IPC ASSOCIATION ELECTRONIC	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved international and Pan-American copyright conventions.			der 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.									
1752-21.1	IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x Form Typ Distribute								erials and I	ials and Mfg Information					
Supplier	r Information														
Company name*			Company unique ID			τ	Unique ID Authority				Respon	Response Date*			
onsemi											2023-0	2023-06-08			
Contact N	ame		Title - Contact			1	Phone - Contact*				Email	Email - Contact*			
Product-I	Env-Stewards		Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
Authorize	d Representative*		Title - Representative			I	Phone - Representative*				Email	Email - Representative*			
Product-I	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		Manufacturing Site	·	Weight*	UOM	Unit Type		
		FDMF6823B DrMG		DrMOS Module	DrMOS Module		2023-06-08			PBB		134.314	mg	Each	
Manufa	cturing Process Informa	ation						·						·	
	Terminal Plating / Grid Array Material Terminal Base Alloy J-S'			STD-020 MS	L Rating	Peak Pro	ocess Bo	dy Temperatu	ire Max Time at Pea	k Temper	ature Num	ber of Reflow Cy	eles		
Matte Tin (Sn) - annealed CU Alloy			1			260		С	30	seco	nds 3				
Comments	1														
evel 1 - m	aximum time at peak tempera	ture during sol	dering is 10-3	0 seconds											
or more	information regarding materia	l composition	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detailed						
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 paragraph. If the Company and the Supplier 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										
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
Clip	19.6	mg	Supplier	Zinc (Zn)	7440-66-6		0.0235	mg
			Supplier	Iron (Fe)	7439-89-6		0.4704	mg
			Supplier	Copper (Cu)	7440-50-8		19.0904	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0157	mg
Die	0.096	mg	Supplier	Silicon (Si)	7440-21-3		0.096	mg
Die Attach Solder	5.101	mg	Supplier	Silver (Ag)	7440-22-4		0.1275	mg
			A	Lead (Pb)	7439-92-1	7a	4.7184	mg
			Supplier	Tin (Sn)	7440-31-5		0.2551	mg
Lead Frame	44.201	mg	Supplier	Silver (Ag)	7440-22-4		0.054	mg
			Supplier	Zinc (Zn)	7440-66-6		0.049	mg
			Supplier	Iron (Fe)	7439-89-6		0.998	mg
			Supplier	Copper (Cu)	7440-50-8		43.1	mg
Mold Compound-Black	63.216	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		3.79	mg
			Supplier	Carbon Black (C)	1333-86-4		0.316	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		56.9	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		2.21	mg
Plating	2.0	mg	Supplier	Tin (Sn)	7440-31-5		2	mg
Wire Bond	0.1	mg	Supplier	Palladium (Pd)	7440-05-3		0.001	mg
			Supplier	Copper (Cu)	7440-50-8		0.099	mg