rating	Peak Proce	ss Body Tempe	rature Max Time at Peal	k Tempera	ature Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy		1			260	С	30	seco	onds 3				
Comments													
evel 1 - maximum time at peak temperat	ure during sol	ldering is 10-3	0 seconds										
or more information regarding materia	composition	please refer to	page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chro	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), Dibutyl 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 informationprovided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently 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 certification in this paragraph. If the Company and the Supplier is used 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 liability and the Company's remedies for uses that arise regarding information the Supplier provides in this form. In the absence of such											
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	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	150.208	mg	Supplier	Tin (Sn)	7440-31-5		0.1802	mg
			В	Nickel (Ni)	7440-02-0		0.0751	mg
			Supplier	Copper (Cu)	7440-50-8		149.9526	mg
Mold Compound-Black	149.268	mg	Supplier	Brominated Epoxy Resin-2	68541-56-0		3.7317	mg
			Supplier	Other Epoxy resins	Proprietary Data		14.9268	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		2.9854	mg
			Supplier	Carbon Black (C)	1333-86-4		0.4478	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		119.7129	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		7.4634	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

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).