roduct-Env-Stew	vards		Company un		Form Type * Distribute	CI	eclaration Cl ass 6 - RoHS		omogeneous Materi	ials and Mfg	g Informatic	n		
ompany name* semi ontact Name roduct-Env-Stew uthorized Repres	mation vards			ique ID	, Distribute		ass o Horn	3 1 3 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 3 1	one general in income		<u> </u>			
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uthorized Represe			Title - Contact			Phone - Cont	Phone - Contact*				Email - Contact*			
roduct-Env-Stew			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
	Authorized Representative*			Title - Representative			Phone - Representative*			Email - Representative*				
Paguage	Product-Env-Stewards			Product Enviro Compliance			NA			Product-Env-Stewards@onsemi.com				
Requester Item Number		Mfr Item	Mfr Item Number Mfr Item		r Item Name		tive Date Version		Manufacturing Site		Weight*	UOM	Unit Type	
	NB3N51032		.032DTG	DTG 3.3 V, Crystal to 25 MHz,100 MHz, 125 MHz and 200 MHz Dual HCSL Clock Generator		2023-06-08		PH	PH1		5.4	mg	Each	
lanufacturing	g Proccess Informa	ntion												
Terminal Plating / Grid Array Material		Terminal Base Alloy J-S		STD-020 MSL Rating	Peak Pro	ocess Body Temperature Max Time at Peak		Temperature Number of Reflow		r of Reflow Cyc	eles			
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		PdAu) (no	CU Alloy 1			260		С	30 seco		seconds 3			
omments														
vel 1 - maximum	time at peak temperat	ure during so	ldering is 10-3	0 seconds										

RoHS Material Composition Declaration			Declaration Type *	Detail	ed				
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		ium (Cr6+), Polybrominated Biphenyls (PB)	erial for Cadmium and quantity limit of 0.1% b B), Polybrominated Diphenyl Ethers (PBDE), a						
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	2.0	mg	Supplier	Silicon (Si)	7440-21-3		2	mg
Die Attach	1.32	mg	Supplier	Silver (Ag)	7440-22-4		0.99	mg
			Supplier	Epoxy resins	129915-35-1		0.33	mg
Lead Frame	20.76	mg	Supplier	Iron (Fe)	7439-89-6		0.3944	mg
			Supplier	Copper (Cu)	7440-50-8		20.3656	mg
Mold Compound-Black	19.0	mg		Epoxy resin	proprietary data		0.95	mg
			Supplier	Phenolic Resin	Proprietary Data		0.95	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.38	mg
			Supplier	Carbon Black (C)	1333-86-4		0.095	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		16.625	mg
Plating	2.12	mg	Supplier	Palladium (Pd)	7440-05-3		0.1611	mg
			В	Nickel (Ni)	7440-02-0		1.9292	mg
			Supplier	Gold (Au)	7440-57-5		0.0297	mg
Wire Bond - Au	0.2	mg	Supplier	Gold (Au)	7440-57-5		0.2	mg