ASSOCIATION CONNECTING ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Pan-A	, Bannockb	urn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a declara	tion of the sencompass	substances es all lowe	within the r er level mate	manufacture rials for wh	er listed it hich the m	em. Note: anufacture	if the item is an a er has engineering	ssembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form T http://www.ipc.org/IPC-175x Distribution				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials					als and Mf	s and Mfg Information			
Supplier Information															
Company name* Comp			ompany unique ID			Unique ID Authority					Response Date*				
semi											2023-06-08				
ontact Name	ct Name Title - Contact					Phone - Contact*					Email - Contact*				
roduct-Env-Stewards Product Enviro C			ro Compliance			NA				Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Representative			sentative	Pr			Phone - Representative*				Email - Representative*				
Product-Env-Stewards Product			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Item Number		umber Mfr Item Name			Effective Dat	e Versior	Manufacturing Site		ng Site	v	/eight*	UOM	Unit Type	
	FDMF58	DMF5820DC Smart Powe		er Stage Module		2023-06-08			PBB		8	5.215	mg	Each	
Ianufacturing Proccess Informatio	'n										<u> </u>				
Terminal Plating / Grid Array Mater	aterial Terminal Base Alloy		Alloy	J-STD-020 MS	SL Rating Pea		A Process Body Temperature Max Time at Pea		ne at Peak '	k Temperature Number of Reflow Cycles		cles			
Matte Tin (Sn) - annealed CU Alloy				1		260		С	30		second	ls 3			
omments															
vel 1 - maximum time at peak temperature	during sol	dering is 10-3	0 seconds												
or more information regarding material con	mposition	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), Disobutyl phthalate (DIBP).										
cadmium, hexavalentchromium, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company	ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in iffies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg	nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co	e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations are at least as comprehensive as the anty rights and/or remedies provided as part of						
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted subst	ances per the definition above except for sele	ected exempt	ions 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 Requester) and click on Submit Form to h			e drop-dowi	a. This will display the signature area. Digita	lly sign the declaration (if required by the						
Supplier Digital Signature	astislav Drska	Le									

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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Clip (Heat sink)	26.983	mg	Supplier	Zinc (Zn)	7440-66-6		0.035	mg
			Supplier	Iron (Fe)	7439-89-6		0.648	mg
			Supplier	Copper (Cu)	7440-50-8		26.3	mg
Die	1.31	mg	Supplier	Silicon (Si)	7440-21-3		1.31	mg
Die Attach Solder	3.524	mg	Supplier	Silver (Ag)	7440-22-4		0.0881	mg
			А	Lead (Pb)	7439-92-1	7a	3.2597	mg
			Supplier	Tin (Sn)	7440-31-5		0.1762	mg
Lead Frame	27.291	mg	Supplier	Silver (Ag)	7440-22-4		0.3	mg
			Supplier	Zinc (Zn)	7440-66-6		0.036	mg
			Supplier	Iron (Fe)	7439-89-6		0.655	mg
			Supplier	Copper (Cu)	7440-50-8		26.3	mg
Mold Compound-Black	23.412	mg	Supplier	4,4'-Bis(2,3-epoxypropoxy)-3,3',5,5'- tetramethylbiphenyl	85954-11-6		2.11	mg
			Supplier	Carbon Black (C)	1333-86-4		0.234	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		20.6	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.468	mg
Plating	1.73	mg	Supplier	Tin (Sn)	7440-31-5		1.73	mg
Wire Bond - Au	0.088	mg	Supplier	Gold (Au)	7440-57-5		0.088	mg
Wire Bond - Cu	0.877	mg	Supplier	Palladium (Pd)	7440-05-3		0.0175	mg
			Supplier	Copper (Cu)	7440-50-8		0.8595	mg

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 (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 signa range of distribution unless otherwise noted).