ABBOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Par	C, Bannockl	burn, Illinois. A	ll rights reserved un ntions.	nder both	This docum level parts, t	ent is a decla the declaratio	ration of the	substances ses all lowe	within the ma er level materia	nufacturer lis ls for which t	ted item. he manut	Note: if th facturer ha	ne item is an ass as engineering r	embly with lower esponsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Material					ls and Mfg Information				
Supplier Information															
Company name*	Company uni	Company unique ID			Unique ID Authority					Response Date*					
onsemi										2023-06-08					
Contact Name Ti			Title - Contact			Phone - Contact*					Email - Contact*				
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA				Pro	Product-Env-Stewards@onsemi.com					
Authorized Representative*			Title - Representative			Phone - Representative*				Em	Email - Representative*				
Product-Env-Stewards	Product Enviro Compliance				NA				Pro	Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective D	tive Date Version Manufacturing Site		Site	Weig	;ht*	UOM	Unit Type		
	MM74H	MM74HCT245MTCX 8-Bit I		-Bit Bi-Direct Xcvr		2023-06-08	;		PH4		73.35	5	mg	Each	
Manufacturing Proccess Informa	ion												-		
Terminal Plating / Grid Array Ma	terial	Ferminal Base A	Alloy J	J-STD-020 MSL Rating		Peak Process Body Tem		Temperatu	rature Max Time at Peak Te		emperature Number of Reflow Cycles		es		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1				260		С	30 seco		econds	conds 3			
Comments															
evel 1 - maximum time at peak temperatu	re during so	ldering is 10-3	0 seconds												
or more information regarding material	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), Disobutyl 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 co 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	1.25	mg	Supplier	Silicon (Si)	7440-21-3		1.25	mg
Die Attach	0.136	mg		Epoxy resin	proprietary data		0.0136	mg
			Supplier	Ethylene dimethacrylate	97-90-5		0.0068	mg
			Supplier	Silver (Ag)	7440-22-4		0.1088	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.0068	mg
Lead Frame	30.624	mg	Supplier	Zinc (Zn)	7440-66-6		0.0367	mg
			Supplier	Iron (Fe)	7439-89-6		0.7197	mg
			Supplier	Copper (Cu)	7440-50-8		29.8584	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0092	mg
Mold Compound-Black	40.867	mg		Epoxy resin	proprietary data		3.065	mg
			Supplier	Phenolic Resin	Proprietary Data		1.0217	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.065	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2043	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		33.5109	mg
Plating	0.223	mg	Supplier	Palladium (Pd)	7440-05-3		0.006	mg
			В	Nickel (Ni)	7440-02-0		0.213	mg
			Supplier	Gold (Au)	7440-57-5		0.004	mg
Wire Bond - Cu	0.25	mg	Supplier	Copper (Cu)	7440-50-8		0.25	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).