ASEOCIATION CONNECTING ELECTRONICS INDUSTRIES International an	mposition De 05. IPC, Bannockt d Pan-American co	claration ourn, Illinois. A opyright conver	ll rights reserved u utions.	nder both	This docume level parts, th	ent is a declaration entities of the declaration entities	on of the substar ncompasses all le	ces within the man ower level material	ufacturer liste s for which the	d item. Note: if e manufacturer	f the item is an as has engineering	sembly with low responsibility.	
				Form Type Distribute					Materials and	rials and Mfg Information			
upplier Information													
ompany name*	Company unique ID			1	Unique ID Authority				Response Date*				
nsemi									2024-04-19				
Contact Name Title			Title - Contact			Phone - Contact*				Email - Contact*			
Product-Env-Stewards	Product Enviro Compliance				NA			Prod	Product-Env-Stewards@onsemi.com				
Authorized Representative* Title			Title - Representative			Phone - Representative*			Emai	Email - Representative*			
roduct-Env-Stewards	Product Enviro Compliance				NA			Prod	Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr Iter		n Number Mfr Item Name			·	Effective Date	Version	Manufacturing	Site	Weight*	UOM	Unit Type	
	FGH401	FGH40T120SQDNL4 IGBT 1200		00V 40A UFS for Solar/UPS		2024-04-19		СРА		6439.79	mg	Each	
Ianufacturing Proccess Info	rmation												
Terminal Plating / Grid Arra	Terminal Plating / Grid Array Material Terminal		Alloy J-STD-020 MSL F		L Rating	Peak Proce	Peak Process Body Temperature Max Time a		at Peak Tempe	erature Numb	er of Reflow Cyc	cles	
Matte Tin (Sn) - annealed		CU Alloy NA		NA		0	С	30	sec	conds 3			
omments													
or more information regarding mat	erial composition	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), 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 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 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	12.08	mg	Supplier	Silicon (Si)	7440-21-3		12.08	mg
Die Attach	6.22	mg	Supplier	Silver (Ag)	7440-22-4		1.244	mg
			Supplier	Tin (Sn)	7440-31-5		4.976	mg
Lead Frame	3982.39	mg	В	Nickel (Ni)	7440-02-0		9.5577	mg
			Supplier	Iron (Fe)	7439-89-6		5.9736	mg
			Supplier	Copper (Cu)	7440-50-8		3965.2656	mg
			Supplier	Phosphorus (P)	7723-14-0		1.593	mg
Mold Compound-Black	2403.94	mg	Supplier	Polymer(phenyl glycidil ether)-co- dicyclopentadiene	119345-05-0		120.197	mg
			Supplier	Proprietary	Proprietary Data		120.197	mg
			Supplier	Carbon Black (C)	1333-86-4		12.0197	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		108.1773	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1802.955	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		120.197	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		120.197	mg
Plating	23.4	mg	Supplier	Tin (Sn)	7440-31-5		23.4	mg
Wire Bond - Al	11.76	mg	Supplier	Aluminum (Al)	7429-90-5		11.76	mg