00	aterial Compo Copyright 2005. IPC, Bannoc n international and Pan-Ameri	kburn, Illinois	. All rights reserv	tion with lower	level p	oarts, the	declaratio	n encom	passes all lo		terials for	which th	e item is an assembly ne manufacturer has leclaration.	
1/32-2 1.1	C Web Site for Informat p://www.ipc.org/IPC-1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				claration Class * ss 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat								
Supplier Information														
Company Name *	Unique ID Authority			Response Date *			Response Document ID							
Anaren Microwave				-	2020-05-07				-					
Contact Name * Title - Contact			Phone - Contact *			Email - Contact *								
Sarvesh Nair	Project Engineer		315-233-5510			Sarvesh.Nair@ttm.com								
Authorized Representative	* Title - Representative	Э	Phone - Representative *			Email - Representative *			Supplier Comments or URL for Additional Information					
Sarvesh Nair	Project Engineer		315-233-5510		Sarvesh.Nair@ttm.com			n						
Requester Item Number	Mfr Item Number		Mfr Item Name	Effectiv	ve Date	Version Manu		turing Site	Weight *	U	DM	Unit Type		
	D10AA30Z4		Surface Mour	2020-0	05-07	E	East Sy	racuse	0.033360)47 g		Each		
Alternate Recommendation	Alternate Recommendation						Alternate	Item Con	nments					
Manufacturing Process	nformation													
Terminal Plating / Grid Array Mat	erial	Terminal B	ase Alloy	J-STD-020 MSL Ra	ting	Peak Proc	ess Body	Tempera	ture Max Tir	ne at Peak Ten	nperature	Number	of Reflow Cycles	
Matte Tin (Sn) - with Nickel (Ni) barrier Other					260 (30 second		econds	3			
Comments Compliant to RoHS 2 Direct	ive 2011/65/ELL of the	Europear	Parliament	and of the Counc	il of 8	luno 201	1 & Com	mission	Delegated	Directive 20	15/863/	=11 of 31	March 2015	

Save the fields in this form to a fileExport DataImport fields from a file into this formImport Data		Locked										
RoHS Material Composition Declaration Declaration Declaration Type * Detailed												
RoHS Directive 2002/95/ECRoHS Definition: 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												
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2002/95/EC and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance" in excess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier shave provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and												
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted substances per the definition above except for selected exemptions	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.												
Exemption List Version EL-2006/690/EC												
7c. Lead in electronic ceramic parts (e.g. piezoelectronic devices).												
Declaration Signature												
Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-or the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.	lown. This will display the	signature area. Digitally sign										

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 Name		Homogeneous	Weight	Unit of		Level	Substance Category		Substance	CAS	Exempt	Weight	Unit of	Tolerance		PPM
			Material		Measure					Substance	CAS			Measure	-	+	FFIVI
	D10AA30Z4		Substrate	0.031532	2g		Supplier	Substrate		Aluminum Oxide (Al2O3	1344-28-1		0.030271	g		1	960,00
							Supplier	Substrate		Proprietary/Unknown	Proprietary		0.001261	g			40,000
			Conductor	0.00055	g		Supplier	Conductor		Silver (Ag)	7440-22-4		0.000444	g		;	800,00
							Supplier	Conductor		Lead Containing Glass	65997-18-4		0.000111	g			200,00
			Thick Film Resis	0.00017:	g		Supplier	Thick Film Resistor		Silver (Ag)	7440-22-4		0.000015	g		,	90,352
							Supplier	Thick Film Resistor		Ruthenium(IV) dioxide (12036-10-1		0.000025	g			143,93
							Supplier	Thick Film Resistor		Palladium (Pd)	7440-05-3		0.000005	g			32,624
							Supplier	Thick Film Resistor		Lead Containing Glass	65997-18-4		0.000127	g			733,08
			Protective Glaze	0.000257	g		Supplier	Protective Glaze		Proprietary/Unknown	Proprietary		0.000006	g			26,000
							Supplier	Protective Glaze		Chromium(III) oxide (Cr	1308-38-9		0.000003	g			14,700
							Supplier	Protective Glaze		Lead Containing Glass	65997-18-4		0.000247	g		'	959,30
			Protective Polym	0.000462	2g		Supplier	Protective Polymer		*Proprietary Metal Com	Proprietary		0.000046	g			100,00
							Supplier	Protective Polymer		*Proprietary Blue Pigme	Proprietary		0.000092	g			200,00
							Supplier	Protective Polymer		Cobalt (Co)	7440-48-4		0.000138	g			300,00
							Supplier	Protective Polymer		Molybdenum (Mo)	7439-98-7		0.000185	g			400,00
			Part Marking Ink	0.00000	g		Supplier	Part Marking Ink		Titanium dioxide (TiO2)	13463-67-7		0.000003	g		;	857,10
							Supplier	Part Marking Ink		Silica amorphous (SiO2	7631-86-9		0.000000	g			142,90
			Nickel Plating	0.000264	g		A	Lead/Lead Compound		Lead	7439-92-1		0.000000	g			499.75
						-	в	Nickel (external applic		Nickel	7440-02-0		0.000264	g			999,50
			Tin Plating	0.000110	g		Supplier	Tin Plating		Tin (Sn)	7440-31-5		0.000110	g		-	1,000,0