ASSOCIATION CONNECTING ELECTROMICS INDUSTRIES International and Pan-	C. Bannockł	ourn, Illinois, A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declaration e	on of the su	bstances v all lower	vithin the manufactule level materials for v	urer listed which the	item. Note: i nanufacturer	f the item is an as has engineering	sembly with low responsibility.	
				Form Type Distribute	*	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg					Ifg Informati	on		
upplier Information														
Company name* Company u			y unique ID			Unique ID Authority				Respon	Response Date*			
onsemi										2023-0	2023-06-08			
Contact Name	act Name Title - Contact					Phone - Contact*				Email ·	Email - Contact*			
Product-Env-Stewards Product Enviro Compliance			ro Compliance	NA			Pr			Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Representative			sentative	ative I		Phone - Representative*			Email ·	Email - Representative*				
Product-Env-Stewards Product			roduct Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item Number		Mfr Item Name			Effective Date	Version	Μ	Ianufacturing Site		Weight*	UOM	Unit Type	
	MM74H	MM74HC374WM OCTAL D-TYPE F		E FLIP FLOP		2023-06-08 F		P	PH1		535.9996	mg	Each	
Ianufacturing Proccess Informat	ion					·		i				· ·		
Terminal Plating / Grid Array Mat	erial T	al Terminal Base Alloy J-S		J-STD-020 MSI	Rating	Peak Process Body Temperat		emperature	ure Max Time at Peak Tempera		ture Numb	er of Reflow Cyd	eles	
Matte Tin (Sn) - annealed CU Alloy			3		260		С	30	seco	nds 3				
omments														
ITENTION: MSL 3 Rated item requires	Bake and D	Dry Pack (after	electrical test)											
or more information regarding material c	omposition	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 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 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	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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	25.835	mg	Supplier	Silicon (Si)	7440-21-3		25.835	mg	
Die Attach	0.4286	mg	Supplier	Silver (Ag)	7440-22-4		0.3107	mg	
			Supplier	Phenolic Resin-2	54208-63-8		0.1179	mg	
Lead Frame	171.52	mg	Supplier	Silver (Ag)	7440-22-4		1.372	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.257	mg	
			Supplier	Iron (Fe)	7439-89-6		3.911	mg	
			Supplier	Copper (Cu)	7440-50-8		165.808	mg	
			Supplier	Phosphorus (P)	7723-14-0		0.172	mg	
Mold Compound-Black	321.6	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		19.296	mg	
			Supplier	Carbon Black (C)	1333-86-4		3.216	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		289.44	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		9.648	mg	
Plating	16.08	mg	Supplier	Tin (Sn)	7440-31-5		16.08	mg	
Wire Bond - Au	0.536	mg	Supplier	Gold (Au)	7440-57-5		0.536	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).