IPC ASSOCIATION ELECTRONIC	© Copyright 2005	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			nder both le	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.									
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				aterials and	ials and Mfg Information				
upplie	r Information														
Company name*			Company unique ID			Ţ	Unique ID Authority				Respo	Response Date*			
nsemi											2024-	2024-05-20			
Contact N	lame	Title - Contact			F	Phone - Contact*				Email	Email - Contact*				
Product-	Env-Stewards		Product Enviro Compliance			1	NA				Prod	Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*		Title - Representative			F	Phone - Representative*				Email	Email - Representative*			
Product-	Env-Stewards		Product Enviro Compliance]	NA				Prod	Product-Env-Stewards@onsemi.com			
	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date Version Manufacturing Si		e	Weight*	UOM	Unit Type			
		FQD5P20TM QF -200V 1.		QF -200V 1.4ohm	ohm DPAK		2024-05-20		C	CNJ		311.595	mg	Each	
Ianufa	ecturing Process Inform						I					ļ., .			
	<u> </u>		, and the second		-STD-020 MSL F	Rating				ature Max Time at Peak Temp			per of Reflow Cyc	eles	
	Matte Tin (Sn) - annealed		CU Alloy	1			260		С	30	sec	onds 3			
omments															
	naximum time at peak tempera														
r more	information regarding materi	al 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 knowledges 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 applicable to such part shall										
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	150.208		Supplier	Tin (Sn)	7440-31-5		0.1802	mg
			В	Nickel (Ni)	7440-02-0		0.0751	mg
			Supplier	Copper (Cu)	7440-50-8		149.9526	mg
Mold Compound-Black	149.268		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