ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® Material Composition © Copyright 2005. IPC, Bann international and Pan-Americ	ockburn, Illinois. A	All rights reserved untions.	under both	This docume level parts, t	ent is a declara he declaration	tion of the s encompasse	ubstances es all low	s within the manufactor er level materials for v	urer listed which the	item. Note: i manufacture	if the item is an as r has engineering	sembly with lower responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute			*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				rials and N	als and Mfg Information			
Supplier Information													
Company name* Company unique ID			Uniq		Unique ID Authority				Respor	Response Date*			
onsemi									2023-0	2023-06-08			
Contact Name	Vame Title - Contact				Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards	oduct-Env-Stewards Product Enviro Compliance			NA			I I			Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Representative			Phone			- Representative*			Email	Email - Representative*			
Product-Env-Stewards	ro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr	Mfr Item Number		Mfr Item Name		Effective Dat	e Version		Manufacturing Site		Weight*	UOM	Unit Type	
NC	CV8452STT1G 40V Single Chann		nel HS Driver		2023-06-08					109.99	mg	Each	
Manufacturing Proccess Information											·		
Terminal Plating / Grid Array Material	ninal Plating / Grid Array Material Terminal Base Alloy J-ST			Rating	Peak Process Body Temperature Max Time at Peak				k Tempera	Temperature Number of Reflow Cycles			
Matte Tin (Sn) - annealed CU Alloy 1			1		260		С	30	seco	nds 3			
Comments													
level 1 - maximum time at peak temperature durin	g soldering is 10-3	30 seconds											
For more information regarding material composi	ion please refer to	o page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		mium (Cr6+), Polybrominated Biphenyls (Pl		dmium and quantity limit of 0.1% by mass (10 minated Diphenyl Ethers (PBDE), and Bis(2-et	
cadmium, hexavalentchromium, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company	ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in iffies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg	nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co	e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations are at least as comprehensive as the anty rights and/or remedies provided as part of
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted subst	ances per the definition above except for sele	ected exempt	ions Supplier Acceptance	* Accepted
Exemption: 7a: Lead in high melting temp	erature type solders (i.e. lead based sol	der alloys containing 85% by weight or m	ore lead).		
Exemption List Version	EL-2011/534/EU				
Declaration Signature					
Instructions: Complete all of the required Requester) and click on Submit Form to h			e drop-dowi	a. This will display the signature area. Digita	lly sign the declaration (if required by the
Supplier Digital Signature	astislav 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.

sigma range of distribution unless	otherwise noted).							
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	3.3	mg	Supplier	Silicon (Si)	7440-21-3		3.3	mg
Die Attach Solder	2.37	mg	Supplier	Silver (Ag)	7440-22-4		0.0592	mg
			А	Lead (Pb)	7439-92-1	7a	2.2633	mg
			Supplier	Tin (Sn)	7440-31-5		0.0474	mg
Lead Frame	37.17	mg	Supplier	Silver (Ag)	7440-22-4		0.4832	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0372	mg
			Supplier	Iron (Fe)	7439-89-6		0.8921	mg
			Supplier	Copper (Cu)	7440-50-8		35.7575	mg
Mold Compound-Black	59.7	mg		Epoxy resin	proprietary data		4.4775	mg
			Supplier	Phenolic Resin	Proprietary Data		1.4925	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		4.4775	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2985	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		48.954	mg
Plating	7.44	mg	Supplier	Tin (Sn)	7440-31-5		7.44	mg
Wire Bond - Au	0.01	mg	Supplier	Gold (Au)	7440-57-5		0.01	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).