ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES	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 lowe level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.										
752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute					* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information				
Supplier Informa	ation														
Company name*				ompany unique ID			Unique ID Authority					Response Date*			
nsemi											2023	2023-06-08			
Contact Name		Title - Contact]	Phone - Contact*				Emai	Email - Contact*				
Product-Env-Stewar	rds		Product Enviro Compliance				NA				Proc	Product-Env-Stewards@onsemi.com			
uthorized Represen	ntative*	Title - Representative]	Phone - Representative*				Emai	Email - Representative*				
Product-Env-Stewar	Product Enviro Compliance				NA				Proc	Product-Env-Stewards@onsemi.com					
Requester	r Item Number	Mfr Item Number		Mfr Item Name			Effective Dat	e Vers	sion	Manufacturing Site		Weight*	UOM	Unit Type	
		LV0221CS-TLM-H Laser monitor for		BD OPU		2023-06-08 PHM			3.99	mg	Each				
Ianufacturing I	Proccess Information	on													
Terminal F	Terminal Plating / Grid Array Material		Terminal Base Alloy J-STD-		J-STD-020 M	SL Rating	Peak Process Body Tempera		ly Temperati	ire Max Time at	Peak Tempo	erature Numb	er of Reflow Cy	cles	
SnAgCu		C	CU Alloy 3			260 C 30		se	seconds 3						
omments															
TTENTION: MSL	3 Rated item requires I	Bake and D	ry Pack (afte	r electrical test)											
or more informatio	n regarding material co	mposition j	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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 it provides in this form using appropriate methods to ensure its accuracy and that such 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, on independently verified information provided by others, Supplier 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 enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies 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 a											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	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											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	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
Die	0.46	mg	Supplier	Silicon (Si)	7440-21-3		0.46	mg
Electrode	0.01	mg	В	Nickel (Ni)	7440-02-0		0.004	mg
			Supplier	Gold (Au)	7440-57-5		0.0002	mg
			Supplier	Copper (Cu)	7440-50-8		0.0002	mg
			Supplier	Aluminum (Al)	7429-90-5		0.0055	mg
Glass Attach Epoxy	0.03	mg		Silicone polymer	proprietary data		0.03	mg
Glass Lid /Cap	3.03	mg	Supplier	Silica Amorphous (SiO2)	7631-86-9		2.1216	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.0009	mg
			Supplier	Barium Monoxide (BaO)	1304-28-5		0.2424	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.4242	mg
			Supplier	Calcium Monoxide (CaO)	1305-78-8		0.2409	mg
Insulating Layer	0.02	mg	Supplier	Silica Amorphous (SiO2)	7631-86-9		0.02	mg
Protection coat	0.14	mg	Supplier	Epoxy resins	129915-35-1		0.1134	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.0266	mg
Solder Ball	0.3	mg	Supplier	Silver (Ag)	7440-22-4		0.009	mg
			Supplier	Tin (Sn)	7440-31-5		0.2896	mg
			Supplier	Copper (Cu)	7440-50-8		0.0014	mg