ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES International and P	IPC. Bannockł	ourn. Illinois. A	Il rights reserved untions.	nder both	This docume level parts, t	ent is a declaration en	n of the substar compasses all 1	aces within the manufact ower level materials for	urer listed which the	item. Note: if manufacturer	the item is an as has engineering	ssembly with low responsibility.	
	21.1 IPC Web Site for Information on IPC-1752 Standard Form http://www.ipc.org/IPC-175x Distribution				 Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information 					on			
Supplier Information													
Company name* Compa			ompany unique ID			Unique ID Authority				Response Date*			
onsemi										2024-05-05			
Contact Name Title - Contact			lact			Phone - Contact*			Email	Email - Contact*			
Product-Env-Stewards Product Envi			nviro Compliance		NA			Produ	Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Repres			esentative		Phone - Representative*			Email	Email - Representative*				
Product-Env-Stewards Product E			uct Enviro Compliance		NA			Produ	Product-Env-Stewards@onsemi.com				
Requester Item Number	Mfr Item	n Number	Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
	FSQ510	Q510MX 700V QR Cntrlr w/		v/swtch		2024-05-05 PH4			461.85	mg	Each		
Aanufacturing Proccess Inform	ation		·			·							
Terminal Plating / Grid Array Material Terminal Base A		Alloy J-STD-020 MSL Rating		Peak Process Body Temperature Max Time at Peak		k Temperature Number of Reflow Cycles							
Matte Tin (Sn) - annealed CU Alloy			3		250	С	30	seco	onds 3				
omments													
FTENTION: MSL 3 Rated item requin	res Bake and D	ry Pack (after	electrical test)										
or more information regarding materia	al 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), Dibutyl phthalate (DIP).									
cadmium, hexavalentchromium, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe y others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and cc for issues that arise regarding inform	ce of its products with European Union membe	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of					
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	ances per the definitio	on above	Supplier Acceptance	* Accepted					
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all					
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
Instructions: Complete all of the required fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the					
Supplier Digital Signature Ra	stislav 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
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	121.2	mg	Supplier	Silver (Ag)	7440-22-4		0.605	mg
			Supplier	Zinc (Zn)	7440-66-6		0.169	mg
			Supplier	Iron (Fe)	7439-89-6		3.16	mg
			Supplier	Copper (Cu)	7440-50-8		117.0001	mg
			Supplier	Phosphorus (P)	7723-14-0		0.2659	mg
Mold Compound-Black	321.0	mg		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

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).