© Co	terial Composit opyright 2005. IPC, 1 national and Pan-An	Bannockb	urn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a decla he declaratio	ration of on encom	f the substance npasses all lo	es with wer leve	in the manufactur el materials for w	rer listed it hich the m	em. Not anufact	te: if the urer has	item is an ass engineering re	embly with lowe esponsibility.
	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					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*			Title - Representative			Phone - Representative*				Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com						
Requester Item I	Requester Item Number Mfr Item FAN739 FAN739		Number Mfr Item Name 33MX Half bridge gate driver				Effective D	ate Ve	ersion	Manu	Manufacturing Site		Weight*	:	UOM	Unit Type
							2023-06-08 TH2			137.765 mg		mg	Each			
Manufacturing Proce	ess Information	l								•		L				
Terminal Plating	Terminal Plating / Grid Array Material		erminal Base Alloy J-S'		J-STD-020 MS	0 MSL Rating		Peak Process Body Temper		ture Max Time at Peak T		Temperat	Temperature Number of		Reflow Cycle	es
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		l) (no C	U Alloy 1		1		260		С	3	30 secon		onds 3			
Comments																
evel 1 - maximum time at j	peak temperature d	uring sol	dering is 10-3	0 seconds												
or more information rega	rding material com	position p	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), 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	0.28	mg	Supplier	Silicon (Si)	7440-21-3		0.28	mg
Die Attach	0.13	mg	Supplier	Silver (Ag)	7440-22-4		0.0943	mg
			Supplier	Phenolic Resin-2	54208-63-8		0.0357	mg
Lead Frame	68.695	mg	Supplier	Zinc (Zn)	7440-66-6		0.0893	mg
			Supplier	Iron (Fe)	7439-89-6		1.6143	mg
			Supplier	Copper (Cu)	7440-50-8		66.9364	mg
			Supplier	Phosphorus (P)	7723-14-0		0.055	mg
Mold Compound-Black	67.22	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		4.2	mg
			Supplier	Carbon Black (C)	1333-86-4		0.13	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		58.52	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		4.37	mg
Plating	1.21	mg	Supplier	Silver (Ag)	7440-22-4		0.015	mg
			Supplier	Palladium (Pd)	7440-05-3		0.034	mg
			В	Nickel (Ni)	7440-02-0		0.891	mg
			Supplier	Gold (Au)	7440-57-5		0.27	mg
Wire Bond - Au	0.23	mg	Supplier	Gold (Au)	7440-57-5		0.23	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).