ASSOCIATION CONNEC	Material Comp © Copyright 2005. I international and Par	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 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 Typ http://www.ipc.org/IPC-175x Distribute				e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information			
upplier Info	rmation														
Company name*			Company uni	ompany unique ID			Unique ID Authority				Respon	Response Date*			
nsemi											2024-0	2024-04-18			
Contact Name		Title - Contact			1	Phone - Contact*				Email	Email - Contact*				
Product-Env-Ste	ewards	Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com				
uthorized Repr	esentative*	Title - Representative			1	Phone - Representative*				Email	Email - Representative*				
Product-Env-Ste	ewards	Product Envi	Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com				
Reque	ester Item Number	Mfr Iten	Number	Mfr Item Name			Effective Date	Version	ı I	Manufacturing Site		Weight*	UOM	Unit Type	
		AP0101AT2L00XPG 1 MP Co-Pro A0-DR		1 MP Co-Process	cessor		2024-04-18	4-04-18 MY5			65.34	mg	Each		
Ianufacturi r	ng Proccess Informa	tion													
Terminal Plating / Grid Array Material Termi			erminal Base Alloy J-STD-020 MSL			SL Rating	Peak Process Body Temperature Max Time at Peak				k Tempera	nture Numb	er of Reflow Cyc	eles	
SnAgCu			CU Alloy 3		3		260		С	30	seco	nds 3			
omments															
TTENTION: M	ISL 3 Rated item require	es Bake and I	Pry Pack (after	electrical test)											
or more inform	ation regarding material	composition	please refer to	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).											
cadmium, hexavalentchromium, polybromin contains a RoHS restricted substance inexce encompass all such components. Supplier cet as of the date that Supplier completes this Company acknowledges that Supplier may hindependently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated diphess of an applicable quantity limit, please indriffes that it gathered the information it provom. Supplier acknowledges that Company wave relied on informationprovided by others of the supplier agrees that, at a minimusy and the Supplier enter into a written agree yesource of the Supplier's liability and the C	enyl ethers (each a "RoHS restricted substan licate below which, if any, RoHS exemption vides in this form using appropriate methods vill rely on this certification in determining the s in completing this form, and that Supplier um, itssuppliers have provided certifications ement with respect to the identified part, the tompany's remedies for issues that arise rega	s of the European Union member states) of the ce") in excess of the applicable quantity limit is you believe may apply. If the part is an assemb to ensure its accuracy and that such informatio e compliance of its products with European Ur may not have independently verified such infor regarding their contributions to the part, and the erms and conditions of that agreement, including information the Supplier provides in this	dentified above. If a ally with lower level in is true and correct tion member state la mation. However, in ose certifications are ag any warranty righ	homogeneous material within the part components, the declaration shall to the best of its knowledge and belief, was that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the lats and/or remedies provided as part of						
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	2.95	mg		Misc.	proprietary data		0.0086	mg
			Supplier	Silicon (Si)	7440-21-3		2.9385	mg
			Supplier	Aluminum (Al)	7429-90-5		0.003	mg
Die Attach Epoxy	0.26	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.0026	mg
			Supplier	Filler (SiO2)	68909-20-6		0.104	mg
			Supplier	3-Methacryloxypropyltrimethoxysilane (C10H20O5Si)	2530-85-0		0.0026	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.0468	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.104	mg
Mold Compound-Black	33.58	mg		Epoxy resin	proprietary data		1.5111	mg
			Supplier	Phenolic Resin	Proprietary Data		1.5111	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1007	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		30.4571	mg
Solder Ball	10.5	mg	Supplier	Silver (Ag)	7440-22-4		0.315	mg
			Supplier	Tin (Sn)	7440-31-5		10.1325	mg
			Supplier	Copper (Cu)	7440-50-8		0.0525	mg
Substrate and Solder Mask	1.06	mg	Supplier	Talc	14807-96-6		0.0382	mg
			Supplier	Epoxy Resin	26875-67-2		0.653	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.0106	mg
			Supplier	Misc.	Proprietary Data		0.0286	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7		0.3297	mg
Substrate Copper Foil	1.59	mg	Supplier	Copper (Cu)	7440-50-8		1.59	mg
Substrate - Core Material	8.54	mg		Epoxy resin	proprietary data		1.8506	mg
			Supplier	Fiber Glass (SiO2)	65997-17-3		6.6894	mg
Substrate Plating-Au	0.37	mg	Supplier	Gold (Au)	7440-57-5		0.37	mg
Substrate Plating-Cu	3.83	mg	Supplier	Copper (Cu)	7440-50-8		3.83	mg
Substrate Plating-Ni	1.3	mg	В	Nickel (Ni)	7440-02-0		1.3	mg
Wire Bond - Au	1.36	mg	Supplier	Gold (Au)	7440-57-5		1.36	mg