IPC ASSOCIATION CO	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			der both le	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				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfc Information				
upplier Iı	nformation								·					
Company name*			Company unique ID			τ	Unique ID Authority				Response Date*			
nsemi										2022-02-10				
Contact Nam	ne	Title - Contact			P	Phone - Contact*				Email - Contact*				
Product-Env	-Stewards		Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
uthorized R	Representative*	Title - Representative			P	Phone - Representative*				Email - Representative*				
Product-Env	y-Stewards	Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com				
R	Requester Item Number		Mfr Item Number Mfr		Mfr Item Name		Effective Date	Version	N	Manufacturing Site		eight*	UOM	Unit Type
		FQD6N50CTM QFC 500V 1.20		QFC 500V 1.20hm	DPAK		2022-02-10 CNJ		NJ	329	9.241	mg	Each	
Ianufactu	uring Proccess Informa	ation											·	
Terminal Plating / Grid Array Material Terminal Base Alloy J-S			STD-020 MSL 1	Rating	Peak Proc	ess Body Te	emperatur	e Max Time at Peak	Temperatur	e Numb	er of Reflow Cyc	les		
Ma	atte Tin (Sn) - annealed	(	CU Alloy	1			260		C	30	seconds	3		
omments														
vel 1 - maxi	mum time at peak tempera	ture during sol	ldering is 10	30 seconds										
or more info	ormation regarding materia	al composition	please refer t	o page 3										

RoHS Material Composition Declaration			Declaration Type *	Detailed						
Priective 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 knowledges 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 paragraph. If the Company and the Supplier 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 of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.										
RoHS Declaration * 4 - Item(s	) does not contain RoHS restricted substance	s per the definition above except for selected exemp	tions 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 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 Ra	astislav Drska	-En								

## **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	5.16	mg	Supplier	Silicon (Si)	7440-21-3		5.16	mg
Die Attach Solder	5.026	mg	Supplier	Silver (Ag)	7440-22-4		0.1257	mg
			A	Lead (Pb)	7439-92-1	7a	4.6491	mg
			Supplier	Tin (Sn)	7440-31-5		0.2513	mg
Lead Frame	167.854		Supplier	Tin (Sn)	7440-31-5		0.168	mg
			В	Nickel (Ni)	7440-02-0		0.168	mg
			Supplier	Copper (Cu)	7440-50-8		167.518	mg
Mold Compound-Black	149.268	mg		Epoxy resin	proprietary data		8.9561	mg
			Supplier	Phenolic Resin	Proprietary Data		8.9561	mg
			Supplier	Carbon Black (C)	1333-86-4		0.7463	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		126.8778	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		3.7317	mg
Plating	1.092	mg	Supplier	Tin (Sn)	7440-31-5		1.092	mg
Wire Bond - Al	0.841	mg	Supplier	Aluminum (Al)	7429-90-5		0.841	mg