Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.					This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.										
1752-21.1	IPC Wah Site for Information on IPC 1752 Standard Form Type				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater				aterials and	rials and Mfg Information					
Supplie	r Information														
Company name* Company uniq				que ID		Unique ID Authority				Respo	Response Date*				
onsemi											2023-0	2023-06-08			
Contact N	lame	Title - Conta	Title - Contact			Phone - Contact*				Email	Email - Contact*				
Product-l	Env-Stewards		Product Envi	Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*	Title - Representative				Phone - Representative*				Email	Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Date Version Manufacturing Site		e	Weight*	UOM	Unit Type			
		FSL156N	FSL156MRIN Power Switcher				2023-06-08	23-06-08 PH4			478.437	mg	Each		
Manufa	cturing Proccess Informa	ntion													
	Terminal Plating / Grid Array M	Terminal Base Alloy J-STD-020		STD-020 MSI	_ Rating	Peak Process Body Temperature Max		ax Time at l	Peak Temper	ature Numb	er of Reflow Cy	cles			
	Matte Tin (Sn) - annealed		CU Alloy NA		Α		0		C 30	1	seco	onds 3			
Comments												·	·		
	<u> </u>		_		_			_	_			_			
or more	information regarding material	l composition	nlesse refer to	naga 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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 (DBP), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP).											
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 knowledges 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 paragraph. If the Company and the Supplier shall apply the interest of the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of 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 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	1.6	mg	Supplier	Silicon (Si)	7440-21-3		1.6	mg
Die Attach	3.0	mg	Supplier	Silver (Ag)	7440-22-4		2.25	mg
			Supplier	Phenolic Resin-2	54208-63-8		0.75	mg
Lead Frame	137.787		Supplier	Silver (Ag)	7440-22-4		0.69	mg
			Supplier	Zinc (Zn)	7440-66-6		0.193	mg
			Supplier	Iron (Fe)	7439-89-6		3.6	mg
			Supplier	Copper (Cu)	7440-50-8		133	mg
			Supplier	Phosphorus (P)	7723-14-0		0.304	mg
Mold Compound-Black	321.0			Metal Hydroxide	proprietary data		11.235	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		25.68	mg
			Supplier	Carbon Black (C)	1333-86-4		1.605	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		256.8	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		25.68	mg
Plating	9.05	mg	Supplier	Tin (Sn)	7440-31-5		9.05	mg
Wire Bond - Au	6.0	mg	Supplier	Gold (Au)	7440-57-5		6	mg