52-21.1 <b>ipplier In</b>			IDC 1750 C		nder both	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with low level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.							
ıpplier In		IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfg Information			
	formation												
Company name*			Company unique ID			Ţ	Jnique ID Auth	ority		Response Date*			
semi									2025-06-04				
ntact Name	e	Title - Contact			F	Phone - Contact*			Email - Contact*				
roduct-Env-	-Stewards	Product Enviro Compliance			1	NA			Product-Env-Stewards@onsemi.com				
thorized Re	epresentative*	Title - Representative			F	Phone - Representative*			Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance			]	NA			Product-Env-Stewards@onsemi.com			
Re	equester Item Number	Mfr Item Number		Mfr Item Name			Effective Date	Version	Manufacturing Site	Weight*	UOM	Unit Type	
	TIP117G		3	BIP T0220 PNP 2A 100V			2025-06-04		CN5	1962.01	mg	Each	
	ring Process Informa		Famalani Dana	A11	-STD-020 MSL	Datina	Deels Dees	De de Terres	Mar Time 4 Deal	T Numb	or of Deflect Co		
	, , , , , , , , , , , , , , , , , , ,		Terminal Base Alloy J-STD CU Allov NA			JZU MSL Kating		Peak Process Body Temperature Max Time at Peak  O C 30		k Temperature Number of Reflow Cycles seconds 3			
	itte 1111 (SII) - annealed		CU AHOY	I	NA		U		30	seconds 3			
mments													
	ormation regarding material	•4•	1										

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).								
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its uppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.									
RoHS Declaration * 4 - Item(s	) does not contain RoHS restricted substance	s per the definition above except for selected exemp	tions Supplier Acceptance	* Accepted					
Exemption: 7a: Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).									
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	astislav Drska	-En							

## **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	3.55	mg	Supplier	Silicon (Si)	7440-21-3		3.55	mg
Die Attach	82.98	mg	A	Lead (Pb)	7439-92-1	7a	78.831	mg
			Supplier	Tin (Sn)	7440-31-5		4.149	mg
Lead Frame	1300.04	mg	Supplier	Copper (Cu)	7440-50-8		1300.04	mg
Mold Compound-Black	543.9			Brominated epoxy resin	proprietary data		10.878	mg
			Supplier	Phenolic Resin	Proprietary Data		27.195	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		16.317	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		435.12	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		54.39	mg
Plating	31.13	mg	Supplier	Tin (Sn)	7440-31-5		31.13	mg
Wire Bond - Al	0.41	mg	Supplier	Aluminum (Al)	7429-90-5		0.41	mg