ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Pan	C, Bannock	burn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declar the declaratio	ration o n encor	of the substat mpasses all l	nces wi lower le	thin the manufa evel materials f	acturer listed or which the	item. N manufa	Note: if th acturer ha	ne item is an as as engineering	sembly with low responsibility.	
	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					aterials and M	ials and Mfg Information				
Supplier Information																
Company name*			Company unique ID			Unique ID Authority					Respon	Response Date*				
onsemi											2024-0	2024-05-03				
Contact Name Title - Contact				Phone - Contact*					Email ·	Email - Contact*						
Product-Env-Stewards	ro Compliance			NA					Produ	Product-Env-Stewards@onsemi.com						
Authorized Representative* Title - Representative			sentative	/e Phone -			ne - Representative*			Email ·	Email - Representative*					
Product-Env-Stewards	Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com						
Requester Item Number	Requester Item Number Mfr Iter		n Number Mfr Item Name			Effective Da	ctive Date Version Manufacturing Site		e	Weigl	nt*	UOM	Unit Type			
	N24RF0	N24RF04DWPT3G RFID 4		FID 4 Kb EEPROM		2024-05-03				ТНВ		77.46 m		mg	Each	
Anufacturing Proccess Informat	ion													I	I	
Terminal Plating / Grid Array Ma	terial	Ferminal Base A	Alloy	J-STD-020 MSL Rating		Peak Process Body Temp		Body Tempe	erature	ature Max Time at Peak		emperature Number of Reflow Cycles		les		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy	U Alloy 1			260		С		30 so		nds	3			
Comments																
vel 1 - maximum time at peak temperatu	re during so	ldering is 10-3	0 seconds													
or more information regarding material	composition	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 phthalate (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 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 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.

Homogeneous Material Weight		Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	2.65	mg	Supplier	Silicon (Si)	7440-21-3		2.65	mg	
Die Attach	0.21	mg	Supplier	Silver (Ag)	7440-22-4		0.168	mg	
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.042	mg	
Lead Frame	27.35	mg	Supplier	Zinc (Zn)	7440-66-6		0.0274	mg	
			Supplier	Iron (Fe)	7439-89-6		0.6291	mg	
			Supplier	Copper (Cu)	7440-50-8		26.6663	mg	
			Supplier	Phosphorus (P)	7723-14-0		0.0274	mg	
Mold Compound-Black	46.76	mg		Epoxy resin	proprietary data		2.338	mg	
			Supplier	Phenolic Resin	Proprietary Data		2.338	mg	
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.9352	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.2338	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		40.915	mg	
Plating	0.34	mg	Supplier	Palladium (Pd)	7440-05-3		0.0211	mg	
			В	Nickel (Ni)	7440-02-0		0.3152	mg	
			Supplier	Gold (Au)	7440-57-5		0.0036	mg	
Wire Bond - Au	0.15	mg	Supplier	Gold (Au)	7440-57-5		0.15	mg	

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).