ASSOCIATION CON ELECTRONICS IND	© 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 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 Typhttp://www.ipc.org/IPC-175x Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater				als and Mfg	Informati	on		
upplier In	formation													
Company name*			Company un	Ompany unique ID			Unique ID Authority				Response Date*			
nsemi										2023-06-08				
Contact Name	e	Title - Contact			F	Phone - Contact*				Email - Contact*				
Product-Env-	-Stewards	Product Enviro Compliance]	NA				Product-Env-Stewards@onsemi.com				
uthorized Re	epresentative*	Title - Representative			F	Phone - Representative*			Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance]	NA				Product-Env-Stewards@onsemi.com			
Re	equester Item Number	Mfr Item	•	Mfr Item Name			Effective Date	Version	N	Manufacturing Site	W	eight*	UOM	Unit Type
	MB10S			BR SOIC4 GPPN 0.5A 1000V			2023-06-08 TSCBE		SCBE	12	0.4971	mg	Each	
	ring Process Information Distinct (Crid Acres)			A11	CTD 020 MCI	Datina	Deels Dees	D . 4 T.		Man Time at Peals	Т	N. N.	and D. Elant Co.	1
			rminal Base Alloy J-STD-020 MSL R		Katıng	Peak Process Body Temperat			1			er of Reflow Cyc	cies	
	tte Tin (Sn) - annealed	(CU Alloy	1			260		IC.	30	second	3		
omments														
	num time at peak tempera													
or more info	rmation regarding materia	l 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 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 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 have 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 of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such										
RoHS Declaration * 4 - Item(s	s) does not contain RoHS restricted substance	ces per the definition above except for selected exer	nptions 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: 7c-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.										
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 R		,								

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	4.2759	mg	Supplier	Silicon (Si)	7440-21-3		4.0108	mg
			В	Nickel (Ni)	7440-02-0		0.0385	mg
			Supplier	Gold (Au)	7440-57-5		0.0214	mg
			A	Lead Oxide (PbO)	1317-36-8	7c	0.2052	mg
Die Attach Solder	9.08	mg	Supplier	Silver (Ag)	7440-22-4		0.227	mg
			A	Lead (Pb)	7439-92-1	7a	8.399	mg
			Supplier	Tin (Sn)	7440-31-5		0.454	mg
Lead Frame	42.4673	mg	Supplier	Iron (Fe)	7439-89-6		0.0413	mg
			Supplier	Copper (Cu)	7440-50-8		42.426	mg
Mold Compound-Black	64.0639		Supplier	Ortho Cresol Novolac Resin	29690-82-2		6.4064	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1921	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		51.059	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		6.4064	mg
Plating	0.61	mg	Supplier	Tin (Sn)	7440-31-5		0.61	mg