



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 *	2020-10-13
Company Unique ID	NL 008751171B01		
Authorized Representative *	Yves HALLEZ	Representative Title	IMG Material Declaration 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 *	Legal Declaration *
true	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
VD5661AA/RW	ZT14*661KGA3	A	THEIL	2020-10-13
Amount	UoM	Unit type	ST ECOPACK Grade	
24.7	mg	Each	ECOPACK® 2	

Manufacturing information			
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles	
NAC	Not Applicable	3	
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment
NAC	Not Applicable	Not Applicable	DM00756547 / 1F143057



Package Designator	Size	Nbr of instances	Shape
Dice	7.292 x 7.058	146	FLAT
Comment	8" Reconstructed Wafer		

QueryList : RoHS Directive 2011/65/EU- 8 June 2011 – Annex II amended by Delegated Directive 2015/863 - 31 March 2015	
Query	Response
1 - Product(s) meets EU RoHS requirement without any exemptions	true

QueryList : ELV directive : 2000/53/EC amended 2020/363_ March 2020	
Query	Response
1 - Product(s) meets EU ELV requirement without any exemptions	true

QueryList : California Prop65 list, dated 3rd January 2020	
Query	Response
1 - The product does not contain identified substance from California Prop 65 List, no exposure to consumers is foreseen	true

QueryList : REACH-25th June 2020	
Query	Response
1 - Product(s) does not contain REACH Substances Of Very High Concern above the limits per the definition within REACH	true
2 - Product(s) does not contain REACH Substances Of Very High Concern in any Homogeneous Material above the limits per the definition within REACH	true

QueryList : Korea Chemical Control Act_ 27 Dec 2017 update	
Query	Response
The Product does contain at least one of the substances listed in Chemical Control Act	false

Material Composition Declaration					Mfr Item Name	ZT14*661KGA3		24.7400		1000000.0	1000000.0	
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	24.740	mg	supplier	die	Silicon(Si)	7440-21-3		23.986	mg	969522	969522
				supplier	metallisation	Aluminium(Al)	7429-90-5		0.061	mg	2466	2466
				supplier	metallisation	Copper(Cu)	7440-50-8		0.126	mg	5093	5093
				supplier	metallisation	Cobalt(Co)	7440-48-4		0.002	mg	81	81
				supplier	metallisation	Tantalum(Ta)	7440-25-7		0.062	mg	2506	2506
				supplier	metallisation	Titanium(Ti)	7440-32-6		0.029	mg	1172	1172
				supplier	metallisation	Tungsten(W)	7440-33-7		0.004	mg	162	162
				supplier	Passivation	Silicon Nitride (SiN)	12033-89-5		0.117	mg	4729	4729
				supplier	passivation	Silicon Oxide	7631-86-9		0.273	mg	11035	11035
				supplier	polymer coating	Polymer resist (color, planar,µlens)	proprietary		0.080	mg	3234	3234