



Product				
Mfr Item Number	Mfr Item Name	Version	Mfr Site	Date
STM32U535RBT6Q	745W*455XXXY	A	998Z	28-11-2023
	Amount	UoM	Unit type	ST ECOPACK Grade
	363.53	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
3	260	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
Not Applicable ; if coating is used or other bulk termination : add in comments	Tin (Sn), immersion	Copper Alloy		

Package Designator	Size	Nbr of instances	Shape	
QFP	10x10	64	L bend	
Comment	Package : 5W LQFP 64 10x10x1.4 1 0051434			

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-14th June 2023				
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	745W*45XXXX				6000000.0	1000004.0
Homogeneous Material	Material Group	Mass	UoM	Level	Substance Category	Substance	CAS	Exempt	Mass	UoM	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
Die or dies	M-011 Other inorganic materials	10.137	mg	Supplier	die	Silicon (Si)	7440-21-3		9.741	mg	960935	26796
				Supplier	metallization	Aluminium (Al)	7429-90-5		0.044	mg	4341	121
				Supplier	metallization	Copper (Cu)	7440-50-8		0.130	mg	12824	358
				Supplier	metallization	Nickel (Ni)	7440-02-0		0.001	mg	99	3
				Supplier	metallization	Tantalum (Ta)	7440-25-7		0.022	mg	2170	61
				Supplier	metallization	Titanium (Ti)	7440-32-6		0.006	mg	592	17
				Supplier	metallization	Tungsten (W)	7440-33-7		0.001	mg	99	3
				Supplier	Passivation	Silicon Nitride	12033-89-5		0.031	mg	3058	85
Glue Epoxy (3230)	M-011 Other inorganic materials	1.379	mg	Supplier	Passivation	Silicon Oxide	7631-86-9		0.161	mg	15882	443
				Supplier	Metals	Silver	7440-22-4		1.124	mg	815000	3092
				Supplier	Plastics/polymers	2,2'-(Methylenebis(phenyleneoxymethylene))	39817-09-9		0.041	mg	30000	114
				Supplier	Organic Compounds	Dihydro-3-(tetrapropenyl)furan-2,5-dione	26544-38-7		0.041	mg	30000	114
				Supplier	Organic Compounds	Epoxy resin	Proprietary		0.041	mg	30000	114
				Supplier	Organic Compounds	Dodecylloxirane	3234-28-4		0.041	mg	30000	114
				Supplier	Organic Compounds	Hexahydromethylphthalic anhydride	25550-51-0		0.041	mg	30000	114
				Supplier	Organic Compounds	Epoxy resin modifier	Proprietary		0.041	mg	30000	114
Mold Compound (EME-G631SHQ)	M-011 Other inorganic materials	245.001	mg	Supplier	Metallic compounds	Copper oxide	1317-38-0		0.007	mg	5000	19
				Supplier	Plastics/polymers	Epoxy Resin A	Trade Secret		5.145	mg	21000	14153
				Supplier	Plastics/polymers	Epoxy Resin B	Trade Secret		5.145	mg	21000	14153
				Supplier	Plastics/polymers	Phenol Resin	Trade Secret		13.720	mg	56000	37742
				Supplier	Glass	Silica(Amorphous)A	60676-86-0		191.211	mg	780450	525989
				Supplier	Glass	Silica(Amorphous)B	7631-86-9		28.254	mg	115320	77721
				Supplier	Non-metals	Carbon Black	1333-86-4		1.526	mg	6230	4199
				Supplier	Metals	Gold	7440-57-5		1.273	mg	1000000	3501
Wire (Au)	Bonding Wire	1.273	mg	Supplier	Metals	Gold	7440-57-5		1.273	mg	1000000	3501
Plating anode (Pure Tin)	M-011 Other inorganic materials	1.438	mg	Supplier	Metals	Tin	7440-31-5		1.438	mg	1000000	3955
Leadframe (C194+Ag)	Copper & its alloys	104.300	mg	Supplier	Metals	Copper	7440-50-8		101.400	mg	972200	278935
				Supplier	Metals	Iron	7439-89-6		2.388	mg	22900	6570
				Supplier	Metals	Zinc	7440-66-6		0.156	mg	1500	430
				Supplier	Non-Metals	Phosphorus	7723-14-0		0.031	mg	300	86
				Supplier	Metals	Silver	7440-22-4		0.323	mg	3100	889