IPC ASSOCIATION ELECTRONIC	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.											
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute									ous Materia	ials and Mfg Information					
Supplie	r Information															
Company name*				ompany unique ID			Unique ID Authority					Response Date*				
onsemi												2023-06-08				
Contact N	ame	Title - Contact]	Phone - Contact*					Email - Contact*					
Product-l	Env-Stewards	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com					
Authorize	d Representative*	Title - Representative			1	Phone - Representative*				Email - Representative*						
Product-l	Env-Stewards	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com					
	Requester Item Number		Mfr Item Number Mfr Item Name				Effective Da	ate V	Version Manufacturing Site		ng Site	V	/eight*	UOM	Unit	Туре
		MC100EP196BFAG BBG E		BBG ECL PROG D	BBG ECL PROG DELAY FTUNE		2023-06-08		PH1		1	75.1	mg	Each		
Manufa	cturing Proccess Inform							,						ļ	·	
	8			Ferminal Base Alloy J-STD-020 MSI		SL Rating			s Body Temperature Max Time at Peak		Temperatu	re Nu	ımber of Reflow	Cycles		
Matte Tin (Sn) - annealed CU Alloy			2			260		C	30		second	s 3				
Comments																
TTENT	ION: MSL 2 Rated item requir	res Dry Pack (a	fter electrical	test)												
or more	information regarding materia	al composition	please refer to	page 3												

RoHS Material Composition Declaration			Declaration Type *	Detail	ed					
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		ium (Cr6+), Polybrominated Biphenyls (PB)	erial for Cadmium and quantity limit of 0.1% b B), Polybrominated Diphenyl Ethers (PBDE), a							
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 informationprovided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier 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 provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.										
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	Accepted					
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.										
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	the declaration (if required by the					

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	0.33	mg	Supplier	Silicon (Si)	7440-21-3		0.33	mg
Die Attach	3.19		Supplier	Silver (Ag)	7440-22-4		2.3925	mg
			Supplier	Epoxy resins	129915-35-1		0.7975	mg
Lead Frame	49.99	mg	Supplier	Silver (Ag)	7440-22-4		0.15	mg
			Supplier	Magnesium (Mg)	7439-95-4		0.05	mg
			Supplier	Silicon (Si)	7440-21-3		0.3499	mg
			В	Nickel (Ni)	7440-02-0		1.4997	mg
			Supplier	Copper (Cu)	7440-50-8		47.9404	mg
Mold Compound-Black	114.24	mg		Epoxy Phenol Resin	proprietary data		11.9952	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		102.2448	mg
Plating	6.7	mg	Supplier	Tin (Sn)	7440-31-5		6.7	mg
Wire Bond - Au	0.65	mg	Supplier	Gold (Au)	7440-57-5		0.65	mg