© Copyright 2005. IPC	Convright 2005 IPC Bannockburn Illinois All rights reserved under 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.								
	IPC Web Site for Information on IPC-1752 Standard For http://www.ipc.org/IPC-175x Dis				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Inf				Mfg Informatio	on			
Supplier Information													
Company name* Company un			inique ID			Unique ID Authority				Response Date*			
onsemi								2024-05-18					
Contact Name	ntact Name Title - Contact				Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards Product Enviro			iro Compliance		NA			Produ	Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative			sentative	ntative !		Phone - Representative*			Email	Email - Representative*			
Product-Env-Stewards Product Er			et Enviro Compliance			NA			Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item Number		Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
	NTMFS5	TMFS5C645NT1G 60 V 4.5 m 94 A S		Single N Chann	el	2024-05-18	5-18 MYE			100.77	mg	Each	
Manufacturing Proccess Information	n												
Terminal Plating / Grid Array Mate	Terminal Plating / Grid Array Material Terminal Base Alloy		Alloy J	-STD-020 MSI	L Rating	Peak Proce	ss Body Temp	perature Max Time at Pea	k Temper	ature Numbe	er of Reflow Cy	eles	
Matte Tin (Sn) - annealed CU Alloy		1			260	С	30	seco	onds 3				
Comments													
evel 1 - maximum time at peak temperature	during sol	dering is 10-3	0 seconds										
for more information regarding material co	mposition j	please refer to	page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chro	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), Dibutyl 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
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
			А	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

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).