



Materials Declaration Form


IPC	1752	Version	2
Form Type *	Distribute		
Sectionals *	Material Info Manufacturing Info	Subsectionals *	A-D

** : Required Field*

Supplier Information			
Company Name *	STMicroelectronics	Response Date *	27-08-2021
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 *	MDG MD CHAMPION	Representative Title	MDG 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	<p>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.</p>

Product				
Mfr Item Number	Mfr Item Name	Version	Mfr Site	Date
ST25R3916B-BWLT	P7J9*TT3916D	A	9989	27-08-2021
	Amount	UoM	Unit type	ST ECOPACK Grade
	12.47	mg	Each	ECOPACK® 2
	Comment	ECOPACK® 2 is STMicroelectronics trade name for ROHS compliant device without Brominated and Chlorinated compound (900ppm) and without Antimony oxide flame retardant (in each organic material)		

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles		 life.augmented
1	260	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
Tin/Silver/Copper (SAC125)	Not Applicable	Copper Alloy		

Package Designator	Size	Nbr of instances	Shape	
WLB	3.193x3.203x0.5mm	36		
Comment	Package : B078 WLCSP 36B DIE3916 P05 MM DM00473853			

QueryList : RoHS Directive 2011/65/EU-July 2011 – Annex II amended by Directive 2015/863-April 2015	
Query	Response
1 - Product(s) meets EU RoHS requirement without any exemptions	TRUE
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	FALSE
Exemption Id.	Description

QueryList : REACH-8th July 2021				
Query				Response
1 - Product(s) does not contain REACH Substances Of Very High Concern above the limits per the definition within REACH				TRUE
CategoryLevel_Name	CategoryLevel_Threshold	amount in product (mg)	Application	ppm in product

Material Composition Declaration : note : Substance present with less 0.001mg will not be declared in this document						Mfr Item Name	P7J9*TT3916D				8999999.0	1000066.1
Homogeneous Material	Material Group	Mass	UoM	Level	Substance Category	Substance	CAS	Exempt	Mass	UoM	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
Die or dies	M-011 Other inorganic materials	7.992	mg	supplier	die	Silicon (Si)	7440-21-3		7.594	mg	950200	609105
				supplier	metallization	Aluminium (Al)	7429-90-5		0.027	mg	3378	2166
				supplier	metallization	Copper (Cu)	7440-50-8		0.135	mg	16892	10828
				supplier	metallization	Cobalt (Co)	7440-48-4		0.025	mg	3128	2005
				supplier	metallization	Titanium (Ti)	7440-32-6		0.007	mg	876	561
				supplier	metallization	Tungsten (W)	7440-33-7		0.015	mg	1877	1203
				supplier	Passivation	Silicon Nitride	12033-89-5		0.018	mg	2252	1444
				supplier	Passivation	Silicon Oxide	7631-86-9		0.171	mg	21396	13716
RDL-Cu Target	M-011 Other inorganic materials	0.005	mg	Supplier	Metals	Copper	7440-50-8		0.005	mg	1000000	415
RDL-Ti Target	M-011 Other inorganic materials	0.001	mg	Supplier	Metals	Titanium	7440-32-6		0.001	mg	1000000	105
RDL-Plated Cu	M-011 Other inorganic materials	0.104	mg	Supplier	Metals	Copper	7440-50-8		0.104	mg	1000000	8311
UBM - Cu Target	M-011 Other inorganic materials	0.004	mg	Supplier	Metals	Copper	7440-50-8		0.004	mg	1000000	318
UBM - Ti Target	M-011 Other inorganic materials	0.001	mg	Supplier	Metals	Titanium	7440-32-6		0.001	mg	1000000	80
UBM - Plated Cu	M-011 Other inorganic materials	0.171	mg	Supplier	Metals	Copper	7440-50-8		0.171	mg	1000000	13690
Solder Ball SACN125 0.3mm	M-011 Other inorganic materials	3.766	mg	Supplier	Metals	Tin	7440-31-5		3.685	mg	978424	295560
				Supplier	Metals	Silver	7440-22-4		0.023	mg	6021	1819
				Supplier	Metals	Copper	7440-50-8		0.059	mg	15554	4699
Back Side Coat (LC2850)	M-011 Other inorganic materials	0.424	mg	Supplier	Plastics/polymers	Polyethylene terephthalate	25038-59-9		0.298	mg	702811	23926
				Supplier	Plastics/polymers	Silica	Proprietary		0.066	mg	155622	5298
				Supplier	Plastics/polymers	Release agent	Proprietary		0.000	mg	1004	34
				Supplier	Plastics/polymers	Acrylic ester co-polymer	Proprietary		0.028	mg	65261	2222
				Supplier	Plastics/polymers	Epoxy resin	Proprietary		0.028	mg	65261	2222
				Supplier	Plastics/polymers	Carbon black	Proprietary		0.002	mg	5020	171
				Supplier	Plastics/polymers	Additive	Proprietary		0.002	mg	5020	171

