© Coj	erial Compositio pyright 2005. IPC, Bar ational and Pan-Amer	nnockburn, Illi	nois. All rights reserved u	under both	This docume level parts, t	ent is a declarati he declaration e	on of the sub ncompasses	stances v all lower	within the manufactur level materials for w	er listed it hich the m	em. Note: if anufacturer	the item is an as has engineering	sembly with lower 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			
Supplier Information													
Company name*			Company unique ID			Unique ID Authority				Response Date*			
onsemi										2023-06-08			
Contact Name			Title - Contact			Phone - Contact*				Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Ti			Title - Representative			Phone - Representative*			Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Requester Item N	Requester Item Number Mfr Iten		n Number Mfr Item Name			Effective Date	Version	Version Manufacturing Site		V	Veight*	UOM	Unit Type
	L	V8282PV-TLN	4-H SYSTEM MOTO	SYSTEM MOTOR DRIVER		2023-06-08					50.0	mg	Each
Manufacturing Procce	ess Information												
Terminal Plating /	Terminal Plating / Grid Array Material Term		inal Base Alloy J-STD-020 MSL R		L Rating	Peak Process Body Temperatur		ure Max Time at Peak Tempera		ire Numb	er of Reflow Cyc	les	
contains Bi CU A		CU Alloy	by 3			260 C 30		30	seconds 3				
Comments													
ATTENTION: MSL 3 Rated	d item requires Bake	and Dry Pack	x (after electrical test)										
For more information regar	ding material compo	sition please r	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), Disobutyl 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 v 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 co 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	6.28	mg	Supplier	Silicon (Si)	7440-21-3		6.2568	mg
			Supplier	Polyimide	Proprietary Data		0.0232	mg
Die Attach	0.34	mg	Supplier	Silver (Ag)	7440-22-4		0.289	mg
			Supplier	Epoxy resins	129915-35-1		0.0459	mg
			Supplier	Polybutadiene polymer	Proprietary Data		0.0051	mg
Lead Frame	123.0	mg	Supplier	Zinc (Zn)	7440-66-6		0.2337	mg
			Supplier	Iron (Fe)	7439-89-6		3.1857	mg
			Supplier	Copper (Cu)	7440-50-8		119.4084	mg
			Supplier	Phosphorus (P)	7723-14-0		0.1722	mg
Mold Compound-Black	216.12	mg		Phenolic Resin	proprietary data		10.806	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		6.0514	mg
			Supplier	Carbon Black (C)	1333-86-4		2.1612	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		6.4836	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		172.896	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		17.2896	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.4322	mg
Plating	3.85	mg	В	Bismuth (Bi)	7440-69-9		0.0231	mg
			Supplier	Tin (Sn)	7440-31-5		3.8269	mg
Wire Bond - Cu	0.41	mg	Supplier	Copper (Cu)	7440-50-8		0.41	mg