	N CONNECTING IN CONNECTING IN CONNECTING IN CONNECTING IN CONNECTING IN CONNECTING	<b>Dosition Dee</b> IPC, Bannockt n-American co	<b>claration</b> ourn, Illinois. <i>A</i> opyright conve	Il rights reserved u ntions.	nder both	This docume level parts, t	ent is a declarati he declaration e	on of the substa ncompasses all	ances within the lower level mat	manufacture erials for whi	er listed iten ich the man	n. Note: if fufacturer h	the item is an as has engineering	sembly with loweresponsibility.
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type   http://www.ipc.org/IPC-175x Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mf					Informatio	n		
Supplier	r Information													
Company name* Company unique ID					Unique ID Authority					Response Date*				
onsemi											2024-05-19			
Contact N	lame	Title - Contact			]	Phone - Contact*				Email - Contact*				
Product-H	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*	Title - Representative			]	Phone - Representative*				Email - Representative*				
Product-Env-Stewards Produc				Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
	Requester Item Number Mfr Item		Number	Number Mfr Item Name			Effective Date Version Manufacturing		ring Site	Weight*		UOM	Unit Type	
	FNA41560T2 IPM SPM45_V2 600V		600V 15A LL		2024-05-19		СРА	СРА		13.298	mg	Each		
/Ianufa	cturing Proccess Informa	tion									1			
	Terminal Plating / Grid Array Material		Cerminal Base	minal Base Alloy J-STD-020 MSI		L Rating	Peak Process Body Temperatu		erature Max Ti	ure Max Time at Peak Tempera		e Numbe	r of Reflow Cyc	eles
Matte Tin (Sn) - annealed CU Allo		CU Alloy	1	NA		0	С	30		seconds	3			
omments	6													
or more i	information regarding material	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 information provided by others, Supplier agrees that, at a minimum, itssuppliers 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 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 sisues 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 fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.												
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	37.4431	mg	Supplier	Silicon (Si)	7440-21-3		37.4431	mg
Die Attach	2.3868	mg	Supplier	Silver (Ag)	7440-22-4		1.7901	mg
			Supplier	Phenolic Resin-2	54208-63-8		0.5967	mg
Die Attach Solder	43.092	mg	Supplier	Silver (Ag)	7440-22-4		1.0773	mg
			А	Lead (Pb)	7439-92-1	7a	39.8601	mg
			Supplier	Tin (Sn)	7440-31-5		2.1546	mg
Heat Sink Attach	23.1894	mg	Supplier	Dicyandiamine	461-58-5		1.6233	mg
		-	Supplier	Ortho Cresol Novolac Resin	29690-82-2		1.8552	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		19.711	mg
ead Frame	3510.64	mg	Supplier	Silver (Ag)	7440-22-4		884.6813	mg
			Supplier	Copper (Cu)	7440-50-8		2625.9585	mg
Mold Compound-Black	6269.7	mg	Supplier	Polymer(phenyl glycidil ether)-co- dicyclopentadiene	119345-05-0		250.788	mg
			Supplier	4,4'-Bis(2,3-epoxypropoxy)-3,3',5,5'- tetramethylbiphenyl	85954-11-6		250.788	mg
			Supplier	Carbon Black (C)	1333-86-4		31.3485	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		5423.2905	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		62.697	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		250.788	mg
Plating	60.7986	mg	Supplier	Tin (Sn)	7440-31-5		60.7986	mg
Substrate	1138.32	mg	Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		1104.1704	mg
			Supplier	Silicon Dioxide (SiO2)	99493-55-7		11.3832	mg
			Supplier	Cobalt Oxide (CoO)	1307-96-6		11.3832	mg
			Supplier	Manganese Tetraoxide (Mn3O4)	1317-35-7		11.3832	mg
Thermistor	4.4737	mg	Supplier	Silver (Ag)	7440-22-4		0.3579	mg
			Supplier	Tin (Sn)	7440-31-5		0.076	mg
			Supplier	Nickel Oxide (NiO)	1313-99-1		1.1631	mg
			Supplier	Palladium (Pd)	7440-05-3		0.1521	mg
			Supplier	Iron Trioxide (Fe2O3)	1309-37-1		0.0002	mg
			В	Nickel (Ni)	7440-02-0		0.0313	mg
			Supplier	Cobalt Oxide (Co3O4)	1308-06-1		0.7694	mg
			Supplier	Manganese Tetraoxide (Mn3O4)	1317-35-7		1.9236	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)

Wire Bond - Al	22.005	mg	Supplier	Aluminum (Al)	7429-90-5	22.005	mg
Wire Bond - Cu	1.2488	mg	Supplier	Copper (Cu)	7440-50-8	1.2488	mg