IPC ASSOCIATION ELECTRONICS	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under b international and Pan-American copyright conventions.		der both le	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with low 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 Materi				als and Mfg Information				
upplier	Information						·							
Company name*			Company unique ID			τ	Unique ID Authority				Response Date*			
nsemi										2024-05-01				
Contact Na	nme	Title - Contact			P	Phone - Contact*				Email - Contact*				
Product-E	nv-Stewards		Product Enviro Compliance			I	NA				Product-Env-Stewards@onsemi.com			
uthorized	Representative*	Title - Representative			P	Phone - Representative*				Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
	Requester Item Number	Mfr Item	Number	nber Mfr Item Name			Effective Date		Manufacturing Site	W	eight*	UOM	Unit Type	
	MCH3486-TL-W NCH 4V I		NCH 4V DRIVE SI	CH 4V DRIVE SERIES		2024-05-01				62	mg	Each		
	turing Proccess Inform								·					
	2		·		STD-020 MSL F	Rating	Peak Process Body Ten		T *			re Numb	er of Reflow Cyc	eles
	contains Bi		CU Alloy	1			260		C	30	second	s 3		
omments														
<u>vel 1 - ma</u>	ximum time at peak tempera	ture during sol	dering is 10-	30 seconds										
or more in	nformation regarding materia	al composition	please refer t	o 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 on the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies 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 o										
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 f Requester) and click on Submit Form to ha		Accepted" on the Supplier Acceptance drop-dow	n. This will display the signature area. Digita	lly sign the declaration (if required by the						
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	0.25	mg	Supplier	Silicon (Si)	7440-21-3		0.25	mg
Die Attach Solder	0.15	mg	Supplier	Silver (Ag)	7440-22-4		0.0038	mg
			A	Lead (Pb)	7439-92-1	7a	0.1388	mg
			Supplier	Tin (Sn)	7440-31-5		0.0075	mg
Lead Frame	2.79	mg	Supplier	Silver (Ag)	7440-22-4		0.0778	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0053	mg
			В	Nickel (Ni)	7440-02-0		0.0131	mg
			Supplier	Iron (Fe)	7439-89-6		0.07	mg
			Supplier	Copper (Cu)	7440-50-8		2.6198	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0039	mg
Mold Compound-Black	4.34	mg		Epoxy Phenol Resin	proprietary data		0.0347	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0434	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.2604	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		3.472	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.5208	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.0087	mg
Plating	0.05	mg	В	Bismuth (Bi)	7440-69-9		0.0003	mg
			Supplier	Tin (Sn)	7440-31-5		0.0497	mg
Wire Bond - Cu	0.04	mg	Supplier	Copper (Cu)	7440-50-8		0.04	mg