	Scopyright 2005. IPC, Bannoc oth international and Pan-Ameri	kburn, Illinois	. All rights reserv	tion with lower	level p	oarts, the	declaratio	n encon	npasses al	II lower I	level mater	rials for	which t	e item is an assembly he manufacturer has declaration.	
/JZ-Z .	PC Web Site for Informat ttp://www.ipc.org/IPC-1		-1752 Standa	rd	Form Type * Distribute				laration Class * ss 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informa						
Supplier Information															
Company Name *	Company Unique ID		Unique ID Au	Ithority	Respo	onse Date) *		Response	Docum	ent ID				
Anaren Microwave					2020-0	05-06									
Contact Name * Title - Contact			Phone - Contact *			Email - Contact *									
Herbert Jones	Herbert Jones Project Engineer			315-233-5510 H			herbert.jones@ttm.com			Duplicate Contact -> Authorized Representative					
Authorized Representative	e * Title - Representativ	е	Phone - Rep	Phone - Representative * Email - Repr				nail - Representative * Supplier Co			ts or URL	for Add	litional l	nformation	
Herbert Jones	Project Engineer		315-233-551	0	herbe	rt.jones@	ettm.con	n							
Requester Item Number	Mfr Item Number		Mfr Item Name			Effective Date Version Manu			acturing Site Weight		Weight *	UC	M	Unit Type	
	C20N50Z4B		Surface Mour	2020-0	2020-05-06 A Suzho			u, China 0.01467		g		Each			
Alternate Recommendati	on						Alternate	Item Co	mments					•	
Manufacturing Process	Information		·		•										
Terminal Plating / Grid Array M	aterial	Terminal B	ase Alloy	J-STD-020 MSL Ra	ting	Peak Proc	ess Body	Tempera	ature Max	Time at I	Peak Temp	erature	Number	of Reflow Cycles	
Matte Tin (Sn) - with Nickel (Ni) barrier Other				1	260 C			260 C		30 secon		conds	3		
Comments		1		1		1						I			
Compliant to RoHS 2 Dire	ctive 2011/65/EU of the	Europear	n Parliament a	and of the Counc	il of 8	June 201	1 & Com	missio	n Delega	ted Dire	ctive 201	5/863/E	U 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 changes	Lock Supplier Fields				
RoHS Material Con	mposition Declarat	ion				Declaration Type *	Custom				
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 (1000 PPM) of homogeneous material for Cadmium											
RoHS 2 (Directive 2011/65/EU (DIBP).	& 2015/863/EU) Definition Add	dendum: Quantity limit of 0.1% by ma	ass (1000 PPM) in homog	eneous material for: Bis(2-ethy	ihexyl) phthalate (DEHP), Butyl	benzyl phthalate (BBP), Dibutyl phthala	ate (DBP), Diisobutyl phthalate				
date that Supplier completes the Supplier may have relied on in Supplier agrees that, at a mining	his form. Supplier acknowledge formation provided by others in mum, its suppliers have provide t to the identified part, the terms	es that Company will rely on this cert completing this form, and that Supp ed certifications regarding their contri and conditions of that agreement, ir	ification in determining the lier may not have indepen ibutions to the part, and th	e compliance of its products wit dently verified such information ose certifications are at least a	h European Union member stat n. However, in situations where s comprehensive as the certifica	ion is true and correct to the best of its k te laws that implement the RoHS Directi e Supplier has not independently verified ation in this paragraph. If the Company the sole and exclusive source of the Sup	ve. Company acknowledges that I information provided by others, and the Supplier enter into a				
RoHS Declaration *	1 - Item(s) does not contain	RoHS restricted substances per th	e definition above			Supplier Acceptance * Acce	pted				
Exemptions: If the declar above and choose all app		in RoHS restricted substance	es per the definition a	above except for defined	RoHS exemptions, then	select the corresponding respor	nse in the RoHS Declaration				
Declaration Signa	ture										
-	-	ields on all pages of this f and click on Submit Form				own. This will display the sig	nature area. Digitally sign				
Supplier Digital Signat	ture										

