ADDROVATION OCCUMENTS	© Co	terial Compo pyright 2005. IPC, Bannoo nternational and Pan-Amer	kburn, Illinois	s. All rights reserv	tion with lowe	r level p	oarts, the	declaratio	n encompa	asses all lo		terials fo	r which t	e item is an assembly ne manufacturer has declaration.	
1752-2 1.1		Web Site for Informate.//www.ipc.org/IPC-1		C-1752 Standa	ard		Form Type * Declaration Class * Distribute Class 6 - RoHS Yes/No, Homogeneous Material					s and Mfg Informa			
Supplier Information															
Company Name *		Company Unique ID		Unique ID Au	uthority	Respo	onse Date	e *	Re	Response Document ID					
Anaren Microwave							2020-05-12								
Contact Name * Title - Contact				Phone - Cor	Email - Contact *						1				
Sarvesh Nair Project Engineer				315-233-551	Sarvesh.Nair@ttm.com			1							
Authorized Representative * Title - Representative			е	Phone - Representative *		Email	Email - Representative *			Supplier Comments or URL for Additional Information					
Sarvesh Nair		Project Engineer		315-233-5510		Sarvesh.Nair@ttm.com			1						
Requester Item Number	r	Mfr Item Number		Mfr Item Name		Effective Date		Version	Manufactu	ring Site	Weight *	U	ОМ	Unit Type	
		A150N50X4C		150W CHIP	TERMINATION .	2020-0	05-12	С			0.182832			Each	
Alternate Recommenda	ation							Alternate	ate Item Comments		·	<u> </u>			
Manufacturing Proces	ss In	formation		'											
Terminal Plating / Grid Array Material Terminal E				ase Alloy J-STD-020 MSL R		ating	ating Peak Process Body Tempe		Temperatu	erature Max Time at Peak Tem		nperature	perature Number of Reflow Cycles		
Matte Tin (Sn) - with Nickel (Ni) barrier Other				1		260		260 C		30 s	30 seconds 3				
Comments			1		1		1						1		
Compliant to RoHS 2 Dir	ectiv	e 2011/65/EU of the	Europear	n Parliament	and of the Coun	cil of 8	June 201	1 & Com	mission	Delegated	Directive 20)15/863/	EU of 31	March 2015.	

Save the fields in his form to a file	Evport Data	mport fields from a file into this form	Import Data				Locked	
RoHS Material Comp	position Declaration					Declaration Type *	Custom	
				material for: Lead (Pb), 00 PPM) of homogeneous		alent Chromium, Polybron Cadmium	ninated Biphenyls (PE	BB),
DHS 2 (Directive 2011/65/EU & 2 DIBP).	2015/863/EU) Definition Addendo	um: Quantity limit of 0.1% by ma	iss (1000 PPM) in homogeneous	material for: Bis(2-ethylhexyl) phtl	nalate (DEHP), Butyl	benzyl phthalate (BBP), Dibutyl phth	nalate (DBP), Diisobutyl phtha	alate
ate that Supplier completes this for supplier may have relied on inform supplier agrees that, at a minimun ritten agreement with respect to the	form. Supplier acknowledges that mation provided by others in comm, its suppliers have provided cer	at Company will rely on this certing this form, and that Supple trifications regarding their contribe conditions of that agreement, inc	fication in determining the compli- ier may not have independently v outions to the part, and those cert	ance of its products with European verified such information. Howeve difications are at least as comprehe	n Union member state r, in situations where ensive as the certifica	on is true and correct to the best of its laws that implement the RoHS Direct Supplier has not independently verition in this paragraph. If the Compathe sole and exclusive source of the	ective. Company acknowledge fied information provided by c any and the Supplier enter into	ges that others, to a
RoHS Declaration * 1 -	Item(s) does not contain RoHS	S restricted substances per the	e definition above			Supplier Acceptance * Ac	cepted	
xemptions: If the declare bove and choose all applic		oHS restricted substance	s per the definition above	except for defined RoHS e	xemptions, then s	select the corresponding resp	oonse in the RoHS Dec	laration

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	

Homogeneous Material Composition Declaration for Electronic Products

Subltem 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).

Line Functions: +I Inserts a New Item /SubItem +M Inserts a new Material +C Inserts a new Substance Category +S Inserts a new Substance - Deletes the element line

Item/SubItem	Homogeneous	Weight	Unit of	Level	Substance Category		Substance	CAS	Exempt	Weight	Unit of	Tolerance		PPM
Name	Material	weight	Measure	Levei	Substance Category		Substance	CAS			Measure	-	+	FFIVI
A150N50X4C	Conductor	0.00388	2 g	Supplier	Cobalt (Co)		Cobalt (Co)	7440-48-4		0.000734	g			189,23
				Supplier	Silver (Ag)		Silver (Ag)	7440-22-4		0.002907	g			749,03
				Supplier	Titanium (Ti)		Titanium (Ti)	7440-32-6		0.000239	g			61,733
	Plating	0.00489	3 g	Supplier	Tin (Sn)		Tin (Sn)	7440-31-5		0.002825	g			577,53
				В	Nickel (external applic		Nickel	7440-02-0		0.002067	g			422,46
	Dielectric	0.17365	g	Supplier	Molybdenum (Mo)		Molybdenum (Mo)	7439-98-7		0.000915	g			5,273
				Supplier	Aluminum Nitride (Al		Aluminum Nitride (AIN)	24304-00-5		0.000915	g			932,75
				Supplier	Aluminum Oxide (Al2		Aluminum Oxide (Al2O3	1344-28-1		0.161977	g			753
				Supplier	Boron Oxide (BO)		Boron Oxide (BO)	1303-86-2		0.000294	g			1,693
				Supplier	Chromium(III) oxide (Chromium(III) oxide (Cr	1308-38-9		0.000015	g			89
				Supplier	Magnesium oxide (Mg	I	Magnesium oxide (MgO	1309-48-4		0.000057	g			332
				Supplier	Ruthenium(IV) dioxid		Ruthenium(IV) dioxide (12036-10-1		0.000207	g			1,196
				Supplier	Silicon dioxide (SiO2		Silicon dioxide (SiO2)	14808-60-7		0.000093	g			537
				Supplier	Titanium dioxide (TiO		Titanium dioxide (TiO2)	13463-67-7		0.000000	mg			0
				Supplier	Yttrium (III) oxide (Y2		Yttrium (III) oxide (Y2O3	1314-36-9		0.008525	g			49,092
				Supplier	Zinc oxide (ZnO)		Zinc oxide (ZnO)	1314-13-2		0.000751	g			4,327
				Supplier	Proprietary Metal Con	า	Proprietary Metal Comp	Proprietary		0.000228	g			1,318
				Supplier	Proprietary Blue Pigm	1	Proprietary Blue Pigme	Proprietary		0.000457	g			2,636