IPC ASSOCIATION CONNECT: ELECTRONICS INDUSTRI	© Copyright 2005. IF	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			der 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.								
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 Mater					ials and Mfc Information			
upplier Infor	mation								,					
Company name*			Company unique ID			J	Unique ID Authority				Response Date*			
nsemi											2025-08-01			
Contact Name			Title - Contact			I	Phone - Contact*				Email - Contact*			
Product-Env-Stew	vards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
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Product-Env-Stew	vards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Reques	Requester Item Number		Number	Mfr Item Name			Effective Date	Version	N	Manufacturing Site	V	Veight*	UOM	Unit Type
		FDLL4148-D87Z LL-34 S		LL-34 SINGLE JUI	L-34 SINGLE JUNCTION		2025-08-01		C	CN2		7.918	mg	Each
	g Process Informat		amain al D	Aller	STD-020 MSL	Dating	Dools Pro-	ago Dodr. T		e Max Time at Peak	Tommoret	Muse-la	er of Reflow Cyc	alac.
			Terminal Base Alloy J-ST CU Alloy 1		S I D-020 MSL	Rating						er of Reflow Cyc	cies	
•	in (Sn) - annealed	C	U Alloy	1			260		IC	30	second	ds 3		
omments			1 1 1 10	20 1										
	time at peak temperatu													
r more informat	tion regarding material o	composition j	please refer t	o page 3										

RoHS Material Composition Declaration			Declaration 7	Гуре *	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 has not independently verified information provided by others, Supplier agrees that, at a minimum, its uppliers 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 applic										
RoHS Declaration * 4 - Item(s	does not contain RoHS restricted substances	per the definition above except for sele	ted exemptions	Supplier Acceptance	* Accepted					
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 Ra	astislav Drska	E								

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	0.07	mg	Supplier	Silicon (Si)	7440-21-3		0.07	mg
Dumet Wire	18.175	mg	Supplier	Sulfur (S)	7704-34-9		0.0036	mg
			Supplier	Carbon (C)	7440-44-0		0.0273	mg
			Supplier	Manganese (Mn)	7439-96-5		0.2181	mg
			Supplier	Silicon (Si)	7440-21-3		0.0545	mg
			В	Nickel (Ni)	7440-02-0		6.0886	mg
			Supplier	Iron (Fe)	7439-89-6		7.5081	mg
			Supplier	Copper (Cu)	7440-50-8		4.2711	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0036	mg
Glass Encapsulation	9.273		Supplier	Boron Trioxide (B2O3)	1303-86-2		0.2782	mg
			A	Lead Oxide (PbO)	1317-36-8	7c	5.6751	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.0046	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		0.3477	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		2.9674	mg
Plating	0.4	mg	Supplier	Tin (Sn)	7440-31-5		0.4	mg