ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and F	<b>position De</b> IPC, Bannockt an-American co	c <b>laration</b> ourn, Illinois. A opyright conver	Il rights reserved untions.	under both	This docume level parts, t	ent is a declaration he declaration er	on of the substance acompasses all lo	es within the man wer level material	ufacturer liste s for which th	d item. Note: if e manufacturer	the item is an as has engineering	ssembly with low responsibility.	
	1 IPC Web Site for Information on IPC-1752 Standard Form 7			Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				Materials and	ials and Mfg Information			
upplier Information													
'ompany name*	Company un	Company unique ID			Unique ID Authority				Response Date*				
onsemi						,				2022-02-11			
Contact Name Title -			Fitle - Contact			Phone - Contact*				Email - Contact*			
Product-Env-Stewards Pr			Product Enviro Compliance			NA			Prod	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title			Fitle - Representative			Phone - Representative*			Emai	Email - Representative*			
roduct-Env-Stewards	Product Enviro Compliance				NA			Prod	Product-Env-Stewards@onsemi.com				
Requester Item Number						Effective Date	Version	Manufacturing	Site	Weight*	UOM	Unit Type	
	FQP4N8	QP4N80 QF 800V 3.60hm		ТО220		2022-02-11	CP8			2030.181	mg	Each	
Ianufacturing Proccess Inform	ation					•	-	-					
Terminal Plating / Grid Array Material Terminal		erminal Base	e Alloy J-STD-020 MSI		Rating	Peak Proce	Peak Process Body Temperatur		at Peak Tempe	erature Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed C		CU Alloy NA			0 C		30	sec	conds 3				
omments													
or more information regarding materi	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), Diisobutyl 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 temp	erature type solders (i.e. lead based sol	der alloys containing 85% by weight or m	ore 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.

sigma range of distribution unless	ouler wise noted).		_					
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	2.81	mg	Supplier	Silicon (Si)	7440-21-3		2.81	mg
Die Attach	1.111	mg	Supplier	Silver (Ag)	7440-22-4		0.0167	mg
			А	Lead (Pb)	7439-92-1	7a	1.0388	mg
			Supplier	Tin (Sn)	7440-31-5		0.0555	mg
Lead Frame	1492.12	mg	В	Nickel (Ni)	7440-02-0		0.1492	mg
			Supplier	Iron (Fe)	7439-89-6		1.4921	mg
			Supplier	Copper (Cu)	7440-50-8		1490.031	mg
			Supplier	Phosphorus (P)	7723-14-0		0.4476	mg
Mold Compound-Black	518.4	mg		Proprietary	proprietary data		63.504	mg
			Supplier	Carbon Black (C)	1333-86-4		2.592	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		362.88	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		63.504	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		25.92	mg
Plating	13.3	mg	Supplier	Tin (Sn)	7440-31-5		13.3	mg
Wire Bond - Al	2.44	mg	Supplier	Aluminum (Al)	7429-90-5		2.44	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 signa range of distribution unless otherwise noted).