ABSOCIATION CONNECTING ELECTRANICS INDUSTRIES OF INTERNATION CONNECTING	IPC. Bannock	burn. 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 r level mate	manufacture erials for wh	er listed ite nich the ma	m. Note: nufacture	if the item is an a er has engineering	ssembly with lowe responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Fo http://www.ipc.org/IPC-175x Dis								eous Materia	als and Mfg Information					
Supplier Information															
Company name* Compan			npany unique ID			Unique ID Authority					Response Date*				
onsemi												2024-05-18			
ontact Name Title - Contact			:t			Phone - Contact*				Email - Contact*					
Product-Env-Stewards Product Env			Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Repre			esentative			Phone - Representative*				Email - Representative*					
Product-Env-Stewards Product			duct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Requester Item Number	ster Item Number Mfr Item N		Number Mfr Item Name			Effective Date Version Manufacturing		ing Site	W	eight*	UOM	Unit Type			
	MMBF1	70	FET 60V 5.0 mOhm SOT23			2024-05-18		C	CNF		8.	02	mg	Each	
Manufacturing Proccess Informa	ation							·			·				
Terminal Plating / Grid Array M	Iaterial Terminal Base		Alloy	J-STD-020 MSL Ratin		Peak Proc	Process Body Temperatur		ure Max Time at Peak Temper		Temperatu	e Num	nber of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Allo		CU Alloy		1		260	260 C		30 seco		second	seconds 3			
comments															
vel 1 - maximum time at peak temperat	ture during so	ldering 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), Disobutyl phthalate (DIBP).										
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	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.

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

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.05	mg	Supplier	Silicon (Si)	7440-21-3		0.05	mg
Lead Frame	2.92	mg	Supplier	Silver (Ag)	7440-22-4		0.0584	mg
			В	Nickel (Ni)	7440-02-0		1.06	mg
			Supplier	Iron (Fe)	7439-89-6		1.4658	mg
			Supplier	Copper (Cu)	7440-50-8		0.3358	mg
Mold Compound-Black	4.9	mg		Epoxy resin	proprietary data		0.343	mg
			Supplier	Phenolic Resin	Proprietary Data		0.1225	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.3675	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0245	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		3.92	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.1225	mg
Plating	0.14	mg	Supplier	Tin (Sn)	7440-31-5		0.14	mg
Wire Bond - Cu	0.01	mg	Supplier	Copper (Cu)	7440-50-8		0.01	mg