	Material Composit © Copyright 2005. IPC, 1 international and Pan-An	Bannockb	urn, Illinois. A	Il rights reserved nations.	under both	This docum level parts,	ent is a decla the declaratio	ration of n encom	the substance passes all low	s within the manufa er level materials fo	cturer listed r which the	d item. Note: e manufacture	if the item is an a r has engineering	ssembly with lower responsibility.	
1752-21.1					Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					terials and	ials and Mfg Information			
Supplier Inform	ation														
Company name*			Company unique ID			Unique ID Authority					Response Date*				
onsemi											2025-0	2025-06-07			
Contact Name			Title - Contact				Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance			NA				Prod	Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Representative			Phone - Representative*			Email	Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			NA				Prod	Product-Env-Stewards@onsemi.com				
Requester	Requester Item Number Mfr Item		Number Mfr Item Name				Effective D	ate Ver	rsion	Manufacturing Site		Weight*	UOM	Unit Type	
		MUN2230T1G SS		SS SC59 BR XSTR NPN 50V			2025-06-07			CN1		11.03	mg	Each	
Manufacturing I	Proccess Information	1						·				- -			
Terminal Plating / Grid Array Material Termin			erminal Base A	Il Base Alloy J-STD-020 MSL		L Rating	Peak P	Peak Process Body Temperature		are Max Time at P	eak Tempe	rature Num	ber of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy			U Alloy		1		260		С	30	sec	conds 3			
Comments															
level 1 - maximum ti	me at peak temperature d	luring sol	dering is 10-3	0 seconds											
For more informatio	on regarding material com	position p	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 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	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 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

sigma range of distribution unless	otherwise noted).				-	_		-
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.22	mg	Supplier	Silicon (Si)	7440-21-3		0.22	mg
Lead Frame	3.06	mg	В	Nickel (Ni)	7440-02-0		1.2393	mg
			Supplier	Iron (Fe)	7439-89-6		1.6983	mg
			Supplier	Copper (Cu)	7440-50-8		0.1224	mg
Mold Compound-Black	7.13	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.713	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0356	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		1.0338	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		4.6345	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.713	mg
Plating	0.52	mg	Supplier	Tin (Sn)	7440-31-5		0.52	mg
Wire Bond - Cu	0.1	mg	Supplier	Copper (Cu)	7440-50-8		0.1	mg