ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Pan	C. Bannockb	ourn. Illinois. A	ll rights reserved un ntions.	nder both	This docum level parts, t	ent is a declaration entite decl	on of the subs acompasses a	stances with 11 lower leve	in the manufacture el materials for wh	er listed i hich the n	tem. Note: i nanufacturer	f the item is an as r has engineering	sembly with lower responsibility.
				Form Type Distribute					uls and Mfg Information				
Supplier Information													
Company name* Company			ny unique ID			Unique ID Authority				Response Date*			
On Semiconductor										2021-02-04			
Contact Name Title - Contact			ict			Phone - Contact*				Email - Contact*			
Product-Env-Stewards Product			roduct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - R			tle - 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			Effective Date	Version	Manu	Manufacturing Site		Weight*	UOM	Unit Type
	NTR417	NTR4170NT1G NFET SOT23 30V		V 4A 55MO TR	R	2021-02-04	021-02-04 CN1			:	8.13	mg	Each
Manufacturing Proccess Informat	ion												
Terminal Plating / Grid Array Ma	ng / Grid Array Material Terminal Base		Alloy J	J-STD-020 MSL Rating		Peak Process Body Temperature Max Time at Peak		Temperature Number of Reflow Cycles					
Matte Tin (Sn) - annealed CU Alloy		1	l		260	С	3	0	secon	ds 3			
Comments													
evel 1 - maximum time at peak temperatu	re during sol	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), Dibutyl 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	ess of the applicable quantity limit identified about the may apply. If the part is an assembly with low is accuracy and that such information is true and ce of its products with European Union member we independently verified such information. How	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 contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.											
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	0.16	mg	Supplier	Silicon (Si)	7440-21-3		0.16	mg	
Lead Frame	2.92	mg	Supplier	Silver (Ag)	7440-22-4		0.5198	mg	
			В	Nickel (Ni)	7440-02-0		0.9023	mg	
			Supplier	Iron (Fe)	7439-89-6		1.2468	mg	
			Supplier	Copper (Cu)	7440-50-8		0.2511	mg	
Mold Compound-Black	4.9	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.49	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0245	mg	
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.7105	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		3.185	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.49	mg	
Plating	0.14	mg	Supplier	Tin (Sn)	7440-31-5		0.14	mg	
Wire Bond - Cu	0.01	mg	Supplier	Copper (Cu)	7440-50-8		0.01	mg	