© Copyright 2005. II	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 lowe level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.										
	.1 IPC Web Site for Information on IPC-1752 Standard For http://www.ipc.org/IPC-175x Dis				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials					als and Mfg	s and Mfg Information				
Supplier Information															
Company name*			Company unique ID			Unique ID Authority					Response Date*				
onsemi								2024			2024-05-2)24-05-21			
Contact Name Title - Contact			ct	t			Phone - Contact*					Email - Contact*			
Product-Env-Stewards Produc			roduct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Rep			Representative			Phone - Representative*				Email - Representative*					
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Item Number		Imber Mfr Item Name			Effective Date Version Manufacturing S		ing Site	We	eight*	UOM	Unit Type			
	FQD18N	FQD18N20V2TM QF 200V 14		mOhm DPAK		2024-05-21		(СРА		32	9.241	mg	Each	
Manufacturing Proccess Informat	ion		·			•							·		
Terminal Plating / Grid Array Ma	nal Plating / Grid Array Material Terminal Base A		Alloy	J-STD-020 MSL Rating		Peak Proc	Peak Process Body Temperatu		are Max Time at Peak Tem		Temperatur	Cemperature Number of Reflow Cycles		eles	
Matte Tin (Sn) - annealed CU Al		CU Alloy	1			260	260 C 30		30		seconds 3				
omments															
vel 1 - maximum time at peak temperatu	re during so	Idering is 10-3	0 seconds												
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), Disobutyl phthalate (DIBP).										
cadmium, hexavalentchromium, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company	ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in iffies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg	nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co	e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations are at least as comprehensive as the anty rights and/or remedies provided as part of						
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted subst	ances per the definition above except for sele	ected exempt	ions Supplier Acceptance	* Accepted						
Exemption: 7a: Lead in high melting temp	erature type solders (i.e. lead based sol	der alloys containing 85% by weight or m	ore lead).								
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required Requester) and click on Submit Form to h			e drop-dowi	a. This will display the signature area. Digita	lly sign the declaration (if required by the						
Supplier Digital Signature	astislav Drska	Le									

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.

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
			А	Lead (Pb)	7439-92-1	7a	4.6491	mg
			Supplier	Tin (Sn)	7440-31-5		0.2513	mg
Lead Frame	167.854	mg	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	Supplier	Brominated Epoxy Resin-2	68541-56-0		3.7317	mg
			Supplier	Other Epoxy resins	Proprietary Data		4.478	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		2.9854	mg
			Supplier	Carbon Black (C)	1333-86-4		0.7463	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		129.8632	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		7.4634	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

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 signa range of distribution unless otherwise noted).