	•	rn, Illinois. All rights reserved unde copyright conventions.	with lower level	parts, the	declaration	n encompass	es all low	er level mate	rials for whic	if the item is an assembly th the manufacturer has nis declaration.	
1/32-2 1.1	PC Web Site for Information http://www.ipc.org/IPC-175			m Type * tribute	-	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informa					
Supplier Information											
Company Name * Anaren Microwave	Company Unique ID	Unique ID Authority	-	onse Date -03-30	<b>)</b> *	Resp	onse Doc	ument ID			
Contact Name *Title - ContactHerbert JonesProject Engineer		Phone - Contact * 315-233-5510		Email - Contact * Herbert.Jones@ttm.com			Duplicate Contact -> Authorized Representative				
Authorized Representativ Herbert Jones	e * Title - Representative Project Engineer	Phone - Represen 315-233-5510		Email - Representative * Herbert.Jones@ttm.com			Supplier Comments or URL for Additional Information				
Requester Item Number	Mfr Item Number	Mfr Item Name	Effect	Effective Date Versi		Manufacturin	g Site	Weight *	UOM	Unit Type	
	A100N50X4A	Termination	2022-	022-03-30 A East S		East Syracu	Syracuse 0.		g	Each	
Alternate Recommendat	ion			Alternate Item C		Item Commer	its				
Manufacturing Process	s Information										
Terminal Plating / Grid Array M Matte Tin (Sn) - with Nick Comments	rminal Base Alloy J-STD ilver (Ag) 1	0-020 MSL Rating	SL Rating Peak Process Body Temp 260			Max Time		conds 3	ber of Reflow Cycles		
Compliant to RoHS 2 Dire	ctive 2011/65/EU of the Eu	ropean Parliament and of	f the Council of 8	June 201	1 and Co	mmission I	Delegated	d Directive 2	015/863/EU	of 31 March 2015.	

Save the fields in this form to a file	Export Data	Import fields from a file into this form	Import Data	Clear all of the fields on this form	Reset Form	Lock the fields on this form to prevent chang	Look Cumpling Fields			
<b>RoHS Material Co</b>	mposition Declarati	on				Declaration Type *	Custom			
<b>RoHS Directive</b> <b>2002/95/EC RoHS Definition:</b> Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium										
(DIBP). Supplier certifies that the date that Supplier complet that Supplier may have relied others, Supplier agrees that, a a written agreement with resp	it gathered the information it pro tes this form. Supplier acknowler on information provided by othe at a minimum, its suppliers have ect to the identified part, the tern	vides in this form concerning RoH dges that Company will rely on this rs in completing this form, and that	S restrictive substances using s certification in determining th t Supplier may not have indep heir contributions to the part, a nt, including any warranty righ	appropriate methods to ensu- ne compliance of its products rendently verified such inform and those certifications are at	re its accuracy and that such inf with European Union member st ation. However, in situations whe least as comprehensive as the c	formation is true and correct to the tate laws that implement the RoHS ere Supplier has not independentl certification in this paragraph. If th	e Company and the Supplier enter into			
RoHS Declaration *	1 - Item(s) does not contain F	RoHS restricted substances per t	the definition above			Supplier Acceptance * A	ccepted			
Exemptions: 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.										
Declaration Signature										
		ields on all pages of this and click on Submit Forn				wn. This will display the	signature area. Digitally sign			
Supplier Digital Signa	iture									

## 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		Toler	ance	PPM
	Name		Material	Tongin	Measure				cubetanee cutegory		r		0,10	Exempt	lineight	Measure	-	+	
+  -	A100N50X4A Rev A	+M -M	Substrate	0.12187	6g	+C	-C	Supplier	Yttrium (III) oxide (Y2	+S	-S	Yttrium (III) oxide (Y2O3	1314-36-9		0.006093	g			50,000
						+C	-C	Supplier	Aluminum Nitride (AL	+S	-S	Aluminum Nitride (ALN	24304-00-5		0.115782	g			950,00
		+м-м	Thick Film Resis	0.00070	8g	+C	-C	Supplier	Ruthenium(IV) dioxid	+S	-S	Ruthenium(IV) dioxide (	12036-10-1		0.000349	g			493,60
						+C	-C	Supplier	Boron Oxide (BO)	+S	-s	Boron Oxide (BO)	1303-86-2		0.000095	g			134,60
						+C	-C	Supplier	Magnesium Oxide (M	+S	-s	Magnesium Oxide (MgC	1309-48-4		0.000068	g			96,200
						+C	-C	Supplier	Zinc oxide (ZnO)	+S	-s	Zinc oxide (ZnO)	1314-13-2		0.000063	g			89,700
						+C	-C	Supplier	Aluminum Oxide (Al2	+S	-s	Aluminum Oxide (Al2O3	1344-28-1		0.000095	g			134,60
						+C	-C	Supplier	Silicon Dioxide (SiO2	+S	-s	Silicon Dioxide (SiO2)	14808-60-7		0.000036	g			51,300
		+М-М	Conductor	0.00210	7g	+C	-C	Supplier	Silver (Ag)	+S	-s	Silver (Ag)	7440-22-4		0.001918	g			910,00
						+C	-C	Supplier	Titanium (Ti)	+S	-s	Titanium (Ti)	7440-32-6		0.000158	g			75,000
						+C	-C	Supplier	Cobalt (Co)	+S	-s	Cobalt (Co)	7440-48-4		0.000031	g			15,000
		+м-м	Protective Glaze	0.00226	<b>8</b> g	+C	-C	Supplier	Boron Oxide (BO)	+S	-s	Boron Oxide (BO)	1303-86-2		0.000200	g			88,296
			L	1		+C	-C	Supplier	Chromium(III) oxide (	+S	-s	Chromium(III) oxide (Cr	1308-38-9		0.000013	g			5,851
						+C	-C	Supplier	Zinc oxide (ZnO)	+S	-s	Zinc oxide (ZnO)	1314-13-2		0.000600	g			264,88
						+C	-C	Supplier	Aluminum Oxide (Al2	+S	-s	Aluminum Oxide (Al2O3	1344-28-1		0.000060	g			26,493
						+C	-C	Supplier	Silicon Dioxide (SiO2	+S	-s	Silicon Dioxide (SiO2)	14808-60-7		0.000060	g			26,493
						+C	-C	Supplier	Molybdenum (Mo)	+S	-s	Molybdenum (Mo)	7439-98-7		0.000533	g			235,19
						+C	-C	Supplier	Cobalt (Co)	+S	-s	Cobalt (Co)	7440-48-4		0.000400	g			176,39
						+C	-C	Supplier	*Proprietary Blue Pig	+S	-s	*Proprietary Blue Pigme	Proprietary		0.000266	g			117,59
						+C	-C	Supplier	*Proprietary Metal Co	+S	-S	*Proprietary Metal Com	Proprietary		0.000133	g			58,798
		+M -M	Part Marking Ink	0.00009	4g	+C	-C	Supplier	Titanium dioxide (TiO	+S	-s	Titanium dioxide (TiO2)	13463-67-7		0.000080	g			857,10
						+C	-C	Supplier	Silica amorphous (Si	+S	-s	Silica amorphous (SiO2	7631-86-9		0.000013	g			142,90
		+M -M	Nickel Plating	0.00153	<b>9</b> g	+C	-C	В	Nickel (Ni)	+S	-S	Nickel (Ni)	7440-02-0		0.001539	g			1,000,0

+M -M Tin Plating	0.00048 <b>0</b> g	+C -C Supplier	Tin (Sn)	+S -S Tin (Sn)	7440-31-5	0.000480g	999,	92
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