ABBOCIATION CONNECTING ELECTRONICS INDUSTRIES	kburn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declar he declaratio	ration of th n encompa	e substances sses all lowe	within the manufa er level materials fo	cturer listed r which the	item. No manufac	ote: if the turer has	item is an ass engineering r	embly with lower esponsibility.	
1752-21.1 IPC Web Site for Information o 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 Material					ls and Mfg Information				
Supplier Information														
ompany name* Company unique ID				Unique ID Authority					Respo	Response Date*				
onsemi	Isemi				2023-06-08									
Contact Name	ntact Name Title - Contact				Phone - Contact*				Email	Email - Contact*				
Product-Env-Stewards Product Enviro Compliance					NA				Produ	Product-Env-Stewards@onsemi.com				
uthorized Representative* Title - Representative				]	Phone - Representative*				Email	Email - Representative*				
Product-Env-Stewards	ro Compliance	Compliance			NA				Product-Env-Stewards@onsemi.com					
Requester Item Number Mfr It	m Number	Mfr Item Name			Effective Da	ate Versi	on	Manufacturing Site		Weight	*	UOM	Unit Type	
N57M	7M5114WD50TG DPP, NV 32 TAF		PS, U/D		2023-06-08			TH5		77.46		mg	Each	
Manufacturing Proccess Information						1							-	
Terminal Plating / Grid Array Material	Ferminal Base Alloy		J-STD-020 MS	L Rating	Peak Pr	Peak Process Body Temperatu		ure Max Time at Peak Temper		ature N	ture Number of Reflow Cycles		es	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			1		260		С	30		econds 3				
Comments							·			<u> </u>				
evel 1 - maximum time at peak temperature during	oldering is 10-3	0 seconds												
for more information regarding material composition	n 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 y 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.

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

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	2.65	mg	Supplier	Silicon (Si)	7440-21-3		2.65	mg
Die Attach	0.21	mg	Supplier	Silver (Ag)	7440-22-4		0.1575	mg
			Supplier	Epoxy resins	129915-35-1		0.0525	mg
Lead Frame	27.35	mg	Supplier	Zinc (Zn)	7440-66-6		0.0274	mg
			Supplier	Iron (Fe)	7439-89-6		0.6291	mg
			Supplier	Copper (Cu)	7440-50-8		26.6663	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0274	mg
Mold Compound-Black	46.76	mg		Epoxy resin	proprietary data		2.338	mg
			Supplier	Phenolic Resin	Proprietary Data		2.338	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.9352	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2338	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		40.915	mg
Plating	0.34	mg	Supplier	Palladium (Pd)	7440-05-3		0.0211	mg
			В	Nickel (Ni)	7440-02-0		0.3152	mg
			Supplier	Gold (Au)	7440-57-5		0.0036	mg
Vire Bond - Au	0.15	mg	Supplier	Gold (Au)	7440-57-5		0.15	mg