	Aterial Compo © Copyright 2005. IPC, Bannoc oth international and Pan-Ameri	kburn, Illinois	. All rights reserve	tion with low	er level	parts, the	declaratio	n encor	mpasses all le		erials 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			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informa							
Supplier Information															
Company Name *		Unique ID Authority			Response Date *			Response Document ID							
Anaren Microwave					2016-	08-23									
Contact Name * Title - Contact			Phone - Contact *			I - Contac	t *				A .1				
Sarvesh Nair		315-432-8909			sh.nair@	anaren.c	com	Duplica	ate Contact	-> Autho	orized R	epresentative			
Authorized Representative * Title - Representative			Phone - Representative *			Email - Representative *			Supplier Comments or URL for Additional Information						
Sarvesh Nair	Project Engineer		315-432-8909			sh.nair@	anaren.c	com							
Requester Item Number	Mfr Item Number	Mfr Item Number		Mfr Item Name			Version	Manufa	acturing Site	Weight *	UC	M	Unit Type		
	X3C19P2-03S		Hybrid Couple	2014-	04-16	L	East Syracuse		0.114	g		Each			
Alternate Recommendati	on					Alternat			m Comments						
Manufacturing Process	Information														
Terminal Plating / Grid Array M	aterial	Terminal Ba	ase Alloy	J-STD-020 MSL	Rating	Peak Proc	ess Body	Temper	rature Max Tir	ne at Peak Tem	perature	Number	of Reflow Cycles		
Tin (Sn) - immersion CU Alloy				1			:	260 C	;	30 seconds 3					
Comments Compliant to RoHS 2 Dire	ctive 2011/65/EU of the	European	Parliament	and of the Cou	ncil of 8	June 201	1 & Com	missic	on Delegated	I Directive 20	15/863/E	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 changes	Lock Supplier Fields
RoHS Material Con	mposition Declarat	ion				Declaration Type *	Custom
		imit of 0.1% by mass (100 hers (PBDE) and quantity l				valent Chromium, Polybromir Cadmium	nated Biphenyls (PBB),
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

	Item/SubItem		Homogeneous	Weight	Unit of			Level	Substance Category			Substance	CAS	Exempt	vveidht	Unit of Measure	Tolerance		PPM
	Name		Material	Weight	Measure			Level	oubstance oategory			oubstance					-	+	
+ -	X3C19P2-03S	+M -M	Dielectric	0.0605	g	+C	-C	Supplier		+S	-S	Polyimide (PI)	60842-76-4		0.00544	g			89,952
						+C	-C	Supplier		+S	-s	Polytetrafluoroethylene	9002-84-0		0.0356	g			587,61
						+C	-C	Supplier		+S	-s	Proprietary/Unknown	Proprietary		0.00115	g			19,014
						+C	-C	Supplier		+S	-s	Ceramic Filler	Proprietary		0.0184	g			303,42
		+M -M	Prepreg	0.0101	g	+C	-C	Supplier		+S	-S	Tetrafluoroethylene hex	25067-11-2		0.00675	g			667,83
						+C	-C	Supplier		+S	-s	Perfluoroalkoxy Copoly	26655-00-5		0.00336	g			332,16
		+M -M	Copper Cladding	0.0161	g	+C	-C	В	Arsenic/Arsenic Com	+S	-s	Arsenic	7440-38-2		0.000007	g			441
						+C	-C	Supplier		+S	-s	Chromium (Cr) (non-he	7440-47-3		0.000001	g			68
						+C	-C	Supplier		+S	-s	Copper (Cu)	7440-50-8		0.0161	g			998,81
						+C	-C	Supplier		+S	-s	Zinc (Zn)	7440-66-6		0.000010	g			677
						+C	-C	Supplier		+S	-s	Chromium (Cr) (hexava	18540-29-9		0.000000	g			1
		+M -M	Copper Plating	0.0268	g	+C	-C	Supplier		+S	-s	Copper (Cu)	7440-50-8		0.0268	g			1,000,0
		+M -M	Tin Plating	0.00011	g	+C	-C	Supplier		+S	-s	Tin (Sn)	7440-31-5		0.000113	g			1,000,0