ASSOCIATION CONNECTING	Material Composit © Copyright 2005. IPC, international and Pan-Ar	Bannockt	ourn, Illinois. A	ll rights reserved utions.	under both	This docume level parts, t	ent is a declarat he declaration e	ion of the su	ibstances v s all lower	within the manufactu level materials for w	rer listed in which the m	em. Note: anufacture	if the item is an as or has engineering	ssembly with low 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 Materials and Mfg Information								
Supplier Informa	ation													
Company name* Company unique ID						Unique ID Authority			Respons	Response Date*				
nsemi									2024-04	2024-04-25				
Contact Name			Title - Contact				Phone - Contact*			Email - Contact*				
Product-Env-Stewar	ds		Product Enviro Compliance				NA			Product-Env-Stewards@onsemi.com				
uthorized Represen	tative*		Title - Repres	itle - Representative			Phone - Representative*			Email - Representative*				
Product-Env-Stewar	ds		Product Envir	uct Enviro Compliance NA Product-Env-Stewards@				vards@onsemi.co	ds@onsemi.com					
Requester	Requester Item Number Mfr Item		Number Mfr Item Name			Effective Date	Version	N	Manufacturing Site		Weight*	UOM	Unit Type	
		AP0102/ A0-TR	AP0102AT2L00XPG 1MP CO-PROCES A0-TR		ESSOR	SOR			N	1Y5	ģ	91.24	mg	Each
Ianufacturing P	Proccess Information	n												
Terminal Plating / Grid Array Material Terminal Ba			Cerminal Base A	Alloy	J-STD-020 MS	L Rating	Peak Proc	ess Body T	emperature	e Max Time at Peak	Temperat	ure Num	ber of Reflow Cyc	cles
SnAgCu CU Alloy 3					260		С	30	secon	ds 3				
omments														
<b>FTENTION: MSL</b>	3 Rated item requires Ba	ake and D	ry Pack (after	electrical test)										
or more information	n regarding material con	nposition	please refer to	page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybro	ominated Biphenyls (PBB), Polybron	dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth	
cadmium, hexavalentchromium, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe v others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and co for issues that arise regarding inform	ce of its products with European Union membe	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	ances per the definitio	on above	Supplier Acceptance	* Accepted
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all
Exemption List Version	EL-2011/534/EU				
Declaration Signature					
Instructions: Complete all of the required fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the
Supplier Digital Signature Ra	stislav Drska	Le			

## 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	8.58	mg		Misc.	proprietary data		0.0249	mg
			Supplier	Silicon (Si)	7440-21-3		8.5465	mg
			Supplier	Aluminum (Al)	7429-90-5		0.0086	mg
Die Attach	0.9	mg		Bismaleimide Monomer	proprietary data		0.3465	mg
			Supplier	POLY(ETHYLENE GLYCOL) PHENYL ETHER ACRYLATE	56641-05-5		0.0045	mg
			Supplier	2,2-Bis(4-hydroxyphenyl)propane- epichlorohydrin copolymer acrylate	55818-57-0		0.09	mg
			Supplier	Bis(4-tert-butylcyclohexyl) peroxydicarbonate	15520-11-3		0.0045	mg
			Supplier	2,2-dimethyl-1,3-propanediyl dimethacrylate	1985-51-9		0.09	mg
			Supplier	2-phenoxy ethyl acrylate	48145-04-6		0.09	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.0045	mg
			Supplier	Other Additive Agents	Proprietary Data		0.18	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.09	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	20.0	mg		Epoxy resin	proprietary data		2.94	mg
			Supplier	Boehmit (Al(OH)O)	1318-23-6		6.1	mg
			Supplier	Fiber Glass (SiO2)	65997-17-3		4.6	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.36	mg
			Supplier	Misc.	Proprietary Data		1.7	mg
			Supplier	Polycarbonite	80-05-7		0.2	mg
			Supplier	Bismaleimide Triazine resin	Proprietary Data		4.1	mg
Substrate and Solder Mask	2.48	mg	Supplier	Talc	14807-96-6		0.0893	mg
			Supplier	Epoxy Resin	26875-67-2		1.5277	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.0248	mg

			Supplier	Misc.	Proprietary Data	0.067	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7	0.7713	mg
Substrate Copper Foil	8.66	mg	Supplier	Copper (Cu)	7440-50-8	8.66	mg
Substrate Plating-Au	1.18	mg	Supplier	Gold (Au)	7440-57-5	1.18	mg
Substrate Plating-Cu	1.05	mg	Supplier	Copper (Cu)	7440-50-8	1.05	mg
Substrate Plating-Ni	3.36	mg	В	Nickel (Ni)	7440-02-0	3.36	mg
Wire Bond - Au	0.95	mg	Supplier	Gold (Au)	7440-57-5	0.95	mg