


Product				
Mfr Item Number	Mfr Item Name	Version	Mfr Site	Date
STM32F205REY6TR	T1N6*411XXX2	B	996S	2018-03-01
	Amount	UoM	Unit type	ST ECOPACK Grade
	20.99	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	1		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
Tin/Silver/Copper/Nickel (SACN12505)	NAC	NAC		

Package Designator	Size	Nbr of instances	Shape	
CHP	NAC	90	No lead	
Comment	Package : AOJW WLCSP 90 BALLS DIE 413 P 0.4 MM 8358811			

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-12th January 2017				
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	T1N6*411XXX2				9000000.0	1000047.0
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	14.222	mg	supplier	die	Silicon (Si)	7440-21-3		13.645	mg	959429	650071
				supplier	metallization	Aluminium (Al)	7429-90-5		0.028	mg	1969	1334
				supplier	metallization	Copper (Cu)	7440-50-8		0.244	mg	17157	11625
				supplier	metallization	Cobalt (Co)	7440-48-4		0.001	mg	70	48
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.079	mg	5555	3764
				supplier	metallization	Titanium (Ti)	7440-32-6		0.003	mg	211	143
				supplier	metallization	Tungsten (W)	7440-33-7		0.002	mg	141	95
				supplier	Passivation	Silicon Nitride	12033-89-5		0.062	mg	4359	2954
				supplier	Passivation	Silicon Oxide	7631-86-9		0.158	mg	11110	7527
				supplier								
Sputter 1	M-011 Other inorganic materials	0.017	mg	supplier	Alloy	Ti	7440-32-6		0.003	mg	176471	143
				supplier	Alloy	Cu	7440-50-8		0.014	mg	823529	667
PBO1 HD8820	M-011 Other inorganic materials	0.066	mg	supplier	Polymer	4-Butyrolactone	96-48-0		0.060	mg	902230	2835
				supplier	Polymer	1-Methoxy-2-propyl acetate	108-65-6		0.006	mg	97770	307
RDL	M-011 Other inorganic materials	0.278	mg	supplier	Alloy	Cu	7440-50-8		0.278	mg	1000000	13244
Sputter 2	M-011 Other inorganic materials	0.017	mg	supplier	Alloy	Ti	7440-32-6		0.003	mg	176471	143
				supplier	Alloy	Cu	7440-50-8		0.014	mg	823529	667
PBO2 HD8820	M-011 Other inorganic materials	0.066	mg	supplier	Polymer	4-Butyrolactone	96-48-0		0.060	mg	902230	2835
				supplier	Polymer	1-Methoxy-2-propyl acetate	108-65-6		0.006	mg	97770	307
UBM	M-011 Other inorganic materials	0.323	mg	supplier	Alloy	Cu	7440-50-8		0.323	mg	1000000	15388
Solder ball	M-011 Other inorganic materials	5.405	mg	supplier	Solder	Sn	7440-31-5		5.310	mg	982424	252978
				supplier	Solder	Ag	7440-22-4		0.065	mg	12026	3097
				supplier	Solder	Cu	7440-50-8		0.027	mg	4995	1286
				supplier	Solder	Ni	7440-02-0		0.003	mg	555	143
BSC	M-011 Other inorganic materials	0.597	mg	supplier	Polymer	Polybutylene terephthalate (PBT)	25038-59-9		0.389	mg	651525	18533
				supplier	Polymer	Silica	Proprietary		0.117	mg	195458	5560
				supplier	Polymer	Proprietary Material-Other Epoxy resins	Proprietary		0.045	mg	75369	2144
				supplier	Polymer	Proprietary Material-Other Acrylic resins	Proprietary		0.045	mg	75369	2144
				supplier	Polymer	Carbon black	1333-86-4		0.001	mg	2278	65