IPC ASSOCIATION CONNECT ELECTRONICS INDUSTR					This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lowe 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 Type http://www.ipc.org/IPC-175x  Distribute				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information			
upplier Infor	mation				·		·								
Company name*			Company unique ID			Ţ	Unique ID Authority				Response Date*				
onsemi											2024-05-05				
Contact Name		Title - Contact			I	Phone - Contact*				Email - Contact*					
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
uthorized Repre	sentative*	Title - Representative			I	Phone - Representative*				Email - Representative*					
Product-Env-Stev	wards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Reques	ster Item Number			Mfr Item Name			Effective Date	e Versio	n :	Manufacturing Site		Weight*	UOM	Unit Type	
				3Pair Low Res CM	Pair Low Res CMF		2024-05-05 MY1		MY1	14.037421		mg	Each		
<b>Ianufacturin</b>	g Proccess Informat	ion													
Terminal Plating / Grid Array Material Te			Terminal Base Alloy J-STD-020 MSI		SL Rating	Peak Process Body Temperature		re Max Time at Peak	Temperat	ure Numbe	r of Reflow Cyc	cles			
Matte Tin (Sn) - annealed			CU Alloy 1				260 C 30			seconds 3					
omments															
vel 1 - maximum	time at peak temperatu	re during sol	dering is 10	30 seconds											
or more informa	tion regarding material (	composition ]	please refer t	o page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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 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 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 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 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	1.517421	mg	Supplier	Silicon (Si)	7440-21-3		1.5174	mg
Die Attach Epoxy	0.29	mg		Epoxy resin	proprietary data		0.1885	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.1015	mg
Lead Frame	3.19	mg	Supplier	Zinc (Zn)	7440-66-6		0.0038	mg
			Supplier	Iron (Fe)	7439-89-6		0.075	mg
			Supplier	Copper (Cu)	7440-50-8		3.1103	mg
			Supplier	Phosphorus (P)	7723-14-0		0.001	mg
Mold Compound-Black	7.7	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		0.616	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0385	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.154	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		6.6605	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.231	mg
Plating	0.08	mg	Supplier	Silver (Ag)	7440-22-4		0.0055	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0058	mg
			В	Nickel (Ni)	7440-02-0		0.0679	mg
			Supplier	Gold (Au)	7440-57-5		0.0008	mg
Protection coat	1.14	mg		Polyimide	proprietary data		1.14	mg
Wire Bond - Au	0.12	mg	Supplier	Gold (Au)	7440-57-5		0.12	mg