ABBOCIATION CONNECTING ELECTRONICS INDUSTRIES® INFORMATION AND A	IPC, Bannock	burn, Illinois. A	All rights reserved untions.	nder both	This docume level parts, t	ent is a declar the declaratio	ration of n encom	the substance passes all low	s within th er level m	e manufactu aterials for w	rer listed it which the m	em. Note anufactu	e: if the item is an arer has engineerin	assembly with low ig responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Tyj http://www.ipc.org/IPC-175x Distribut				e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information				
Supplier Information															
Company name*	Company unique ID			Unique ID Authority					Response Date*						
nsemi										2023-06-08					
			Title - Contact			Phone - Contact*					Email - (	Email - Contact*			
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com						
Authorized Representative* Title			Title - Representative			Phone - Representative*				Email - Representative*					
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
Requester Item Number	nber Mfr Item		em Number Mfr Item Name				ate Ve	rsion	Manufacturing Site THB		V	Veight*	UOM	Unit Type	
	CAT42	CAT4201TD-GT3 LEI		LED DR, BUCK, 7 LED		2023-06-08					1	2.68	mg	Each	
Aanufacturing Proccess Inform	ation					, 							1	1	
Terminal Plating / Grid Array N	Iaterial	Terminal Base	Alloy	J-STD-020 MSL Ratin		Peak Process Body		ody Temperat	Temperature Max Time at Peak		. Temperatu	Temperature Number of Reflow Cycles		ycles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260		C	30		second	seconds 3			
Comments															
vel 1 - maximum time at peak tempera	ture during so	oldering is 10-3	0 seconds												
or more information regarding materia	d composition	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), 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 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 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	0.49	mg	Supplier	Silicon (Si)	7440-21-3		0.49	mg
Die Attach	0.14	mg	Supplier	Silver (Ag)	7440-22-4		0.105	mg
			Supplier	Epoxy resins	129915-35-1		0.035	mg
Lead Frame	6.26	mg	Supplier	Tin (Sn)	7440-31-5		0.0175	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0163	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0188	mg
			Supplier	Copper (Cu)	7440-50-8		6.2074	mg
Mold Compound-Black	5.6	mg		Epoxy resin	proprietary data		0.28	mg
			Supplier	Phenolic Resin	Proprietary Data		0.28	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.112	mg
			Supplier	Carbon Black (C)	1333-86-4		0.028	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		4.9	mg
Plating	0.08	mg	Supplier	Palladium (Pd)	7440-05-3		0.005	mg
			В	Nickel (Ni)	7440-02-0		0.0742	mg
			Supplier	Gold (Au)	7440-57-5		0.0009	mg
Wire Bond - Au	0.11	mg	Supplier	Gold (Au)	7440-57-5		0.11	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 sigma range of distribution unless otherwise noted).