IPC ASSOCIATION ELECTRONIC	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				nder both	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.										
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 Mater					als and Mi	fg Informat	tion				
Supplier	r Information															
Company name* Company unique I				ique ID	ue ID Un			Unique ID Authority					Response Date*			
onsemi												2023-06-08				
Contact N	lame	Title - Contact]	Phone - Contact*				Email - Contact*						
Product-I	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Authorize	ed Representative*	Title - Representative]	Phone - Representative*				Email - Representative*						
Product-I	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Da	Effective Date Version Manufacturi		ring Site	Weight*		UOM	Unit Type		
		DF005M	005M BR MDIP		P PN 1.5A 50V		2023-06-08			PANJITFG		3	26.8213	mg	Each	
Manufa	cturing Proccess Informat	tion														
	Terminal Plating / Grid Array Material Terminal Plating / Grid Array Material		erminal Base Alloy J-STD-020 M		-STD-020 MSI	L Rating	Peak Process Body Temperate		ture Max Time at Peak Temper		Temperati	ure Numb	ber of Reflow Cyc	eles		
	Matte Tin (Sn) - annealed C		CU Alloy NA		NA		0	0 C		30 seco		secono	ds 3			
omments	3															
or more	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 information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier 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 enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Ilability 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 St											
RoHS Declaration * 4 - Item(s	s) does not contain RoHS restricted substance	ces per the definition above except for selected exer	nptions Supplier Acceptance	* Accepted							
Exemption: 7a: Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead). Exemption: 7c-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.											
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 R		,									

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	4.52	mg	A	Lead (Pb)	7439-92-1	7c	0.217	mg
			Supplier	Silicon (Si)	7440-21-3		4.2398	mg
			В	Nickel (Ni)	7440-02-0		0.0407	mg
			Supplier	Gold (Au)	7440-57-5		0.0226	mg
Die Attach Solder	9.8	mg	Supplier	Silver (Ag)	7440-22-4		0.245	mg
			A	Lead (Pb)	7439-92-1	7a	9.065	mg
			Supplier	Tin (Sn)	7440-31-5		0.49	mg
Lead Frame	116.12	mg	Supplier	Iron (Fe)	7439-89-6		0.1393	mg
			Supplier	Copper (Cu)	7440-50-8		115.9458	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0348	mg
Mold Compound-Black	195.3	mg		Metal Hydroxide	proprietary data		6.8355	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		15.624	mg
			Supplier	Carbon Black (C)	1333-86-4		0.9765	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		156.24	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		15.624	mg
Plating	1.0813	mg	Supplier	Tin (Sn)	7440-31-5		1.0813	mg