

Product				
Mfr Item Number	Mfr Item Name	Version	Mfr Site	Date
STM32H503RBT7	725W*474XXXY	A	998Z	2023-11-09
	Amount	UoM	Unit type	ST ECOPACK Grade
	362.09	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-10 Jun 2022				
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	725W*474XXX				5999999.0	999998.8
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	4.648	mg	Supplier	die	Silicon (Si)	7440-21-3		4.479	mg	963640	12370
				Supplier	metallization	Aluminium (Al)	7429-90-5		0.020	mg	4303	55
				Supplier	metallization	Copper (Cu)	7440-50-8		0.063	mg	13554	174
				Supplier	metallization	Tantalum (Ta)	7440-25-7		0.010	mg	2151	28
				Supplier	metallization	Titanium (Ti)	7440-32-6		0.002	mg	430	6
				Supplier	Passivation	Silicon Oxide	7631-86-9		0.074	mg	15921	204
Glue Epoxy (3230)	M-011 Other inorganic materials	0.632	mg	Supplier	Metals	Silver (Ag)	7440-22-4		0.515	mg	815000	1423
				Supplier	Plastics/polymers	2,2'-(Methylenebis(phenyleneoxymethylene))	39817-09-9		0.019	mg	30000	52
				Supplier	Organic Compounds	Dihydro-3-(tetrapropenyl)furan-2,5-dione	26544-38-7		0.019	mg	30000	52
				Supplier	Organic Compounds	Epoxy resin	Trade Secret		0.019	mg	30000	52
				Supplier	Organic Compounds	Dodecylloxirane	3234-28-4		0.019	mg	30000	52
				Supplier	Organic Compounds	Hexahydromethylphthalic anhydride	25550-51-0		0.019	mg	30000	52
				Supplier	Organic Compounds	Epoxy resin modifier	Trade Secret		0.019	mg	30000	52
				Supplier	Metallic compounds	Copper oxide	1317-38-0		0.003	mg	5000	9
Encapsulation (EME-G631SHQ)	M-011 Other inorganic materials	250.165	mg	Supplier	Plastics/polymers	Epoxy Resin A	Trade Secret		5.253	mg	21000	14509
				Supplier	Plastics/polymers	Epoxy Resin B	Trade Secret		5.253	mg	21000	14509
				Supplier	Plastics/polymers	Phenol Resin	Trade Secret		14.009	mg	56000	38690
				Supplier	Glass	Silica(Amorphous)A	60676-86-0		195.241	mg	780450	539212
				Supplier	Glass	Silica(Amorphous)B	7631-86-9		28.849	mg	115320	79675
				Supplier	Non-metals	Carbon Black	1333-86-4		1.559	mg	6230	4304
Wire (Au)	Bonding Wire	0.902	mg	Supplier	Metals	Gold (Au)	7440-57-5		0.902	mg	1000000	2492
External Plating (Sn)	M-011 Other inorganic materials	1.438	mg	Supplier	Metals	Tin (Sn)	7440-31-5		1.438	mg	1000000	3971
Leadframe (C194+Ag)	Copper & its alloys	104.300	mg	Supplier	Metals	Copper (Cu)	7440-50-8		101.400	mg	972200	280045
				Supplier	Metals	Iron (Fe)	7439-89-6		2.388	mg	22900	6596
				Supplier	Metals	Zinc (Zn)	7440-66-6		0.156	mg	1500	432
				Supplier	Non-Metals	Phosphorus (P)	7723-14-0		0.031	mg	300	86
				Supplier	Metals	Silver (Ag)	7440-22-4		0.323	mg	3100	893