

Product				
Mfr Item Number	Mfr Item Name	Version	Mfr Site	Date
STM32U585CIT3 STM32U585CIT3TR	765B*482XXXW	A	998Z	2023-12-07
	Amount	UoM	Unit type	ST ECOPACK Grade
	179.38	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	Tin (Sn), immersion	Copper Alloy		

Package Designator	Size	Nbr of instances	Shape	
QFP	7x7	48	L bend	
Comment	Package : 5B LQFP 48 7x7x1.4 1 0110596			

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	765B*482XXXW				5999999.0	1000006.5
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	14.651	mg	supplier	die	Silicon (Si)	7440-21-3		14.080	mg	961027	78495
				supplier	metallization	Aluminium (Al)	7429-90-5		0.063	mg	4300	351
				supplier	metallization	Copper (Cu)	7440-50-8		0.188	mg	12832	1048
				supplier	metallization	Nickel (Ni)	7440-02-0		0.001	mg	68	6
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.032	mg	2184	178
				supplier	metallization	Titanium (Ti)	7440-32-6		0.008	mg	546	45
				supplier	metallization	Tungsten (W)	7440-33-7		0.001	mg	68	6
				supplier	Passivation	Silicon Nitride	12033-89-5		0.045	mg	3071	251
				supplier	Passivation	Silicon Oxide	7631-86-9		0.233	mg	15903	1299
Glue epoxy (3230)	M-011 Other inorganic materials	1.993	mg	Supplier	Metals	Silver	7440-22-4		1.625	mg	815000	9059
				Supplier	Plastics/polymers	2,2'-(Methylenebis(phenyleneoxymethylene))t	39817-09-9		0.060	mg	30000	334
				Supplier	Organic Compounds	Dihydro-3-(tetrapropenyl)furan-2,5-dione	26544-38-7		0.060	mg	30000	334
				Supplier	Organic Compounds	Epoxy resin	Proprietary		0.060	mg	30000	334
				Supplier	Organic Compounds	Dodecylloxirane	3234-28-4		0.060	mg	30000	334
				Supplier	Organic Compounds	Hexahydromethylphthalic anhydride	25550-51-0		0.060	mg	30000	334
				Supplier	Organic Compounds	Epoxy resin modifier	Proprietary		0.060	mg	30000	334
				Supplier	Metallic compounds	Copper oxide	1317-38-0		0.010	mg	5000	56
				Encapsulation (EME-G631SHQ)	M-011 Other inorganic materials	111.004	mg	Supplier	Plastics/polymers	Epoxy Resin A	Trade Secret	
Supplier	Plastics/polymers	Epoxy Resin B	Trade Secret						2.331	mg	21000	12995
Supplier	Plastics/polymers	Phenol Resin	Trade Secret						6.216	mg	56000	34654
Supplier	Glass	Silica(Amorphous)A	60676-86-0						86.633	mg	780450	482971
Supplier	Glass	Silica(Amorphous)B	7631-86-9						12.801	mg	115320	71364
Supplier	Non-metals	Carbon Black	1333-86-4						0.692	mg	6230	3858
Wire (Au)	Bonding Wire	0.643	mg	Supplier	Metals	Gold	7440-57-5		0.643	mg	1000000	3585
Plating Anode (Pure Tin)	M-011 Other inorganic materials	1.078	mg	Supplier	Metals	Tin	7440-31-5		1.078	mg	1000000	6010
Leadframe (C194+Ag)	Copper & its alloys	50.005	mg	Supplier	Metals	Copper	7440-50-8		48.617	mg	972243	271036
				Supplier	Metals	Iron (Fe)	7439-89-6		1.135	mg	22698	6328
				Supplier	Metals	Zinc (Zn)	7440-66-6		0.075	mg	1500	418
				Supplier	Non-Metals	Phosphorus (P)	7723-14-0		0.015	mg	300	84
				Supplier	Metals	Silver	7440-22-4		0.163	mg	3260	909