© Copyri	al Composition D ght 2005. IPC, Bannoc nal and Pan-American	kburn, Illinois. A	ll rights reserved nations.	under both	This docume level parts, ti	ent is a declarat he declaration e	ion of the su	ubstances s all lowe	within the manufact r level materials for	urer listed which the i	item. Note nanufactur	: if the item is an as rer has engineering	sembly with low responsibility.	
	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					als and Mfg Information			
upplier Information														
ompany name*	Company uni	Company unique ID			Unique ID Authority				Respon	Response Date*				
nsemi									2023-00	2023-06-08				
Contact Name Title - Co			e - Contact			Phone - Contact*				Email -	Email - Contact*			
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title -			Fitle - Representative			Phone - Representative*				Email -	Email - Representative*			
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com				
Requester Item Num	Requester Item Number Mfr Iten		n Number Mfr Item Name			Effective Date	Version	n Manufacturing Site			Weight*	UOM	Unit Type	
	LV841	LV8414CS-N-TE-L-H Stepping motor d		driver		2023-06-08					7.52	mg	Each	
Ianufacturing Proccess	Information													
Terminal Plating / Gri	Terminal Plating / Grid Array Material Terminal Base		Alloy J-STD-020 MSL Rating		L Rating	Peak Process Body Temperature Mai		e Max Time at Pea	ık Tempera	ture Nur	nber of Reflow Cyc	eles		
SnAgCu CU Alloy		CU Alloy	1			260 C		С	30 seco		seconds 3			
omments														
vel 1 - maximum time at peak	temperature during	oldering is 10-3	0 seconds											
or more information regarding	g material compositio	n please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed					
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), Dibutyl 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.

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	6.41	mg	Supplier	Silicon (Si)	7440-21-3		6.41	mg	
Electrode	0.23	mg	Supplier	Copper (Cu)	7440-50-8		0.23	mg	
Protection coat	0.2	mg	Supplier	Epoxy resins	129915-35-1		0.2	mg	
Solder Ball	0.68	mg	Supplier	Silver (Ag)	7440-22-4		0.0202	mg	
			Supplier	Tin (Sn)	7440-31-5		0.6563	mg	
			Supplier	Copper (Cu)	7440-50-8		0.0035	mg	