IPC - ASSOCIATION CONNECTED INDU	© Copyright 2005.	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.											
752-21.1		IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x Form Typ Distribute				*	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information				
upplier Inf	formation															
Company name*			Company unique ID			J	Unique ID Authority				Response Date*					
nsemi											2024-05-10					
Contact Name		Title - Contact			I	Phone - Contact*				Email - Contact*						
Product-Env-S	Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
uthorized Rep	presentative*	Title - Representative			I	Phone - Representative*			Email - Representative*							
Product-Env-S	Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
Req	quester Item Number	ster Item Number Mfr Item Number Mfr Item Name MM3Z13VC 13.0V 0.2W 5% Ze		Mfr Item Name			Effective Date	Version	M	anufacturing Site	W	/eight*	UOM	Unit Type		
				n SOD323F		2024-05-10		CN2		4.	58939	mg	Each			
	ring Process Informa		Corminal Desa	Alloy	STD-020 MS	I. Dating	Dook Proces	ss Pody Tom	noratura	May Time at Peals	Tomporato	ra Numb	er of Reflow Cyc	plac		
		Terminal Base Alloy J-STD-020 CU Alloy 1		S I D-020 MS	L Kaung	Peak Process Body Tempera 260 C		•				er of Keflow Cyc	cies			
•	te 1 m (Sn) - anneaied		O Alloy	1			1200		,	130	second	8 3				
omments	num time at peak temperat	uro durina col	doring is 10.3	0 seconds												
	num time at peak temperat mation regarding materia															

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 (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).											
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 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 enter into a written agreement with respect to 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 Itaability and the Company's remedies for issues that arise regarding information the Supplier pr											
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	0.03	mg	Supplier	Silicon (Si)	7440-21-3		0.0285	mg
			Supplier	Gold (Au)	7440-57-5		0.0014	mg
			Supplier	Aluminum (Al)	7429-90-5		0.0001	mg
Lead Frame	1.004	mg	Supplier	Silver (Ag)	7440-22-4		0.004	mg
			Supplier	Chromium (Cr)	7440-47-3		0.002	mg
			Supplier	Manganese (Mn)	7439-96-5		0.008	mg
			В	Nickel (Ni)	7440-02-0		0.41	mg
			Supplier	Iron (Fe)	7439-89-6		0.58	mg
Mold Compound-Black	3.44999	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.3736	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0186	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		2.7179	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.3398	mg
Plating	0.1	mg	Supplier	Tin (Sn)	7440-31-5		0.1	mg
Wire Bond - Cu	0.0054	mg	Supplier	Copper (Cu)	7440-50-8		0.0054	mg