ASSOCIATION CONNECTING	© Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn, Illinois. A	ll rights reserved u ntions.	nder both	This docume level parts, t	ent is a declarat	ion of the s encompasse	ubstances s all lower	within the manufactur level materials for w	er listed i hich the r	tem. Note: i nanufacture	f the item is an as r has engineering	sembly with lower responsibility.
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				*	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					als and Mfg Information			
Supplier Inform	ation													
Company name*			Company unique ID				Unique ID Authority				Response Date*			
onsemi											2023-06-08			
Contact Name	Title - Contact				Phone - Contact*				Email - Contact*					
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Representative				Phone - Representative*			Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Requester	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	Version	n Manufacturing Site			Weight*	UOM	Unit Type
		NCN5192MNRG Full Feature I		Full Feature HAR	IART Modem		2023-06-08		P	PHG		14.8	mg	Each
Manufacturing I	Proccess Information	1												
Terminal Plating / Grid Array Material Termi			erminal Base A	minal Base Alloy J-STD-020 MSL		L Rating	Peak Process Body Temperature Max Tim		e Max Time at Peak	ak Temperature Number of Reflow Cycles		eles		
Matte Tin (Sn) - annealed CU Alle			U Alloy	у 3			260 C 30			seconds 3				
Comments														
ATTENTION: MSL	3 Rated item requires Ba	ke and D	ry Pack (after	electrical test)										
or more informatio	on regarding material con	position p	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 ohthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).											
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 y 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 cc 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.

Substance Instructions: [A] select select a RoHS exemption, if applie sigma range of distribution unless	cable [E] enter the weigh	, Requester or Supplier) [B tt of the substance or the Pl] select the substa PM concentration	ance category (JIG or Requester) or enter [F] Optionally enter the positive (+) ar	er a value (Supplier). [C] selec ad negative (-) tolerance in per	et the substance (JI cent (Note: percer	G) or enter the substa t tolerance values are	nce and CAS (Other). [D] expected to cover a 3
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.25	mg	Supplier	Silicon (Si)	7440-21-3		0.25	mg
Die Attach	0.37	mg	Supplier	Silver (Ag)	7440-22-4		0.2775	mg
			Supplier	Epoxy resins	129915-35-1		0.0925	mg
Lead Frame	5.81	mg	Supplier	Silver (Ag)	7440-22-4		0.9877	mg
			Supplier	Iron (Fe)	7439-89-6		0.0465	mg
			Supplier	Copper (Cu)	7440-50-8		4.7758	mg
Mold Compound-Black	7.0	mg		Epoxy Phenol Resin	proprietary data		0.735	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		6.265	mg
Plating	0.41	mg	Supplier	Tin (Sn)	7440-31-5		0.41	mg
Wire Bond - Au	0.96	mg	Supplier	Gold (Au)	7440-57-5		0.96	mg