IPC  ASSOCIATION CON ELECTRONICS INC	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under bo international and Pan-American copyright conventions.		der both	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with low level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
752-21.1		IPC Web Site for Information on IPC-1752 Standard  Form Typhttp://www.ipc.org/IPC-175x  Distribute				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfc Information				
upplier In	nformation													
Company name*			Company unique ID			Ţ	Unique ID Authority				Response Date*			
On Semiconductor											2021-02-03			
Contact Name	e	Title - Contact			I	Phone - Contact*				Email - Contact*				
Product-Env-	-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
uthorized R	epresentative*	Title - Representative			I	Phone - Representative*				Email - Representative*				
roduct-Env-	-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Re	equester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Version	N	Manufacturing Site	W	eight*	UOM	Unit Type
		FDD86567-F085 NMOS DPAR		NMOS DPAK 60V	AK 60V 3.2 mOhm		2021-02-03 PBB		PBB	26	0.36914	mg	Each	
	ring Process Information   Orid Array N		Comminal Daga	Allow	STD-020 MS	I. Dating	Dools Duo	age Dody T	·	e Max Time at Peak	Tommorotum	a Numbe	er of Reflow Cyc	alac
		Terminal Base Alloy J-ST CU Alloy 1		S I D-020 MS	L Kanng	260	ess Body 1	s Body Temperature   Max Time at Peak   C   30		seconds 3		er of Reflow Cyc	cies	
omments	itte 1111 (511) - annealeu		Alloy	1			1200		IC	30	seconds	<u> </u>		
	mum time at peak tempera	ture during sol	Idering is 10.3	SO seconds										
	ormation regarding materia	8												

RoHS Material Composition Declaration			Declaration Type *	Detailed						
Priective 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), Diisobutyl 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 information provided 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, its 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 enter into 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 that agreement, will be the sole and exclusivesource of the Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.										
RoHS Declaration * 4 - Item(s	) does not contain RoHS restricted substance	s per the definition above except for selected exemp	tions 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 f Requester) and click on Submit Form to ha		Accepted" on the Supplier Acceptance drop-dow	n. This will display the signature area. Digita	lly sign the declaration (if required by the						
Supplier Digital Signature Ra	astislav Drska	-En								

## **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	1.84	mg	Supplier	Silicon (Si)	7440-21-3		1.84	mg
Die Attach Solder	5.37785	mg	Supplier	Silver (Ag)	7440-22-4		0.1344	mg
			A	Lead (Pb)	7439-92-1	7a	4.9745	mg
			Supplier	Tin (Sn)	7440-31-5		0.2689	mg
Lead Frame	145.343		Supplier	Tin (Sn)	7440-31-5		0.2035	mg
			В	Nickel (Ni)	7440-02-0		0.6686	mg
			Supplier	Copper (Cu)	7440-50-8		144.4709	mg
Mold Compound-Black	105.876		Supplier	Ortho Cresol Novolac Resin	29690-82-2		21.1752	mg
			Supplier	Carbon Black (C)	1333-86-4		1.0588	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		83.642	mg
Plating	1.092	mg	Supplier	Tin (Sn)	7440-31-5		1.092	mg
Wire Bond - Al	0.840288	mg	Supplier	Aluminum (Al)	7429-90-5		0.8403	mg