ASSOCIATION CONNECTING ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES international and Pa	IPC, Bannockt	ourn, Illinois. A	Ill rights reserved untions.	under both	This docume level parts, t	ent is a declar he declaration	ation of the encompass	substances es all lowe	within the materia	anufacture als for whi	er listed item ich the manu	Note: if	the item is an as has engineering	ssembly with low responsibility.
	IPC Web Site for Information on IPC-1752 Standard Form Ty http://www.ipc.org/IPC-175x Distribut				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					als and Mfg Information			
Supplier Information														
Company name* Compar			mpany unique ID			Unique ID Authority					Response Date*			
onsemi											2022-02-10			
ontact Name Title - Contact				Phone - Contact*						Email - Contact*				
Product-Env-Stewards Product Enviro			viro Compliance			NA					Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Representati			entative P			Phone - Representative*			Email - Representative*					
Product-Env-Stewards Product En			ct Enviro Compliance			NA					Product-Env-Stewards@onsemi.com			
Requester Item Number	quester Item Number Mfr Item Num		Number Mfr Item Name			Effective Da	te Versio	n ]	Manufacturing Site		Wei	ght*	UOM	Unit Type
	FDB863	FDB86363-F085 NMOS D2PAK 80		30V 2.3 mOhm		2022-02-10		1	PBB		148	5.098	mg	Each
Ianufacturing Proccess Informa	ation													
Terminal Plating / Grid Array M	ninal Plating / Grid Array Material Terminal Base Alloy			J-STD-020 MS	L Rating Peak Process Body Temperature Max Time at				e at Peak T	ak Temperature Number of Reflow Cycles				
Matte Tin (Sn) - annealed CU Alloy			1		245		С	30		seconds	3			
omments														
vel 1 - maximum time at peak temperat	ure during so	Idering is 10-3	0 seconds											
or more information regarding materia	l 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 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.

sigma range of distribution unless	otherwise noted).							
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	12.3	mg	Supplier	Silicon (Si)	7440-21-3		12.3	mg
Die Attach Solder	7.33	mg	Supplier	Silver (Ag)	7440-22-4		0.1832	mg
			А	Lead (Pb)	7439-92-1	7a	6.7803	mg
			Supplier	Tin (Sn)	7440-31-5		0.3665	mg
Lead Frame	860.318	mg	Supplier	Tin (Sn)	7440-31-5		1.0324	mg
			В	Nickel (Ni)	7440-02-0		0.4302	mg
			Supplier	Copper (Cu)	7440-50-8		858.8555	mg
Mold Compound-Black	595.0	mg		Metal Hydroxide	proprietary data		20.825	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		47.6	mg
			Supplier	Carbon Black (C)	1333-86-4		2.975	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		476	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		47.6	mg
Plating	5.52	mg	Supplier	Tin (Sn)	7440-31-5		5.52	mg
Wire Bond - Al	4.63	mg	Supplier	Aluminum (Al)	7429-90-5		4.63	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).