© Copyright 2005. I	© Convright 2005 TPC Bannockburn Illinois All rights reserved under both				This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
	IPC Web Site for Information on IPC-1752 Standard Form http://www.ipc.org/IPC-175x Distril				 Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials 				als and Mfg	s and Mfg Information				
Supplier Information														
Company name* Co			Company unique ID			Unique ID Authority				Response Date*				
onsemi											2024-05-02			
Contact Name Title - Contact			ct	Phone - Contact*				Email - Contact*						
Product-Env-Stewards Product H			duct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Re			e - Representative			Phone - Representative*			Email - Representative*					
Product-Env-Stewards Pr			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	Requester Item Number Mfr Iten		n Number Mfr Item Name			Effective Date	Version	Manufa	Manufacturing Site		eight*	UOM	Unit Type	
	HBL500	HBL5006P2T5G Shunt H		hunt HBLED Protection		2024-05-02		CN1		0.	442	mg	Each	
Manufacturing Proccess Informa	tion													
Terminal Plating / Grid Array Ma	minal Plating / Grid Array Material Terminal Base A		Alloy	J-STD-020 MSI	L Rating	Peak Proce	ss Body Tem	perature Max	Time at Peak	Temperatu	re Numb	er of Reflow Cyc	eles	
Matte Tin (Sn) - annealed CU Alloy			1		260	С	30		second	3				
Comments														
level 1 - maximum time at peak temperatu	re during so	dering is 10-3	0 seconds											
or 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	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 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	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

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	0.03	mg	Supplier	Silicon (Si)	7440-21-3		0.03	mg	
Lead Frame	0.21	mg	Supplier	Silver (Ag)	7440-22-4		0.0374	mg	
			В	Nickel (Ni)	7440-02-0		0.0649	mg	
			Supplier	Iron (Fe)	7439-89-6		0.0897	mg	
			Supplier	Copper (Cu)	7440-50-8		0.0181	mg	
Mold Compound-Black	0.19	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.019	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0009	mg	
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.0275	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		0.1235	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.019	mg	
Plating	0.01	mg	Supplier	Tin (Sn)	7440-31-5		0.01	mg	
Wire Bond - Au	0.002	mg	Supplier	Gold (Au)	7440-57-5		0.002	mg	