	© Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn. Illinois. A	ll rights reserved untions.	under both	This docum level parts,	ent is a declar the declaration	ation of t n encomp	the substance basses all low	es within the m ver level mater	nanufacture rials for wh	er listed i nich the n	tem. Note: if nanufacturer	the item is an a has engineering	ssembly with lower 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 Mater					als and Mfg Information				
Supplier In	nformation														
Company name*			Company unique ID			Unique ID Authority					Response Date*				
onsemi											2023-06-08				
Contact Name	e	Title - Contact			Phone - Contact*				Email - Contact*						
Product-Env-Stewards			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Authorized R	Representative*		Title - Representative			Phone - Representative*				Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Re	equester Item Number	LV8827LFQA-NH 3PH DRV S driver with 1		n Number Mfr Item Name			Effective Da	te Vers	sion	Manufacturing Site			Weight*	UOM	Unit Type
					NSOR OPEN ; Three phase ll sensor method (open loop		2023-06-08			CNH			48.3	mg	Each
Manufactu	ring Proccess Information	ı													
Terminal Plating / Grid Array Material Terminal Base Alloy			Alloy	J-STD-020 MSI	D-020 MSL Rating Peak Process Body Temperature Max Time a				ne at Peak '	ak Temperature Number of Reflow Cycles					
Matte Tin (Sn) - annealed CU Alloy				3		260		С	30		secon	ids 3			
Comments															
ATTENTION	N: MSL 3 Rated item requires Ba	ike and D	ry Pack (after	electrical test)											
for more info	ormation regarding material com	position]	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybro	ominated Biphenyls (PBB), Polybron	dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth	
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	4.12	mg	Supplier	Silicon (Si)	7440-21-3		4.1048	mg	
			Supplier	Polyimide	Proprietary Data		0.0152	mg	
Die Attach	1.01	mg	Supplier	Silver (Ag)	7440-22-4		0.7524	mg	
			Supplier	Epoxy resins	129915-35-1		0.0859	mg	
			Supplier	Polybutadiene polymer	Proprietary Data		0.0202	mg	
			Supplier	Acrylic resins	Proprietary Data		0.1515	mg	
Lead Frame	24.87	mg	Supplier	Silver (Ag)	7440-22-4		0.2462	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.0224	mg	
			Supplier	Iron (Fe)	7439-89-6		0.5173	mg	
			Supplier	Copper (Cu)	7440-50-8		24.0617	mg	
			Supplier	Phosphorus (P)	7723-14-0		0.0224	mg	
Mold Compound-Black	17.39	mg		Phenolic Resin	proprietary data		0.6956	mg	
			Supplier	Epoxy Phenol Resin	Proprietary Data		1.1303	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0522	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		15.5119	mg	
Plating	0.64	mg	Supplier	Tin (Sn)	7440-31-5		0.64	mg	
Wire Bond - Au	0.27	mg	Supplier	Gold (Au)	7440-57-5		0.27	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).