ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Par	PC. Bannockł	burn, Illinois, A	ll rights reserved untions.	under both	This docume level parts, t	ent is a declarati he declaration e	on of the su	bstances v s all lower	vithin the manufactu level materials for v	rer listed in the rest of the	tem. Note: nanufacture	if the item is an as r has engineering	sembly with low responsibility.	
	-21.1 IPC Web Site for Information on IPC-1752 Standard Form Distribution Distribut				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg I					Ifg Informat	tion			
upplier Information														
Company name* Compa			npany unique ID			Unique ID Authority				Respon	Response Date*			
nsemi								2024-05-06						
ntact Name Title - Contact			et		Phone - Contac	ne - Contact*			Email -	Email - Contact*				
Product-Env-Stewards Product Envi			viro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Repres			esentative			Phone - Representative*				Email - Representative*				
Product-Env-Stewards Product			roduct Enviro Compliance			NA				Produc	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item	n Number	Mfr Item Name			Effective Date	Version	М	Manufacturing Site		Weight*	UOM	Unit Type	
	MMBT5	BT5179 SOT-23 PN5179 N		MARKED 3C	KED 3C 2024-			C	CNF		8.706	mg	Each	
Ianufacturing Proccess Informa	tion		•				-							
Terminal Plating / Grid Array Ma	aterial 7	l Terminal Base Alloy		J-STD-020 MSI	L Rating	Peak Proce	Process Body Temperature Max Time at Pea		Tempera	ture Num	ber of Reflow Cyc	les		
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		260		С	30	secoi	nds 3			
omments														
vel 1 - maximum time at peak temperatu	ire during so	ldering 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, 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 v 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 co 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
	8					Exempt	0	Unit of Measure
Die	0.048	mg	Supplier	Silicon (Si)	7440-21-3		0.048	mg
Lead Frame	2.371	mg	Supplier	Silver (Ag)	7440-22-4		0.0529	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0057	mg
			Supplier	Manganese (Mn)	7439-96-5		0.0289	mg
			В	Nickel (Ni)	7440-02-0		0.9735	mg
			Supplier	Iron (Fe)	7439-89-6		1.31	mg
Mold Compound-Black	6.061	mg		Metal Hydroxide	proprietary data		0.2121	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.4849	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0303	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		4.8488	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.4849	mg
Plating	0.206	mg	Supplier	Tin (Sn)	7440-31-5		0.206	mg
Wire Bond - Au	0.02	mg	Supplier	Gold (Au)	7440-57-5		0.02	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).