Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.					This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
IPC Web Site for Information on IPC-1752 Standard F			Form Type Distribute	Form Type * Declaration Class * Distribute Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information										
Supplier	Information													
Company	name*		Company uni	Company unique ID			Unique ID Authority				Response Date*			
onsemi											2024-04-25			
Contact N	ame		Title - Contac	Title - Contact			Phone - Contact*				Email - Contact*			
Product-E	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Representative				Phone - Representative*				Email - Representative*			
Product-E	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Requester Item Number Mfr Item		Number Mfr Item Name				Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type		
MT9M00 TP		01C12STM- 1 MP 1/2 CIS				2024-04-25		TWU		1168.0	mg	Each		
Manufacturing Process Information														
Terminal Plating / Grid Array Material Ter		Cerminal Base Alloy J-STI		J-STD-020 MSI	L Rating	ting Peak Process		ss Body Temperature Max Time at Peak		k Temperature Number of Reflow Cycle		S		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 3		3		260	C	30	seco	onds 3				
Comments														
ATTENTI	ON: MSL 3 Rated item requires Ba	ake and D	Ory Pack (after	electrical test)										
For more i	information regarding material con	nposition	please refer to	page 3										

RoHS Material Composition Declaration			Declaration Type *	Detail	led						
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), Diisobutyl phthalate (DIBP).											
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its uppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier have provided as part of that agreement, will be the sole and exclusivesource of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	cceptance *	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											
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recurined by the						
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	the declaration (if required by the						

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.

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).

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
Marking 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