IPC ASSOCIATION ELECTRONIE	© Copyright 2005	Material Composition Declars © Copyright 2005. IPC, Bannockburn, international and Pan-American copyrig		ırn, 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.								
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				erials and I	ials and Mfg Information			
upplie	r Information													
ompany	name*	Company ur	Company unique ID			Unique ID Authority				Respo	Response Date*			
nsemi										2024-0	2024-05-20			
Contact N	Vame	Title - Contact			P	Phone - Contact*				Email	Email - Contact*			
Product-	Env-Stewards	Product Enviro Compliance			1	NA				Produ	Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*	Title - Representative			P	Phone - Representative*				Email	Email - Representative*			
roduct-	Env-Stewards	Product Enviro Compliance			1	NA				Produ	Product-Env-Stewards@onsemi.com			
	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date Version Manufacturing Si 2024-05-20 MY1		anufacturing Site		Weight*	UOM	Unit Type	
		MBRM120LT3G REC PWMI		REC PWMITE 1A	E 1A 20V SHTKY				ЛҮ1		16.3	mg	Each	
Ianufa	acturing Process Inform				STEP 000 157			- · -	1		1.5		40.0	
	8		,		-STD-020 MSL I	Rating	Peak Process Body Temperati		Γ.	· ·			per of Reflow Cyc	eles
	Matte Tin (Sn) - annealed	[(CU Alloy	1			260		C	30	seco	onds 3		
omments														
	naximum time at peak tempera													
r more	information regarding materi	al composition	please refer t	page 3										

RoHS Material Composition Declaration			Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU											
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 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 enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.											
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	0.16	mg	Supplier	Silicon (Si)	7440-21-3		0.16	mg
Die Attach Solder	0.34		Supplier	Silver (Ag)	7440-22-4		0.0085	mg
			A	Lead (Pb)	7439-92-1	7a	0.3145	mg
			Supplier	Tin (Sn)	7440-31-5		0.017	mg
Lead Frame	5.38	_	Supplier	Zinc (Zn)	7440-66-6		0.0054	mg
			Supplier	Iron (Fe)	7439-89-6		0.1291	mg
			Supplier	Copper (Cu)	7440-50-8		5.2455	mg
Mold Compound-Black	9.69		Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.969	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0484	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		1.405	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		6.2985	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.969	mg
Plating	0.73	mg	Supplier	Tin (Sn)	7440-31-5		0.73	mg