	CONNECTING CS INDUSTRIES® MALETING CS INDUSTRIES® MALETIAL COMP	PC, Bannockb	ourn, Illinois. A	All rights reserved u ntions.	nder both	This docume level parts, t	ent is a declaration	tion of the	he substances asses all lowe	within the manufa or level materials for	cturer liste or which the	d item. Note: if e manufacturer	f the item is an as has engineering	ssembly with lowe responsibility.	
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					aterials and	als and Mfg Information				
Supplie	r Information														
Company name* Company unique ID				ique ID	ue ID Unic			Unique ID Authority				Response Date*			
onsemi											2023-	2023-06-06			
Contact N	lame	Title - Contact				Phone - Contact*				Emai	Email - Contact*				
Product-l	Env-Stewards		Product Enviro Compliance				NA				Prod	Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*	Title - Representative				Phone - Representative*				Emai	Email - Representative*				
Product-l	Env-Stewards	Product Enviro Compliance				NA				Prod	Product-Env-Stewards@onsemi.com				
			Number Mfr Item Name				Effective Date	e Vers	ion	Manufacturing Site		Weight*	UOM	Unit Type	
			8PW HI-GAIN D	PW HI-GAIN DARL DIP		2023-06-06		]	LITEONFG		590.7813	mg	Each		
/Ianufa	cturing Proccess Informa	tion													
	Terminal Plating / Grid Array Material		Ferminal Base Alloy J-STD-020 M		J-STD-020 MS	L Rating	Peak Process Body Temperat		ure Max Time at Peak Tempe		rature Numb	er of Reflow Cy	cles		
	Matte Tin (Sn) - annealed		CU Alloy NA			0 C		30 seco		conds 3					
omments	3														
or more	information regarding material	composition	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	RoHS Bolts 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).										
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	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.

Homogeneous Material Weight Un		Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Coupling Gel	211.509	mg	Supplier	Ethylbenzene	100-41-4	•	21.1509	mg
			Supplier	Filler (SiO2)	68909-20-6		84.6036	mg
			Supplier	Xylene	1330-20-7		105.7545	mg
Die	0.873334	mg	В	Gallium Arsenide (AsGa)	1303-00-0		0.0068	mg
			Supplier	Silicon (Si)	7440-21-3		0.8665	mg
Die Attach	0.25	mg	Supplier	Silver (Ag)	7440-22-4		0.2	mg
			Supplier	Phenolic Resin-2	54208-63-8		0.0275	mg
			Supplier	Dicyandiamine	461-58-5		0.005	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.0175	mg
Lead Frame	114.99	mg	Supplier	Silver (Ag)	7440-22-4		7.2398	mg
			Supplier	Zinc (Zn)	7440-66-6		0.1294	mg
			Supplier	Iron (Fe)	7439-89-6		2.5145	mg
			Supplier	Copper (Cu)	7440-50-8		105.0223	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0839	mg
Mold Compound-Black	251.509	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		50.3018	mg
			Supplier	2,6-dibromo-4-[1-(3-bromo-4- hydroxyphenyl)-1-methylethyl]phenol	6386-73-8		6.2877	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		31.4386	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		8.8028	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		125.7545	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		28.9235	mg
Plating	11.6	mg	Supplier	Tin (Sn)	7440-31-5		11.6	mg
Wire Bond - Au	0.05	mg	Supplier	Gold (Au)	7440-57-5		0.05	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).