Association connecting Description connecting Electronics industries 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 lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.										
IPC Web Site for Information on IPC-1752 Standard F			Form Type Distribute					als and Mfg Information						
Supplier Information														
Company name* Comp			Company unique ID			Unique ID Authority					Response Date*			
nsemi								2022-02-11						
Dentact Name Title - Contact				Phone - Contact*				Email - Contact*						
Product-Env-Stewards Product Envir			viro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Rep			presentative			Phone - Representative*				Email - Representative*				
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	Version	М	Ianufacturing Site	1	Weight*	UOM	Unit Type	
	NVMFS G	VMFS5A140PLZT1 -40V,4.2mohm,Sin		ingle		2022-02-11		М	MY1		05.95	mg	Each	
Manufacturing Proccess Informa	tion													
Terminal Plating / Grid Array Ma	aterial	Terminal Base A	J-STD-020 MS	L Rating	Peak Process Body Temperature Max Time at Pe			e Max Time at Peak	k Temperature Number of Reflow Cycles					
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		260		С	30	secon	ds 3			
Comments														
level 1 - maximum time at peak temperatu	ire during so	oldering is 10-3	0 seconds											
For 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		mium (Cr6+), Polybrominated Biphenyls (Pl		dmium and quantity limit of 0.1% by mass (10 minated Diphenyl Ethers (PBDE), and Bis(2-et						
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 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	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.

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	Iron (Fe)	7439-89-6		0.0048	mg
			Supplier	Copper (Cu)	7440-50-8		4.7938	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0014	mg
Die	0.61	mg	Supplier	Silicon (Si)	7440-21-3		0.61	mg
Die Attach Solder	1.99	mg	Supplier	Silver (Ag)	7440-22-4		0.0498	mg
			А	Lead (Pb)	7439-92-1	7a	1.8407	mg
			Supplier	Tin (Sn)	7440-31-5		0.0995	mg
Lead Frame	47.6	mg	Supplier	Silver (Ag)	7440-22-4		0.0286	mg
			Supplier	Iron (Fe)	7439-89-6		0.0476	mg
			Supplier	Copper (Cu)	7440-50-8		47.5096	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0143	mg
Mold Compound-Black	49.2	mg		Epoxy resin	proprietary data		3.69	mg
			Supplier	Phenolic Resin	Proprietary Data		1.23	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.69	mg
			Supplier	Carbon Black (C)	1333-86-4		0.246	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		40.344	mg
Plating	1.7	mg	Supplier	Tin (Sn)	7440-31-5		1.7	mg
Wire Bond - Cu	0.05	mg	Supplier	Copper (Cu)	7440-50-8		0.05	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 sigma range of distribution unless otherwise noted).