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

	ltem/Subltem Name		Homogeneous Material	Weight	Unit of Measure		Level	Substance Category			Substance	CAS	Exempt	Weight	Unit of Measure	Tolera	ance +	РРМ
+ -	C20N50Z4B	+M -M	Part Marking Ink	0.00000	ig i	+C -C	Supplier	Part Marking Ink	+S	-s	Titanium dioxide (TiO2)	13463-67-7		0.000005	g			857,10
			L	1		+C -C	Supplier	Part Marking Ink	+S	-s	Silica amorphous (SiO2	7631-86-9		0.000000	g			142,90
		+M -M	Protective Glaze	0.00056	2g	+C -C	Supplier	Protective Glaze	+S	-s	Boron Oxide (BO)	1303-86-2		0.000043	g			77,937
						+C -C	Supplier	Protective Glaze	+S	-S	Aluminum Oxide (Al2O3	1344-28-1		0.000013	g			23,384
						+C -C	Supplier	Protective Glaze	+S	-S	Silicon Dioxide (SiO2)	14808-60-7		0.000013	g			23,384
						+C -C	Supplier	Protective Glaze	+S	-S	*Proprietary Metal Com	Proprietary		0.000035	g			63,631
						+C -C	Supplier	Protective Glaze	+S	-S	*Proprietary Blue Pigme	Proprietary		0.000071	g			127,26
						+C -C	Supplier	Protective Glaze	+S	-S	Chromium(III) oxide (Cr	1308-38-9		0.000002	g			5,164.3
						+C -C	Supplier	Protective Glaze	+S	-S	Cobalt (Co)	7440-48-4		0.000107	g			190,89
						+C -C	Supplier	Protective Glaze	+S	-S	Molybdenum (Mo)	7439-98-7		0.000143	g			254,52
						+C -C	Supplier	Protective Glaze	+S	-S	Zinc oxide (ZnO)	1314-13-2		0.000131	g			233,81
		+M -M	Thick Film Resis	0.00012	g	+C -C	Supplier	Thick Film Resistor	+S	-S	Boron Oxide (BO)	1303-86-2		0.000016	g			134,60
						+C -C	Supplier	Thick Film Resistor	+S	-S	Magnesium Oxide (MgC	1309-48-4		0.000011	g			96,200
						+C -C	Supplier	Thick Film Resistor	+S	-S	Aluminum Oxide (Al2O3	1344-28-1		0.000016	g			134,60
						+C -C	Supplier	Thick Film Resistor	+S	-S	Silicon Dioxide (SiO2)	14808-60-7		0.00000	g			51,300
						+C -C	Supplier	Thick Film Resistor	+S	-S	Ruthenium(IV) dioxide (12036-10-1		0.000061	g			493,60
						+C -C	Supplier	Thick Film Resistor	+S	-S	Zinc oxide (ZnO)	1314-13-2		0.000011	g			89,700
		+M -M	Conductor	0.00107	g	+C -C	Supplier	Conductor	+S	-S	Silver (Ag)	7440-22-4		0.000981	g			910,00
						+C -C	Supplier	Conductor	+S	-S	Cobalt (Co)	7440-48-4		0.000016	g			15,000
						+C -C	Supplier	Conductor	+S	-S	Titanium (Ti)	7440-32-6		0.000080	g			75,000
		+M -M	Substrate	0.01257	g	+C -C	Supplier	Substrate	+S	-s	Aluminum Nitride (ALN	24304-00-5		0.011943	g			950,00
						+C -C	Supplier	Substrate	+S	-S	Yttrium (III) oxide (Y2O3	1314-36-9		0.000628	g			50,000
		+M -M	Nickel Plating	0.00024	g	+C -C	A	Lead/Lead Compound	+S	-S	Lead	7439-92-1		0.00000	g			499.75

		+С -С в	Nickel (external applic	+S -S	Nickel	7440-02-0	0.000248g	1	999,50
+M -M Tin Plating	0.000077g	+C -C Supplier	Tin Plating	+S -S	Tin (Sn)	7440-31-5	0.000077g		1,000,0