© Copy	rial Composition right 2005. IPC, Bar ional and Pan-Ameri	nnockburn, I	Illinois. All	rights reserved u	under both	This docum level parts, t	ent is a decla	ration of on encom	the substances passes all low	s within the er level mate	manufactur erials for wh	er listed ite	m. Note: inufactur	if the item is an a er has engineering	ssembly with lower responsibility.	
					Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ous Materia	ials and Mfg Information				
Supplier Information																
Company name*			Company unique ID			Unique ID Authority					Response Date*					
onsemi											2022-08-24					
Contact Name Ti			Title - Contact				Phone - Contact*					Email - Contact*				
Product-Env-Stewards			Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com					
Authorized Representative*			Title - Representative			Phone - Representative*				Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com						
Requester Item Number Mfr Item		fr Item Num	Number Mfr Item Name				Effective D	ate Ve	rsion	Manufacturing Site		W	eight*	UOM	Unit Type	
	M	MMBT4403LT1G		SS SOT23 GP XSTR PNP 40V			2022-08-24			CN1		8.	02	mg	Each	
Manufacturing Proccess	s Information						•									
Terminal Plating / Grid Array Material Termina			nal Base Al	Base Alloy J-STD-020 MSL Rating			Peak Process Body Temperature Max Time at Peak				Temperature Number of Reflow Cycles					
Matte Tin (Sn) - annealed CU Alloy			lloy		1		260		С	30		second	s 3			
Comments																
level 1 - maximum time at pea	k temperature dur	ing solderin	ng is 10-30	seconds												
For more information regardi	ng material compo	sition pleas	se refer to p	page 3												

RoHS Material Composition Declaration				Declaration Type *	Detailed				
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybro	ominated Biphenyls (PBB), Polybron	dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth					
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 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 fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.									
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.

sigma range of distribution unless otherwise noted).										
Homogeneous Material Weight Uni		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	В	Nickel (Ni)	7440-02-0		1.06	mg		
			Supplier	Iron (Fe)	7439-89-6		1.4658	mg		
			Supplier	Copper (Cu)	7440-50-8		0.3942	mg		
Mold Compound-Black	4.9	mg	Supplier	Boron zinc hydroxide oxide	138265-88-0		0.147	mg		
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.0245	mg		
			Supplier	2,4,6-triamino-1,3,5-triazine isocyanuric acid	37640-57-6		0.147	mg		
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.92	mg		
			Supplier	Carbon Black (C)	1333-86-4		0.049	mg		
			Supplier	Proprietary Data	29690-82-2		0.392	mg		
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.2205	mg		
Plating	0.14	mg	Supplier	Tin (Sn)	7440-31-5		0.14	mg		
Wire Bond	0.01	mg	Supplier	Palladium (Pd)	7440-05-3		0.0001	mg		
			Supplier	Copper (Cu)	7440-50-8		0.0099	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).