IPC ASSOCIATION ELECTRONIC	Material Com © Copyright 2005. SINDUSTRIES international and P	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under international and Pan-American copyright conventions.			nder both						listed item. Note: if h the manufacturer			
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ıs Materials	ials and Mfg Information			
upplier	r Information													
Company name*			Company un	ompany unique ID			Unique ID Authority				Response Date*			
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	Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	Version	Manufacturing	Manufacturing Site		UOM	Unit Type	
		TIP31AG BIP T0220		BIP T0220 NPN 3	T0220 NPN 3A 60V		2024-05-19 CNC			1962.01 n		Each		
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RoHS Material Composition Declaration			Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU											
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 of Supplier's Iability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty right											
RoHS Declaration * 4 - Item(s	s) does not contain RoHS restricted substance	ces per the definition above except for selected exer	nptions 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: 7c-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.											
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 R		,									

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	-	Supplier	Silicon (Si)	7440-21-3		3.5145	mg
			Supplier	Lead Bisilicate	65997-18-4	7c	0.0355	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