ASSOCIATION CONNECTING ELECTROMICS INDUSTRIES® International and Pan-American co	ourn. Illinois. All rights reserved ur	nder both This docum level parts,	nent is a declaratio the declaration en	n of the substance compasses all low	es within the manufacture er level materials for wh	er listed item. Note: if hich the manufacturer	the item is an as has engineering	sembly with lower responsibility.	
IPC Web Site for Information on I http://www.ipc.org/IPC-175x	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 Materials and Mfg Information					
Supplier Information									
Company name*		Unique ID Authority			Response Date*				
nsemi						2024-04-16			
Contact Name	Title - Contact		Phone - Contact*			Email - Contact*			
Product-Env-Stewards	ect-Env-Stewards Product Enviro Compliance		NA			Product-Env-Stewards@onsemi.com			
uthorized Representative* Title - Representative			Phone - Representative*			Email - Representative*			
Product-Env-Stewards Product Enviro Compliance			NA			Product-Env-Stewards@onsemi.com			
Requester Item Number Mfr Item	Number Mfr Item Name	Mfr Item Name		Version	Manufacturing Site	Weight*	UOM	Unit Type	
FFD10U	P20S UFR DPAK PN 10	0A 200V	2024-04-16		СРА	329.241	mg	Each	
Manufacturing Proccess Information	·		<u> </u>			· .			
Terminal Plating / Grid Array Material T	erminal Base Alloy J.	-STD-020 MSL Rating	Peak Process Body Temperature Max Time at Pea		ure Max Time at Peak	k Temperature Number of Reflow Cycles			
Matte Tin (Sn) - annealed CU Alloy 1			260	С	30	seconds 3			
Comments									
evel 1 - maximum time at peak temperature during sol	dering is 10-30 seconds								
For more information regarding material composition	please refer to page 3								

RoHS Material Composition Declaration				Declaration Type *	Detailed					
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chro	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 (DIP).								
cadmium, hexavalentchromium, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company	ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in iffies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg	nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co	e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations are at least as comprehensive as the anty rights and/or remedies provided as part of					
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted subst	ances per the definition above except for sele	ected exempt	ions Supplier Acceptance	* Accepted					
Exemption: 7a: Lead in high melting temp	erature type solders (i.e. lead based sol	der alloys containing 85% by weight or m	ore lead).							
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
Instructions: Complete all of the required Requester) and click on Submit Form to h			e drop-dowi	a. This will display the signature area. Digita	lly sign the declaration (if required by the					
Supplier Digital Signature	astislav 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	5.16	mg	Supplier	Silicon (Si)	7440-21-3		5.16	mg	
Die Attach Solder	5.026	mg	Supplier	Silver (Ag)	7440-22-4		0.1257	mg	
			А	Lead (Pb)	7439-92-1	7a	4.6491	mg	
			Supplier	Tin (Sn)	7440-31-5		0.2513	mg	
Lead Frame	167.854	mg	Supplier	Tin (Sn)	7440-31-5		0.168	mg	
			В	Nickel (Ni)	7440-02-0		0.168	mg	
			Supplier	Copper (Cu)	7440-50-8		167.518	mg	
Mold Compound-Black	149.268	mg		Epoxy resin	proprietary data		8.9561	mg	
			Supplier	Phenolic Resin	Proprietary Data		8.9561	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.7463	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		126.8778	mg	
			Supplier	Silica Crystalline (SiO2)	14808-60-7		3.7317	mg	
Plating	1.092	mg	Supplier	Tin (Sn)	7440-31-5		1.092	mg	
Wire Bond - Al	0.841	mg	Supplier	Aluminum (Al)	7429-90-5		0.841	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 signa range of distribution unless otherwise noted).