ASSESSMENT SOUNTSOURCE	© Cop	terial Compo byright 2005. IPC, Bannocl ternational and Pan-Americ	kburn, Illinois	. All rights reserv	tion with lower	r level p	arts, the	declaration	on encom		ver level mat	erials for	which t	e item is an assembly he manufacturer has declaration.	
1/32-2 1.1		Veb Site for Informati//www.ipc.org/IPC-1	-1752 Standa	ırd	Form Type * Distribute			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information							
Supplier Information															
Company Name * ST MICROELECTRONICS	Unique ID Authority			onse Date	e *	R	esponse Document ID								
Contact Name *		Title - Contact		Phone - Contact *			Email - Contact *			Duplicate Contact -> Authorized Representative					
Authorized Representativ	Title - Representative APM MD CHAMPIOI		· ·		Email N/A	Email - Representative * N/A			upplier Comr	nents or UR	L for Add	ditional I	nformation		
Requester Item Number		Mfr Item Number		Mfr Item Name		Effectiv	e Date	Version	Manufac	turing Site	Weight *	UC	DM	Unit Type	
	LM211DT		FDO7*0211AC6		2011-06-13		А	BO2A		7,701	mg)	Each		
Alternate Recommendat	tion PACKAGE: SO 08 .15 JEDEC					Alternate Item Co			omments ECOPACK1/ROHS; BSA: CD00146670						
Manufacturing Process	s Inf	ormation													
Terminal Plating / Grid Array Material Terminal		Terminal B	ase Alloy	J-STD-020 MSL R	ating	Peak Process Body Tempe		Temperat	ture Max Time at Peak Tem		perature	perature Number of Reflow Cycles			
Nickel/Palladium/Gold (Ni/Pd/Au) Comments CU Allo		CU Alloy	<u>/</u> 1					260 C		30 seconds		3			
DISCLAIMER: While STMi	icroe	electronics has ende	eavored to	o provide info	ormation which i	s accu	rate and	up to da	te, this d	locument an	d its conter	nts are p	rovided	l on a strict "as is"	

Save the fields in this form to a file	Export Data	Import fields from a file into this form	mport 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 Co	mposition Declaratio	n				Declaration Type *	Simplified
		nit of 0.1% by mass (1000 PF ers (PBDE) and quantity limit					ated Biphenyls (PBB),
ate that Supplier completes the upplier may have relied on in upplier agrees that, at a mining ritten agreement with respect	nis form. Supplier acknowledges formation provided by others in commum, its suppliers have provided	is form concerning RoHS restrictive sub that Company will rely on this certification ompleting this form, and that Supplier modertifications regarding their contribution and conditions of that agreement, including provides in this form.	on in determining the conay not have independent on the part, and those	ompliance of its products with ently verified such information e certifications are at least as	European Union member state However, in situations where S comprehensive as the certificati	laws that implement the RoHS Directive Supplier has not independently verified on in this paragraph. If the Company	ve. Company acknowledges that Information provided by others, and the Supplier enter into a
RoHS Declaration *	1 - Item(s) does not contain Ro	HS restricted substances per the def	finition above			Supplier Acceptance * Acceptance	pted
exemptions: If the declar bove and choose all app		RoHS restricted substances pe	er the definition ab	ove except for defined	RoHS exemptions, then se	elect the corresponding respon	se in the RoHS Declaration
Declaration Signa	ture						
nstructions: Comple	ete all of the required fie	lds on all pages of this form	. Select the "Acc	cepted" on the Suppli	er Acceptance drop-dov	wn. This will display the sign	nature 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	Exempl	• WADIANT	Unit of	Tolerance		PPM
	Name		Material	Weight	Measure		Levei	Canciano Catogory			Gubstance	OAO	Lxciiipt	Weight	Measure	-	+	
+1 -1	FDO7*0211AC6	+M -M	Silicon Die	1.295	mg	+C -C	Supplier	Silicon die	+S	-s	Silicon	7440-21-3		1.294	mg			999,22
	_					+C -C	Supplier	die metallization	+S	-Ş	Aluminium(Al)	7429-90-5		0.001	mg			772
		+M -M	Leadframe	29.802	mg	+C -C	Supplier	alloy	+S	-S	Copper (Cu)	7440-50-8		29.763	mg			998,69
							-		+S	-S	Iron (Fe)	7439-89-6		0.014	mg			470
									+S	-S	Iron Phosphide (FeP)	26508-33-8		0.025	mg			839
		+M -M	Leadframe coati	0.144	mg	+C -C	Supplier	coating	+S	-S	Nickel (Ni)	7440-02-0		0.134	mg	0		930,55
							-		+S	-S	Palladium (Pd)	7440-05-3		0.005	mg			34,722
									+S	-S	Gold (Au)	7440-57-5		0.005	mg			34,722
		+M -M	Die Attach	0.288	mg	+C -C	Supplier	glue	+S	-s	Silver (Ag)	7440-22-4		0.216	mg			750,00
				•			•		+S	-s	Epoxy Cresol Novolak	29690-82-2		0.071	mg			246,52
									+S	-s	1-isopropyl-2,2-dimethy	6846-50-0		0.001	mg			3,472
		+M -M	Bonding wire	0.092	mg	+C -C	Supplier	Bonding wire	+S	-s	Gold (Au)	7440-57-5		0.092	mg			1,000,0
		+M -M	Encapsulation	45.479	mg	+C -C	Supplier	Moulding Compound	+S	-s	Epoxy Cresol Novolak	29690-82-2		4.548	mg			100,00
							-		+S	-S	phenol resin	9003-35-4		2.274	mg			50,001
									+S	-s	Carbon Black	1333-86-4		0.455	mg			10,005
									+S	-s	Silica, vitreous	60676-86-0		36.382	mg			799,97
						+C -C	Supplier	Antimony/Antimony (+S	-s	Antimony Trioxide	1309-64-4		0.91	mg			20,009
						+C -C	JIG I	Brominated Flame Re	+S	-s	Brominated epoxy resin	68928-70-1		0.91	mg			20,009