ABSOCIATION CONNECTING ELECTROMICS INDUSTRIES® International and P	IPC, Bannock	burn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declar the declaration	ation of t	he substances basses all low	within the ser level mate	manufactur erials for wl	er listed ite	m. Note: nufacture	if the item is an as er has engineering	ssembly with low 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 Materials and Mfg Information								
Supplier Information														
Company name* Company unique ID					-	Unique ID Authority					Response Date*			
nsemi	ısemi										2023-06-08			
Contact Name Title - Contact						Phone - Contact*					Email - Contact*			
Product-Env-Stewards Product Enviro Con			ro Compliance		NA					Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative					Phone - Representative*					Email - Representative*				
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Iter	Mfr Item Number Mfr Item Nam				Effective Da	ate Vers	sion	Manufacturing Site		W	eight*	UOM	Unit Type
	MT9M DP	9M001C12STM- 1 MP 1/2 CIS				2023-06-08		TWU			1	168.0	mg	Each
Anufacturing Proccess Inform	ation													L
Terminal Plating / Grid Array M	al Plating / Grid Array Material Terminal Base Alloy		Alloy	J-STD-020 MS	TD-020 MSL Rating Pe		Peak Process Body Temperature Max Time at Peak		me at Peak	Temperature Number of Reflow Cycles		cles		
Precious metal (e.g. Ag,Au, NiPdAu) (no CU Sn)		CU Alloy	U Alloy 3			260 C		C	30 seco		second	s 3		
omments														
TTENTION: MSL 3 Rated item requin	es Bake and	Dry Pack (after	electrical test)											
or more information regarding materia	l composition	n please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chror	oHS 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 b), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl thalate (BBP), Dibutyl phthalate (DBP), Diisobutyl 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 contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.												
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
Ceramic Substrate	816.1	mg	Supplier	Cobalt (Co)	7440-48-4		1.0609	mg
			Supplier	Titanium Dioxide (TiO2)	13463-67-7		8.161	mg
			Supplier	Tungsten (W)	7440-33-7		34.3578	mg
			Supplier	Magnesium Monoxide (MgO)	1309-48-4		4.8966	mg
			Supplier	Calcium Oxide (CaO)	60873-85-0		4.1621	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		22.8508	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		703.8862	mg
			В	Nickel (Ni)	7440-02-0		3.346	mg
			Supplier	Gold (Au)	7440-57-5		2.0402	mg
			Supplier	Chromium Trioxide (Cr2O3)	1308-38-9		31.3382	mg
Die	74.1	mg		Misc.	proprietary data		0.2816	mg
			Supplier	Silicon (Si)	7440-21-3		73.0848	mg
			Supplier	Aluminum (Al)	7429-90-5		0.7336	mg
Die Attach	37.8	mg	Supplier	Epoxy resins	129915-35-1		10.8108	mg
			Supplier	Polybutadiene polymer	Proprietary Data		2.4872	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		13.763	mg
			Supplier	Acrylic resins	Proprietary Data		10.739	mg
Imaging Lens	228.3	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		11.9858	mg
			Supplier	Sodium Monoxide (Na2O)	1313-59-3		11.6433	mg
			Supplier	Boron Trioxide (B2O3)	1303-86-2		11.9858	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		11.7118	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		1.1415	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		11.5292	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		11.552	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		156.7508	mg
Lid Attach	8.7	mg		Other Additive Agents	proprietary data		1.5155	mg
			Supplier	Photoinitiator	Proprietary Data		0.355	mg
			Supplier	Epoxy Prepolymer	Proprietary Data		6.8295	mg
Iarking Ink	0.1	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.0743	mg
-		-	Supplier	1-Methoxy-2-propyl acetate (MPA)	108-65-6		0.0099	mg
			Supplier	Butylglycol Acetate	112-07-2		0.0048	mg
			Supplier	Solvent Naphtha (Solvent oil)	64742-94-5		0.0046	mg

			Supplier	Cyclohexanone	108-94-1	0.005	mg
			Supplier	Xylene	1330-20-7	0.0014	mg
Wire Bond - Au	2.9	mg	Supplier	Gold (Au)	7440-57-5	2.9	mg