ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® INCLUSTRIES®	nposition De 5. IPC, Bannockt Pan-American co	claration ourn, Illinois. <i>A</i> opyright conve	All rights reserved u ntions.	nder both	This docume level parts, ti	ent is a declaration en declaration	on of the substan	ces within the ma wer level materi	anufacturer list als for which t	ed item. Note: if he manufacturer	the item is an as has engineering	ssembly with low responsibility.	
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater				s Materials and	ials and Mfg Information			
upplier Information													
ompany name*	Company un	Company unique ID			Unique ID Authority				Response Date*				
nsemi									2023-06-08				
Contact Name Title - C			le - Contact			Phone - Contact*				Email - Contact*			
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Tit			Title - Representative			Phone - Representative*			Ema	Email - Representative*			
roduct-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	Mfr Item	n Number	Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
	FNB515	FNB51560TD1 IPM SPM:		SPM55_V2 600V 15A		2023-06-08		СРА		7213.295	mg	Each	
Ianufacturing Proccess Inform	nation									-			
Terminal Plating / Grid Array	Terminal Plating / Grid Array Material Terminal Base		Alloy J-STD-020 MSL Rat		L Rating	Peak Process Body Temperature Ma		ature Max Time	e at Peak Temp	erature Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed		CU Alloy NA			0 C		30	se	econds 3				
omments													
or more information regarding mate	rial composition	please refer to	page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed					
Directive 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 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 Supplier of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms andConditions of Sale applicable to such part shall apply.										
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	23.0	mg	Supplier	Silicon (Si)	7440-21-3		23	mg
Die Attach Solder	13.0	mg	Supplier	Silver (Ag)	7440-22-4		0.325	mg
			А	Lead (Pb)	7439-92-1	7a	12.025	mg
			Supplier	Tin (Sn)	7440-31-5		0.65	mg
Lead Frame	2883.0	mg	Supplier	Silver (Ag)	7440-22-4		0.9802	mg
			Supplier	Iron (Fe)	7439-89-6		2.883	mg
			Supplier	Copper (Cu)	7440-50-8		2871.468	mg
			Supplier	Phosphorus (P)	7723-14-0		7.6688	mg
Mold Compound-Black	4187.0	mg	Supplier	2,6-dibromo-4-[1-(3-bromo-4- hydroxyphenyl)-1-methylethyl]phenol	6386-73-8		20.935	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		167.48	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		209.35	mg
			Supplier	Carbon Black (C)	1333-86-4		20.935	mg
			Supplier	Silica (SiO2)	14464-46-1		3558.9502	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		209.35	mg
Plating	53.2947	mg	Supplier	Tin (Sn)	7440-31-5		53.2947	mg
Potting	36.0	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		30.6	mg
			Supplier	Inorganic Filler of Solder Mask_Talc (Mg3Si4O10(OH)2)	14807-96-6		1.8	mg
			Supplier	Calcium Carbonate (CCaO3)	471-34-1		3.6	mg
Wire Bond - Al	13.0	mg	Supplier	Aluminum (Al)	7429-90-5		13	mg
Wire Bond - Cu	5.0	mg	Supplier	Palladium (Pd)	7440-05-3		0.1	mg
			Supplier	Copper (Cu)	7440-50-8		4.9	mg