IPC ASSOCIATION ELECTRONIC	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights international and Pan-American copyright conventions.		All rights reserved un	nder both	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 Typhttp://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				Materials and	ials and Mfg Information			
upplier	r Information													
Company name*			Company un	Company unique ID			Unique ID Authority				Response Date*			
nsemi											2024-05-06			
ontact N	ame	Title - Contact			F	Phone - Contact*				Email - Contact*				
Product-F	Env-Stewards	Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com				
uthorize	d Representative*	Title - Representative			F	Phone - Representative*			Emai	Email - Representative*				
Product-Env-Stewards Produc				roduct Enviro Compliance			NA			Prod	Product-Env-Stewards@onsemi.com			
	Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	Version	Manufacturing S	Manufacturing Site		UOM	Unit Type	
		FAM65V05DF1 APM27 INV 600		7 50A Auto		2024-05-06 CPA			15121.541	mg	Each			
lanufa	cturing Process Inform Terminal Plating / Grid Array N		Terminal Base	Alloy	-STD-020 MS	I. Poting	Dank Drogg	see Rody Tamr	aratura May Tima a	t Daak Tampa	aratura Numba	r of Paflow Cv	clas	
	3 · · · · · · · · · · · · · · · · · · ·		CU Allov NA			L Katilig	Peak Process Body Temperature Max Time 0 C 30		Ι΄.	Peak Temperature Number of Reflow Cycles seconds 3				
omments	` ′		CC Alloy	1	11.1				30	Sec	Condo 5			
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	information regarding materia	l commodition	1 4	2										

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 (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (100 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 information provided 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 appl											
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
DBC	2416.55	mg	Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		966.6201	mg
			В	Nickel (Ni)	7440-02-0		24.1655	mg
			Supplier	Copper (Cu)	7440-50-8		1425.7645	mg
Die	52.1228	mg	Supplier	Silicon (Si)	7440-21-3		52.1228	mg
Die Attach	21.549	mg	Supplier	Silver (Ag)	7440-22-4		0.6465	mg
			Supplier	Tin (Sn)	7440-31-5		20.7948	mg
			Supplier	Copper (Cu)	7440-50-8		0.1077	mg
Die Attach Epoxy	1.34901	mg	Supplier	Poly(oxypropylene)diamine	9046-10-0		0.0405	mg
			Supplier	Silver (Ag)	7440-22-4		1.1467	mg
			Supplier	Proprietary	Proprietary Data		0.0675	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0944	mg
Die Attach Solder	1.07957	mg	Supplier	Silver (Ag)	7440-22-4		0.0324	mg
			Supplier	Tin (Sn)	7440-31-5		1.0418	mg
			Supplier	Copper (Cu)	7440-50-8		0.0054	mg
Lead Frame	3026.94	mg	Supplier	Silver (Ag)	7440-22-4		0.0303	mg
			Supplier	Iron (Fe)	7439-89-6		3.0269	mg
			Supplier	Copper (Cu)	7440-50-8		3022.9746	mg
			Supplier	Phosphorus (P)	7723-14-0		0.9081	mg
Mold Compound-Black	9436.02	mg	Supplier	Polymer(phenyl glycidil ether)-co- dicyclopentadiene	119345-05-0		377.4408	mg
			Supplier	4,4'-Bis(2,3-epoxypropoxy)-3,3',5,5'-tetramethylbiphenyl	85954-11-6		377.4408	mg
			Supplier	Carbon Black (C)	1333-86-4		47.1801	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		8162.1572	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		94.3602	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		377.4408	mg
Plating	113.724	mg	Supplier	Tin (Sn)	7440-31-5		113.724	mg
Wire Bond - Al	50.409	mg	Supplier	Aluminum (Al)	7429-90-5		50.409	mg
Wire Bond - Au	1.798	mg	Supplier	Gold (Au)	7440-57-5		1.798	mg