IPC ASSOCIATION ELECTRONIE		Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved unde international and Pan-American copyright conventions.			nder both Is	This docume evel parts, th	nt is a declarati ne declaration e	on of the s	substances ves all lower	within the m level mater	anufacture	er listed ite	m. Note: i	f the item is an as r has engineering	sembly with low responsibility.
752-21.1					Form Type * Distribute	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					us Materia	ls and Mf	g Informat	ion	
upplie	r Information								·						
Company name* Company unique ID				nique ID	Unique II			ique ID Authority				Response Date*			
n Semic	conductor											2021-02-04			
Contact N	Vame		Title - Contact			P	Phone - Contact*					Email - Contact*			
Product-	Env-Stewards		Product Enviro Compliance			1	NA					Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*		Title - Representative			P	Phone - Representative*				Email - Representative*				
Product-	Env-Stewards		Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com				
	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	Version	Manufacturing Site		g Site	V	eight*	UOM	Unit Type
		MMBF4391LT1G SS SOT23 JFE		SS SOT23 JFET N	NCH 30V TR		2021-02-04		C	CN1		8	02	mg	Each
Ianufa	acturing Process Information						I								
			,		J-STD-020 MSL I	Rating	Peak Process Body Temperate		T .			Τ'		per of Reflow Cyc	les
	Matte Tin (Sn) - annealed		CU Alloy	1	1		260		C	30		second	s 3		
omments				•											
	naximum time at peak tempe														
r more	information regarding mate	rial composition	please refer t	o page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	led
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybrominated Biphenyls (Pl	aterial for Cadmium and quantity limit of 0.1% by BB), Polybrominated Diphenyl Ethers (PBDE), an		
cadmium, hexavalentchromium, polybromir contains a RoHS restricted substance inexce encompass all such components. Supplier ce as of the date that Supplier completes this fo Company acknowledges that Supplier may l independently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated dipless of an applicable quantity limit, please intifies that it gathered the information it prome. Supplier acknowledges that Company have relied on information provided by other by others, Supplier agrees that, at a mining and the Supplier enter into a written agree esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substational substance below which, if any, RoHS exemption by desired in this form using appropriate method will rely on this certification in determining ters in completing this form, and that Supplies have provided certification between the will respect to the identified part, the Company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects the company is the company that the company tha	ws of the European Union member states) of the pnce") in excess of the applicable quantity limit iden you believe may apply. If the part is an assemble is to ensure its accuracy and that such information the compliance of its products with European Union may not have independently verified such informs regarding their contributions to the part, and tho terms and conditions of that agreement, including the provides in this formation information the Supplier provides in this formation.	entified above. If a y with lower level is true and correct on member state la nation. However, in se certifications are any warranty rigl	n homogeneous material within the part components, the declaration shall t to the best of its knowledge and belief, aws that implement the RoHS Directive. In situations where Supplier has not e at least as comprehensive as the hts and/or remedies provided as part of
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	ceptance *	Accepted
Exemption: If the declared item does not applicable exemptions.	contain RoHS restricted substances per	the definition above except for defined Ro	oHS exemptions, then select the corresponding	response in the R	oHS Declaration above and choose all
Exemption List Version	EL-2011/534/EU				
Declaration Signature					
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recurined by the
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	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	0.05	mg	Supplier	Silicon (Si)	7440-21-3		0.05	mg
Lead Frame	2.92		В	Nickel (Ni)	7440-02-0		1.06	mg
			Supplier	Iron (Fe)	7439-89-6		1.4658	mg
			Supplier	Copper (Cu)	7440-50-8		0.3942	mg
Mold Compound-Black	4.9		Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.49	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0245	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.7105	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		3.185	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.49	mg
Plating	0.14	mg	Supplier	Tin (Sn)	7440-31-5		0.14	mg
Wire Bond - Au	0.01	mg	Supplier	Gold (Au)	7440-57-5		0.01	mg