ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Pa	IPC Bannockl	ourn Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declaration entities the declaration entities and the declaration entities and the declaration entities and the declaration entities are an entities and the declaration entities are an entities and the declaration entities are an entite are an entities are an entities are an entite are	on of the su	bstances v all lower	within the manufactu level materials for w	rer listed which the 1	item. Note: nanufactur	if the item is an as er has engineering	sembly with low responsibility.	
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat					ation				
upplier Information														
Company name* Comp			Company unique ID			Unique ID Authority					Response Date*			
nsemi										2024-05-21				
ntact Name Title - Contact					Phone - Contact*				Email -	Email - Contact*				
Product-Env-Stewards Product Enviro Co			o Compliance		NA				Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Representative			sentative	ve J		Phone - Representative*			Email - Representative*					
Product-Env-Stewards Product Envi			viro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	tive Date Version Manufacturing Site		Ianufacturing Site		Weight*	UOM	Unit Type	
	MCH402	CH4020-TL-H BIP NPN 150mA 8V		8V fT=16G		2024-05-21 CNG		NG	7.73		mg	Each		
Ianufacturing Proccess Informa	ation							·						
Terminal Plating / Grid Array M	Terminal Plating / Grid Array Material Terminal Base Alloy		Alloy	I-STD-020 MSL Rating P		Peak Proce	Peak Process Body Temperature Max Time at Peal		Tempera	ture Num	nber of Reflow Cyc	eles		
contains Bi CU Alloy			1		260		С	30	seco	nds 3				
omments														
vel 1 - maximum time at peak temperat	ure during so	ldering is 10-3	0 seconds											
or more information regarding materia	l 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), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP).										
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	0.04	mg	Supplier	Silicon (Si)	7440-21-3		0.04	mg
Lead Frame	3.1	mg	Supplier	Silver (Ag)	7440-22-4		0.0967	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0059	mg
			В	Nickel (Ni)	7440-02-0		0.0161	mg
			Supplier	Iron (Fe)	7439-89-6		0.0778	mg
			Supplier	Copper (Cu)	7440-50-8		2.8991	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0043	mg
Mold Compound-Black	4.5	mg		Epoxy Phenol Resin	proprietary data		0.036	mg
			Supplier	Carbon Black (C)	1333-86-4		0.045	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.27	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		3.6	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.54	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.009	mg
Plating	0.07	mg	В	Bismuth (Bi)	7440-69-9		0.0004	mg
			Supplier	Tin (Sn)	7440-31-5		0.0696	mg
Wire Bond - Au	0.02	mg	Supplier	Gold (Au)	7440-57-5		0.02	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).