



Materials Declaration Form

IPC Form Type *	1752 Distribute	Version	2
Sectionals *	Material Info Manufacturing Info	Subsectionals *	A-D <i>* : Required Field</i>

Supplier Information			
Company Name *	STMicroelectronics	Response Date *	2018-12-20
Company Unique ID	NL 008751171B01		
Contact Name *	Refer to Supplier Comment section		Refer to Supplier Comment section
Contact Phone *	Refer to Supplier Comment section	Contact Email *	Refer to Supplier Comment section
Authorized Representative *	Giovanni Giacopello	Representative Title	ADG MD CHAMPION
Representative Phone *	Refer to Supplier Comment section	Representative Email *	Refer to Supplier Comment section
Supplier Comment	Online Technical Support - STMicroelectronics : http://www.st.com/web/en/support/support.html		

Uncertainty Statement


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Legal Statement		
Supplier Acceptance *	true	Legal Declaration *
		Standard

Legal Statement

Supplier certifies that it gathered the provided information and 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. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part(s), 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(s), 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.

Product				
Mfr Item Number	Mfr Item Name	Version	Mfr Site	Date
SOC2907AHRG	53JQ*S206TRC	A	73RO	2018-12-20
	Amount	UoM	Unit type	ST ECOPACK Grade
	33	mg	Each	Non ECOPACK®
Comment	non ROHS compliant device			

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles		 life.augmented
Not Applicable	Not Applicable	Not Applicable		
Bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
Not Applicable	Tin/Lead (Sn63Pb37)	Ceramic		

Package Designator	Size	Nbr of instances	Shape	
Mounted BOARD	3.05 - 2.54 - 1.32	4	flat	
Comment	LCC3 FP			

QueryList : RoHS Directive 2011/65/EU-July 2011 – Annex II amended by Directive 2015/863-March 2015	
Query	Response
1 - Product(s) meets EU RoHS requirement without any exemptions	FALSE
2 - Product(s) meets EU RoHS requirements except lead in solder and this usage may qualify under the lead in solder '7b' exemption (other selected exemptions may apply)	FALSE
3 - Product(s) meets EU RoHS requirements by application of the selected exemption(s)	FALSE
4 - Product(s) does not meet EU RoHS requirements and is not under exemptions	TRUE
Exemption Id.	Description

QueryList : ELV directive : 2000/53/EC amended 2017/2096 _November 2017	
Query	Response
1 - Product(s) meets EU ELV requirements without any exemptions	TRUE
2 - Product(s) meets EU RoHS requirements by application of the selected exemption(s)	FALSE
Exemption Id.	Description

QueryList : California Prop65 list, dated 25th May 2018			
Query			Response
1 - The product does not contain identified substance from California Prop 65 List, no exposure to consumers is foreseen			FALSE
2 - The product is containing below substance(s) from California Prop 65 List, no exposure to consumers is foreseen			TRUE
Substance	amount in product (mg)	Application	ppm in product
Nickel	1.98	Base - Lid	60061
Lead	0.05	External lead	1394

QueryList : REACH-15th January 2018				
Query				Response
1 - Product(s) does not contain REACH Substances Of Very High Concern above the limits per the definition within REACH				FALSE
CategoryLevel_Name	CategoryLevel_Threshold	amount in product (mg)	Application	ppm in product
Lead	1000 ppm	0.05	External lead	1394
2 - Product(s) does not contain REACH Substances Of Very High Concern in any Embedded article nor Homogeneous Material above the limits per the definition within REACH				FALSE
CategoryLevel_Name	CategoryLevel_Threshold	Amount in Embedded Article / Homogeneous Material (mg)	Application - Article / Homogeneous Material	ppm in Article /Homogeneous Material
Lead	1000 ppm	0.05	External lead	32670

Material Composition Declaration : note : Substance present with less 0.001mg will not be declared in this document						Mfr Item Name	53JQ*5206TRC						
Homogeneous Material	Material Group	Mass	UoM	Level	Substance Category	Substance	CAS	Exempt	Mass	UoM	Concentration in homogeneous material (ppm)	Concentration in product (ppm)	
Die	M-011 Other inorganic materials	0.147	mg	supplier	die	Silicon (Si)	7440-21-3		0.139	mg	945578	4212	
				supplier	metallization	Aluminium (Al)	7429-90-5		0.004	mg	27212	121	
				supplier	Passivation	Silicon Nitride	12033-89-5		0.002	mg	13605	61	
				supplier	Passivation	Silicon Oxide	7631-86-9		0.002	mg	13605	61	
				supplier	alloy	Aluminum oxide	1344-28-1		23.154	mg	870059	701636	
Base	M-010 Ceramics / glass	26.612	mg	supplier	alloy	Silicon oxide	7631-86-9		1.064	mg	39982	32242	
				supplier	alloy	Chromium oxide	1308-38-9		1.064	mg	39982	32242	
				supplier	alloy	Titanium oxide	13463-67-7		0.532	mg	19991	16121	
				supplier	alloy	Nickel (Ni)	7440-02-0		0.532	mg	19991	16121	
				supplier	metallization	Gold (Au)	7440-57-5		0.266	mg	9995	8061	
Lid	M-011 Other inorganic materials	4.784	mg	supplier	alloy	Iron (Fe)	7439-89-6		2.440	mg	510033	73939	
				supplier	alloy	Nickel (Ni)	7440-02-0		1.435	mg	299958	43485	
				supplier	alloy	Cobalt (Co)	7440-48-4		0.861	mg	179975	26091	
				supplier	alloy	Manganese (Mn)	7439-96-5		0.023	mg	4808	697	
				supplier	metallization	Nickel (Ni)	7440-02-0		0.015	mg	3136	455	
Soft solder	Solder	0.043	mg	supplier	metallization	Gold (Au)	7440-57-5		0.010	mg	2090	303	
				supplier	solder	Gold (Au)	7440-57-5		0.034	mg	790698	1030	
				supplier	solder	Tin (Sn)	7440-31-5		0.009	mg	209302	273	
Bonding wire connections coating	M-003 Aluminum and its alloys	0.006	mg	supplier	wire	Aluminium (Al)	7429-90-5		0.006	mg	1000000	182	
				supplier	solder alloy	Tin (Sn)	7440-31-5		1.362	mg	967330	41273	
				µg - R	solder alloy	Lead (Pb)	7439-92-1		0.046	mg	32670	1394	