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	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				ials and Mfc Information				
upplier I	Information								,					
Company name*			Company unique ID			J	Unique ID Authority				Response Date*			
nsemi										2024-05-19				
Contact Nan	me	Title - Contact			I	Phone - Contact*				Email - Contact*				
Product-En	v-Stewards		Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
uthorized I	Representative*	Title - Representative			I	Phone - Representative*				Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
F	Requester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Version	N	Anufacturing Site	W	eight*	UOM	Unit Type
		NTMFS5C645NT1G 60 V 4.5 m 94 A 5		60 V 4.5 m 94 A Si	ingle N Channe	el	2024-05-19 MYE		ЛҮЕ	10	00.77	mg	Each	
Ianufact	uring Proccess Inform	ation												
Te	Terminal Plating / Grid Array Material Terminal Base Alloy			Alloy J-S	STD-020 MSL	MSL Rating Peak Process Body Temperature Max Time at Pea				Temperatu	re Numb	per of Reflow Cyc	eles	
M	Salution Iatte Tin (Sn) - annealed	C	CU Alloy	1			260		C	30	second	s 3		
omments														
vel 1 - max	ximum time at peak tempera	ture during sol	ldering is 10-3	0 seconds										
or more inf	formation regarding materia	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 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 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 has not 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 suc										
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
Clip	4.8	mg	Supplier	Zinc (Zn)	7440-66-6		0.0058	mg
			Supplier	Iron (Fe)	7439-89-6		0.1128	mg
			Supplier	Copper (Cu)	7440-50-8		4.68	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0014	mg
Die	2.0	mg	Supplier	Silicon (Si)	7440-21-3		2	mg
Die Attach Solder	2.33	mg	Supplier	Silver (Ag)	7440-22-4		0.0582	mg
			A	Lead (Pb)	7439-92-1	7a	2.1553	mg
			Supplier	Tin (Sn)	7440-31-5		0.1165	mg
Lead Frame	47.6	mg	Supplier	Silver (Ag)	7440-22-4		0.0048	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0952	mg
			Supplier	Iron (Fe)	7439-89-6		1.2371	mg
			Supplier	Copper (Cu)	7440-50-8		46.1915	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0714	mg
Mold Compound-Black	42.24	mg		Epoxy resin	proprietary data		3.168	mg
			Supplier	Phenolic Resin	Proprietary Data		1.056	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.168	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2112	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		34.6368	mg
Plating	1.7	mg	Supplier	Tin (Sn)	7440-31-5		1.7	mg
Wire Bond - Cu	0.1	mg	Supplier	Copper (Cu)	7440-50-8		0.1	mg