Authorized Representative* Title - Representative Product-Env-Stewards Title - Representative Product Enviro Compliance NA Product-Env-Stewards@			
Company name* Company unique ID Unique ID Authority Response Date* 2023-06-08 Contact Name Product Enviro Compliance NA Product-Env-Stewards Authorized Representative* Product-Env-Stewards Product-Env-Stewards Authorized Representative* Product-Env-Stewards Product Enviro Compliance NA Product-Env-Stewards Product-Env-Stewards Product-Env-Stewards Product-Env-Stewards Product-Env-Stewards Product-Env-Stewards Product-Env-Stewards Product-Env-Stewards Requester Item Number Mfr Item Number Mfr Item Name Effective Date Version Manufacturing Site Weight* U SMA5101-TL-H Si MMIC DOUBLE BAL MIX IC 2023-06-08 CNG 7.9 m			
Semi Contact Name Title - Contact Phone - Contact* Phone - Contact* Product-Env-Stewards Product Enviro Compliance NA Product-Env-Stewards P			
Title - Contact Name Product-Env-Stewards Product Enviro Compliance Title - Representative Title - Representative Phone - Representative* Phone - Representative* Phone - Representative* Phone - Representative* Product-Env-Stewards Product-Env-Stewards Product-Env-Stewards Requester Item Number Mfr Item Number Mfr Item Name Effective Date Version Manufacturing Site Weight* U SMA5101-TL-H Si MMIC DOUBLE BAL MIX IC 2023-06-08 CNG 7.9 m			
Product-Env-Stewards Authorized Representative* Title - Representative Product-Env-Stewards P			
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Product-Env-Stewards Product Enviro Compliance NA Product-Env-Stewards © Requester Item Number Mfr Item Number Mfr Item Name Effective Date Version Manufacturing Site Weight* U SMA5101-TL-H Si MMIC DOUBLE BAL MIX IC 2023-06-08 CNG 7.9 m	Product-Env-Stewards@onsemi.com		
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SMA5101-TL-H Si MMIC DOUBLE BAL MIX IC 2023-06-08 CNG 7.9 m	Product-Env-Stewards@onsemi.com		
	OM Unit Type		
Ianufacturing Proccess Information	g Each		
Terminal Plating / Grid Array Material Terminal Base Alloy J-STD-020 MSL Rating Peak Process Body Temperature Max Time at Peak Temperature Number of R	oflaw Cyalas		
	k Temperature Number of Reflow Cycles seconds 3		
CORNOY 1 200 C 50 Seconds 5			
omments			
vel 1 - maximum time at peak temperature during soldering is 10-30 seconds or more information 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		ium (Cr6+), Polybrominated Biphenyls (PB)	erial for Cadmium and quantity limit of 0.1% b B), Polybrominated Diphenyl Ethers (PBDE), a						
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.									
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 al 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	0.1	mg	Supplier	Silicon (Si)	7440-21-3		0.1	mg
Lead Frame	3.17	mg	Supplier	Silver (Ag)	7440-22-4		0.0669	mg
			Supplier	Zinc (Zn)	7440-66-6		0.006	mg
			В	Nickel (Ni)	7440-02-0		0.0114	mg
			Supplier	Iron (Fe)	7439-89-6		0.0802	mg
			Supplier	Copper (Cu)	7440-50-8		3.001	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0044	mg
Mold Compound-Black	4.48	mg		Epoxy Phenol Resin	proprietary data		0.0358	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0448	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.2688	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		3.584	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.5376	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.009	mg
Plating	0.1	mg	В	Bismuth (Bi)	7440-69-9		0.0006	mg
			Supplier	Tin (Sn)	7440-31-5		0.0994	mg
Wire Bond - Au	0.05	mg	Supplier	Gold (Au)	7440-57-5		0.05	mg