	Material Compo © Copyright 2005. IP International and Pan-	C, Bannockb	urn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a declaration	tion of the encompas	e substances sses all low	within the r er level mate	nanufacture rials for wh	er listed ite	m. Note: i inufacture	f the item is an as r has engineering	sembly with lowe responsibility.	
1752-21.1					Form Type Distribute						ous Materia	ials and Mfg Information				
Supplier	r Information															
Company name* Compan				ompany unique ID			Unique ID Authority					Response Date*				
onsemi												2024-05-20				
Contact N	lame	Title - Contact			]	Phone - Contact*					Email - Contact*					
Product-I	Env-Stewards	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com					
uthorize	ed Representative*	Title - Representative			]	Phone - Representative*				Email - Representative*						
Product-I	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
	Requester Item Number Mfr Item Number   KSD1616AGBU		Number Mfr Item Name				Effective Date	e Version Manufacturing Site		ng Site	W	eight*	UOM	Unit Type		
			6AGBU	NPN/120V/1A			2024-05-20 CNF			22	23.65	mg	Each			
/Ianufa	cturing Proccess Informat	ion														
	Terminal Plating / Grid Array Material		Ferminal Base Alloy J-STD-020 I		J-STD-020 MSI	L Rating	Peak Process Body Temper		/ Temperatu	ture Max Time at Peak Te		Temperatu	re Numb	per of Reflow Cyc	les	
	Matte Tin (Sn) - annealed		CU Alloy NA			0 C		30 8		second	s 3					
omments	3															
or more	information regarding material of	composition	please refer to	page 3												

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chror	nition: 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 ry (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl BP), 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 y 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 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
Die	0.41	mg	Supplier	Silicon (Si)	7440-21-3		0.41	mg
Die Attach	0.2	mg	Supplier	Silver (Ag)	7440-22-4		0.17	mg
			Supplier	Phenolic Resin	Proprietary Data		0.03	mg
Lead Frame	101.0	mg	Supplier	Silver (Ag)	7440-22-4		1.01	mg
			Supplier	Iron (Fe)	7439-89-6		0.101	mg
			Supplier	Copper (Cu)	7440-50-8		99.8587	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0303	mg
Mold Compound-Black	112.0	mg		Phenol Resin	proprietary data		11.2	mg
			Supplier	Carbon Black (C)	1333-86-4		1.12	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		86.24	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		13.44	mg
Plating	9.94	mg	Supplier	Tin (Sn)	7440-31-5		9.94	mg
Wire Bond - Au	0.1	mg	Supplier	Gold (Au)	7440-57-5		0.1	mg