ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES® INCLUSTRIES	, Bannockb	urn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a declar he declaratio	ration of th n encompa	ne substances asses all lowe	within the er level mat	manufacture erials for wh	er listed ite	em. Note: anufacture	if the item is an as er has engineering	sembly with lower responsibility.
	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 Mater					als and Mfg Information			
Supplier Information														
Company name* Compa			mpany unique ID U			Unique ID Authority					Response Date*			
onsemi											2023-06-08			
Contact Name Title - Contact]	Phone - Contact*					Email - Contact*			
Product-Env-Stewards Product Enviro Com				mpliance			NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Representative			sentative	Phone			ne - Representative*			Email - Representative*				
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Item Number Mf		Mfr Item Name			Effective Da	ate Vers	ion	Manufacturing Site		V	/eight*	UOM	Unit Type
	MM74H	MM74HC164MTC 8-BIT SIPO		SHIFT REG		2023-06-08			PH1		5.	4.823	mg	Each
Manufacturing Proccess Informatio	n		1				1	1					1	I
Terminal Plating / Grid Array Mater	ial T	erminal Base A	Alloy	J-STD-020 MS	L Rating	Peak Process Body Temp		ly Temperatu	ature Max Time at Peak Te		Temperatu	ature Number of Reflow Cycles		les
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260		C	30 secon		second	onds 3		
Comments											·	·		
evel 1 - maximum time at peak temperature	during sol	dering is 10-3	0 seconds											
for more information regarding material con	mposition	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 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 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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	0.496	mg	Supplier	Silicon (Si)	7440-21-3		0.496	mg	
Die Attach	0.055	mg	Supplier	Silver (Ag)	7440-22-4		0.044	mg	
			Supplier	Phenolic Resin-2	54208-63-8		0.011	mg	
Lead Frame	21.563	mg	Supplier	Magnesium (Mg)	7439-95-4		0.032	mg	
			Supplier	Silicon (Si)	7440-21-3		0.14	mg	
			В	Nickel (Ni)	7440-02-0		0.691	mg	
			Supplier	Copper (Cu)	7440-50-8		20.7	mg	
Mold Compound-Black	32.2	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		6.44	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.322	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		25.438	mg	
Plating	0.161	mg	Supplier	Palladium (Pd)	7440-05-3		0.005	mg	
			В	Nickel (Ni)	7440-02-0		0.153	mg	
			Supplier	Gold (Au)	7440-57-5		0.003	mg	
Wire Bond - Au	0.348	mg	Supplier	Gold (Au)	7440-57-5		0.348	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 signar range of distribution unless otherwise noted)