IPC ASSOCIATION CONNECTED ELECTRONICS INDUST	© Copyright 2005. IP	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower 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 Typ http://www.ipc.org/IPC-175x Distribute				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater						Mfg Int	formation	1		
Supplier Info	rmation															
Company name*			Company unique ID			Ţ	Unique ID Authority					Response Date*				
nsemi													2024-04-17			
Contact Name		Title - Contact			I	Phone - Contact*					Email - Contact*					
Product-Env-Ste	wards	Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com					
uthorized Repre	esentative*	Title - Representative			I	Phone - Representative*				Email	Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com				
Reque	ester Item Number Mfr Iter		em Number Mfr Item Name				Effective Dat	te Versi	ersion Manufacturing Site		te	Weight*		UOM	Unit Type	
		FDMA86151L FET		FET 100V 88.0 r	FET 100V 88.0 mOhm MLP22		2024-04-17 TH2		H2		9.879 mg		Each			
Ianufacturin	g Proccess Informat	ion						,				<u>'</u>				
Termin	nal Plating / Grid Array Ma	terial 7	Terminal Base Alloy		J-STD-020 MS	STD-020 MSL Rating		Peak Process Body Temperat		re Max Time at Peak Temper		ature Number of Reflow Cycles		eles		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		dAu) (no	CU Alloy 1		1		260		C	30	seco	onds	3			
Comments																
vel 1 - maximun	n time at peak temperatu	re during so	ldering is 10-3	30 seconds												
or more informa	ation regarding material o	composition	please refer to	page 3												

RoHS Material Composition Declaration			Declaration Type *	Detail	ed
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		ium (Cr6+), Polybrominated Biphenyls (PB)	erial for Cadmium and quantity limit of 0.1% b B), Polybrominated Diphenyl Ethers (PBDE), a		
cadmium, hexavalentchromium, polybromin contains a RoHS restricted substance inexce encompass all such components. Supplier cet as of the date that Supplier completes this Company acknowledges that Supplier may hindependently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated diphess of an applicable quantity limit, please indriffes that it gathered the information it provom. Supplier acknowledges that Company wave relied on informationprovided by others of the supplier agrees that, at a minimusy and the Supplier enter into a written agree yesource of the Supplier's liability and the C	enyl ethers (each a "RoHS restricted substan licate below which, if any, RoHS exemption vides in this form using appropriate methods vill rely on this certification in determining the s in completing this form, and that Supplier um, itssuppliers have provided certifications ement with respect to the identified part, the tompany's remedies for issues that arise rega	s of the European Union member states) of the ce") in excess of the applicable quantity limit is you believe may apply. If the part is an assemb to ensure its accuracy and that such informatio e compliance of its products with European Ur may not have independently verified such infor regarding their contributions to the part, and the erms and conditions of that agreement, including information the Supplier provides in this	dentified above. If a ally with lower level in is true and correct at it in member state la mation. However, in ose certifications are ag any warranty righ	homogeneous material within the part components, the declaration shall to the best of its knowledge and belief, was that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the lats and/or remedies provided as part of
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	Accepted
Exemption: If the declared item does not applicable exemptions.	contain RoHS restricted substances per t	he definition above except for defined Rol	IS exemptions, then select the corresponding	response in the R	oHS Declaration above and choose all
Exemption List Version	EL-2011/534/EU				
Declaration Signature					
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	the declaration (if required by the

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	0.569	mg	Supplier	Silicon (Si)	7440-21-3		0.569	mg
Die Attach Epoxy	0.108	mg	Supplier	Poly(oxypropylene)diamine	9046-10-0		0.0032	mg
			Supplier	Miscellaneous	Trade Secret		0.0054	mg
			Supplier	Silver (Ag)	7440-22-4		0.0918	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0076	mg
Lead Frame	4.24	mg	Supplier	Zinc (Zn)	7440-66-6		0.006	mg
			Supplier	Iron (Fe)	7439-89-6		0.102	mg
			Supplier	Copper (Cu)	7440-50-8		4.13	mg
			Supplier	Phosphorus (P)	7723-14-0		0.002	mg
Mold Compound-Black	4.878	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.488	mg
			Supplier	Carbon Black (C)	1333-86-4		0.049	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		4.341	mg
Plating	0.049	mg	Supplier	Palladium (Pd)	7440-05-3		0.004	mg
			В	Nickel (Ni)	7440-02-0		0.044	mg
			Supplier	Gold (Au)	7440-57-5		0.001	mg
Wire Bond - Cu	0.035	mg	Supplier	Copper (Cu)	7440-50-8		0.035	mg