ASSOCIATION CONNECTING LECTRANICS INDUSTRIES	PC. Bannockl	ourn. Illinois. A	ll rights reserved u ntions.	nder both	This docum level parts, t	ent is a declaration en	n of the substa compasses all	nces within the manufactu ower level materials for w	rer listed it which the m	tem. Note: it nanufacturer	f the item is an as has engineering	sembly with lower responsibility.	
	21.1 IPC Web Site for Information on IPC-1752 Standard Form Distri				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information					on			
Supplier Information													
Company name* Compan		Company uni	pany unique ID			Unique ID Authority				Response Date*			
On Semiconductor										2021-02-03			
Contact Name Title - Conta			ontact			Phone - Contact*			Email - Contact*				
Product-Env-Stewards Product Env			Enviro Compliance		NA			Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Repr			presentative		Phone - Representative*			Email - Representative*					
Product-Env-Stewards Product			oduct Enviro Compliance			NA			Product	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	Version	Manufacturing Site	1	Weight*	UOM	Unit Type	
	ES1D	ES1D UF		UFR SMA PN 1A 200V		2021-02-03		PANJITFG		57.9	mg	Each	
Manufacturing Proccess Informa	tion												
Terminal Plating / Grid Array M	Terminal Plating / Grid Array Material Terminal Base		lloy J-STD-020 MSL Rating		Peak Process Body Temperature Max Time at Peak		Temperature Number of Reflow Cycles						
Matte Tin (Sn) - annealed CU Alloy		CU Alloy	1	1		260	С	30	secon	ds 3			
Comments													
evel 1 - maximum time at peak temperat	ure during so	ldering is 10-3	0 seconds										
for more information regarding material	composition	please refer to	page 3										

RoHS Material Composition Declar	ation			Declaration Type *	Detailed				
Directive 2015/863/EU amending Rol Directive 2011/65/EU	(Pb), Mercury (Hg), Hexav		ninated Biphenyls (PBB), Polybror	dmium and quantity limit of 0.1% by mass (100 ninated Diphenyl Ethers (PBDE), and Bis(2-eth					
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, admium, 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, to 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 ndependently 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 verification in this paragraph. If the Company and the Supplier 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 hat agreement, will be the sole and exclusivesource of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms andConditions of Sale applic									
<b>RoHS Declaration *</b> 4	- Item(s) does not contain RoHS restr	icted substances per the definition	above except for selected exempti	ons Supplier Acceptance	* Accepted				
Exemption: 7a: Lead in high meltin Exemption: 7c-I Electrical and elect	g temperature type solders (i.e. lead ronic components containing lead i	l based solder alloys containing n a glass or ceramic other than	85% by weight or more lead). dielectric ceramic in capacitors, o	e.g. piezoelectronic devices, or in a glass or ce	eramic matrix compound.				
Exemption List Version	EL-2011/534/EU								
Declaration Signature									
Instructions: Complete all of the rec Requester) and click on Submit For			Supplier Acceptance drop-down	. This will display the signature area. Digital	ly sign the declaration (if required by the				
Supplier Digital Signature	Rastislav 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	0.764	mg	А	Lead (Pb)	7439-92-1	7c	0.0367	mg
			Supplier	Silicon (Si)	7440-21-3		0.7166	mg
			В	Nickel (Ni)	7440-02-0		0.0069	mg
			Supplier	Gold (Au)	7440-57-5		0.0038	mg
Die Attach Solder	2.25	mg	Supplier	Silver (Ag)	7440-22-4		0.0563	mg
			А	Lead (Pb)	7439-92-1	7a	2.0812	mg
			Supplier	Tin (Sn)	7440-31-5		0.1125	mg
Lead Frame	27.5903	mg	Supplier	Iron (Fe)	7439-89-6		0.0331	mg
			Supplier	Copper (Cu)	7440-50-8		27.5489	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0083	mg
Mold Compound-Black	36.69	mg		Metal Hydroxide	proprietary data		1.2842	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		2.9352	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1834	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		29.352	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		2.9352	mg
Plating	0.6057	mg	Supplier	Tin (Sn)	7440-31-5		0.6057	mg