ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® Increases international and	mposition De 05. IPC, Bannockt 1 Pan-American co	claration ourn, Illinois. <i>A</i> opyright conve	All rights reserved untions.	under both	This docume level parts, th	ent is a declaration he declaration er	on of the substan	ces within the man ower level materia	nufacturer liste ls for which th	ed item. Note: if e manufacturer	the item is an as has engineering	ssembly with low responsibility.	
	1 IPC Web Site for Information on IPC-1752 Standard Form Typ			Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				Materials and	als and Mfg Information			
upplier Information													
Company name*			Company unique ID			Unique ID Authority				Response Date*			
onsemi										2024-05-22			
Contact Name Title - Contact			ct	Pho		Phone - Contac	one - Contact*			Email - Contact*			
Product-Env-Stewards Pr			Product Enviro Compliance			NA			Prod	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - R			tle - Representative			Phone - Representative*			Emai	Email - Representative*			
Product-Env-Stewards P			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	
	NTHL04	NTHL040N65S3F SUPERFET3		650V TO247		2024-05-22		CP8		5456.925	mg	Each	
Ianufacturing Proccess Infor	mation					-	-						
Terminal Plating / Grid Arra	Terminal Plating / Grid Array Material Terminal Base A		Alloy	J-STD-020 MSL Rating		Peak Process Body Temperature		ature Max Time	at Peak Tempe	erature Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed C		CU Alloy NA			0 C 30		see	seconds 3					
omments													
or more information regarding mate	rial 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, 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	32.0	mg	Supplier	Silicon (Si)	7440-21-3		32	mg	
Die Attach Solder	35.025	mg	Supplier	Silver (Ag)	7440-22-4		0.8756	mg	
			А	Lead (Pb)	7439-92-1	7a	32.3981	mg	
			Supplier	Tin (Sn)	7440-31-5		1.7512	mg	
Lead Frame	3612.9	mg	Supplier	Iron (Fe)	7439-89-6		3.6129	mg	
			Supplier	Copper (Cu)	7440-50-8		3608.2031	mg	
			Supplier	Phosphorus (P)	7723-14-0		1.0839	mg	
Mold Compound-Black	1740.0	mg		Epoxy resin	proprietary data		200.1	mg	
			Supplier	Phenolic resins	Proprietary Data		147.9	mg	
			В	Antimony Trioxide (Sb2O3)	1309-64-4		43.5	mg	
			Supplier	Carbon Black (C)	1333-86-4		5.22	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		1343.2799	mg	
Plating	31.0	mg	Supplier	Tin (Sn)	7440-31-5		31	mg	
Wire Bond - Al	6.0	mg	Supplier	Aluminum (Al)	7429-90-5		6	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).