IPC ASSOCIATION ELECTRONIC	© Copyright 2005	Material Composition Dec © Copyright 2005. IPC, Bannockbu international and Pan-American co		ourn, Illinois, All rights reserved under both		This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with low 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 Form Typ http://www.ipc.org/IPC-175x Distribute				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				rials and M	ials and Mfg Information					
upplier	r Information														
Company name*				Company unique ID			Unique ID Authority				Respon	Response Date*			
onsemi											2024-05-21				
ontact N	Jame	Title - Contact			I	Phone - Contact*				Email - Contact*					
roduct-F	Env-Stewards		Product Enviro Compliance]	NA				Product-Env-Stewards@onsemi.com				
uthorize	ed Representative*	Title - Representative			I	Phone - Representative*				Email - Representative*					
Product-Env-Stewards Produ				roduct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
	Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	Version	N	Manufacturing Site		Weight*	UOM	Unit Type	
	MSRF860G 8A 600V SOFT RI		EC TO-220FP	,	2024-05-21		F	KR8		2009.84	mg	Each			
lanufa	cturing Process Inform		Terminal Base	Alloy	-STD-020 MS	I. Poting	Paul Proc	ass Rody 7	Camparatus	May Time at Paul	Tampara	tura Numbe	er of Reflow Cyc	plac	
, , , , , , , , , , , , , , , , , , ,		CU Allov NA			L Kating	0	rocess Body Temperature Max Time at Peak		seconds 3		er or Keriow Cyc	Lies			
omments	` ′		Alloy		11.1		U		10	150	Secol	100 0			
Omments	9														
or more i	information regarding materi	al composition	nlease refer to	n nage 3											

RoHS Material Composition Declaration			Declaration Type *	Detailed						
Priective 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 have 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 app										
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted substance	s per the definition above except for selected exemp	tions Supplier Acceptance	* Accepted						
Exemption: 7a: Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).										
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
Instructions: Complete all of the required f Requester) and click on Submit Form to ha		Accepted" on the Supplier Acceptance drop-dow	n. This will display the signature area. Digita	lly sign the declaration (if required by the						
Supplier Digital Signature Ra	astislav Drska	-En								

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	3.55	mg	Supplier	Silicon (Si)	7440-21-3		3.55	mg
Die Attach	82.98		Supplier	Silver (Ag)	7440-22-4		1.2447	mg
			A	Lead (Pb)	7439-92-1	7a	77.5863	mg
			Supplier	Tin (Sn)	7440-31-5		4.149	mg
Lead Frame	1236.66	mg	Supplier	Copper (Cu)	7440-50-8		1236.66	mg
Mold Compound-Black	679.88			Epoxy resin	proprietary data		47.5916	mg
			Supplier	Phenolic Resin	Proprietary Data		47.5916	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		101.982	mg
			Supplier	Carbon Black (C)	1333-86-4		3.3994	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		479.3154	mg
Plating	6.36	mg	Supplier	Tin (Sn)	7440-31-5		6.36	mg
Wire Bond - Al	0.41	mg	Supplier	Aluminum (Al)	7429-90-5		0.41	mg