ASSOCIATION CONNECTED ELECTRONICS INDUST	© Copyright 2005, IPC.	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 low 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				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater						s and Mfg	Informatio	on		
Supplier Info	rmation															
Company name*			Company unique ID			τ	Unique ID Authority					Response Date*				
nsemi													2023-06-08			
Contact Name			Title - Contact			F	Phone - Contact*]	Email - Contact*				
Product-Env-Ste	ewards	Product Enviro Compliance			1	NA					Product-Env-Stewards@onsemi.com					
uthorized Repr	esentative*	Title - Representative			I	Phone - Representative*]	Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance]	NA					Product-Env-Stewards@onsemi.com				
Reque	ester Item Number Mfr Iter		Item Number Mfr Item Name				Effective Date	e Version	n N	Manufacturing Site		We	ight*	UOM	Unit Type	
		FAN21SV04EMPX 4A		4A 24V Buck Regulator			2023-06-08 TH6			68.845		mg	Each			
Ianufacturin	ng Proccess Informatio	n														
Termin	ıl Plating / Grid Array Material		Terminal Base Alloy		J-STD-020 MS	TD-020 MSL Rating		Peak Process Body Temperature		e Max Time at Peak Tempera		emperature	are Number of Reflow Cycles			
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		u) (no	CU Alloy		1		260		С	30 seco		seconds	3			
Comments																
vel 1 - maximur	m time at peak temperature	during so	ldering is 10-3	0 seconds												
or more informa	ation regarding material cor	nposition	please refer to	page 3												

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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, its suppliers 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 have provided as part of that agreement, will be the sole and exclusivesource 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 and Conditions of Sale appli											
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 contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
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	2.74	mg	Supplier	Silicon (Si)	7440-21-3		2.74	mg
Die Attach	0.518	mg	Supplier	Silver (Ag)	7440-22-4		0.4921	mg
			Supplier	Phenolic Resin-2	54208-63-8		0.0259	mg
Lead Frame	23.905	mg	Supplier	Zinc (Zn)	7440-66-6		0.048	mg
			Supplier	Iron (Fe)	7439-89-6		0.621	mg
			Supplier	Copper (Cu)	7440-50-8		23.2	mg
			Supplier	Phosphorus (P)	7723-14-0		0.036	mg
Mold Compound-Black	40.9	mg		Metal Hydroxide	proprietary data		1.4315	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		3.272	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2045	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		32.72	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		3.272	mg
Plating	0.233	mg	Supplier	Palladium (Pd)	7440-05-3		0.021	mg
			В	Nickel (Ni)	7440-02-0		0.209	mg
			Supplier	Gold (Au)	7440-57-5		0.003	mg
Wire Bond - Au	0.296	mg	Supplier	Gold (Au)	7440-57-5		0.296	mg
Wire Bond - Cu	0.253	mg	Supplier	Palladium (Pd)	7440-05-3		0.0051	mg
			Supplier	Copper (Cu)	7440-50-8		0.2479	mg