ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES® MALECTRONICS INDUSTRIES®	PC. Bannockł	ourn. Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declarat	ion of the su	ubstances s all lower	within the manufac level materials for	turer listed which the	item. Note: i manufacture	f the item is an as r has engineering	ssembly with lowe responsibility.	
	21.1 IPC Web Site for Information on IPC-1752 Standard Form http://www.ipc.org/IPC-175x Distril				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Info					Mfg Informat	ion			
Supplier Information														
Company name* Co			Company unique ID			Unique ID Authority					Response Date*			
onsemi										2024-0	2024-05-16			
Contact Name	ntact Name Title - Contact				Phone - Contact*				Email	Email - Contact*				
Product-Env-Stewards Product Envi			nviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Rep			epresentative			Phone - Representative*				Email	Email - Representative*			
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Requester Item Number Mfr Item		Number Mfr Item Name			Effective Date	Version	N	Manufacturing Site		Weight*	UOM	Unit Type	
	FQB19N	FQB19N20CTM QFC 200V 170m0		Ohm D2PAK		2024-05-16		N	MY1		1485.898	mg	Each	
Manufacturing Proccess Informa	tion													
Terminal Plating / Grid Array Ma	aterial 7	erial Terminal Base Alloy		J-STD-020 MSI	ISL Rating Peal		ak Process Body Temperature Max Time at Peak		ak Temper	Temperature Number of Reflow Cycles		cles		
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		245		С	30	seco	onds 3			
Comments														
evel 1 - maximum time at peak temperatu	ire during so	Idering is 10-3	0 seconds											
or more information regarding material	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	otherwise noted).							
Homogeneous Material Weight Unit of Measu		Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	12.3	mg	Supplier	Silicon (Si)	7440-21-3		12.3	mg
Die Attach Solder	7.33	mg	Supplier	Silver (Ag)	7440-22-4		0.1832	mg
			А	Lead (Pb)	7439-92-1	7a	6.7803	mg
			Supplier	Tin (Sn)	7440-31-5		0.3665	mg
Lead Frame	860.318	mg	Supplier	Tin (Sn)	7440-31-5		1.0324	mg
			В	Nickel (Ni)	7440-02-0		0.4302	mg
			Supplier	Copper (Cu)	7440-50-8		858.8555	mg
Mold Compound-Black	595.8	mg	Supplier	2,6-dibromo-4-[1-(3-bromo-4- hydroxyphenyl)-1-methylethyl]phenol	6386-73-8		11.9	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		163.9999	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		17.9	mg
			Supplier	Carbon Black (C)	1333-86-4		5.95	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		396.0497	mg
Plating	5.52	mg	Supplier	Tin (Sn)	7440-31-5		5.52	mg
Wire Bond - Al	4.63	mg	Supplier	Aluminum (Al)	7429-90-5		4.63	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)