


Product				
Mfr Item Number	Mfr Item Name	Version	Mfr Site	Date
M24C64-FDW6TP	PT6P*24641KA	A	3068	23-02-2018
	Amount	UoM	Unit type	ST ECOPACK Grade
	34.00	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	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
NAC	Nickel/Palladium/Gold (Ni/Pd/Au)	Copper Alloy		

Package Designator	Size	Nbr of instances	Shape	
TSSOP	NAC	8	L Bend	
Comment	Package : 6P TSSOP 8 BODY 4.4 PITCH 0.65 0079397			

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 :						Mfr Item Name	PT6P*24641KA				7000001.0	999972.0
note : Substance present with less 0.001mg will not be declared in this document												
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	0.749	mg	supplier	die	Silicon (Si)	7440-21-3		0.721	mg	962517	21206
				supplier	metallization	Aluminium (Al)	7429-90-5		0.003	mg	4005	88
				supplier	Passivation	Silicon Nitride	12033-89-5		0.002	mg	2670	59
				supplier	Passivation	Silicon Oxide	7631-86-9		0.023	mg	30708	676
Lead-frame	M-011 Other inorganic materials	14.517	mg	supplier	alloy	Copper (Cu)	7440-50-8		14.147	mg	974500	416079
				supplier	alloy	Iron (Fe)	7439-89-6		0.341	mg	23460	10017
				supplier	alloy	Zinc (Zn)	7440-66-6		0.017	mg	1200	512
				supplier	alloy	Iron Phosphide (FeP)	26508-33-8		0.012	mg	840	359
Lead-frame Coating	M-011 Other inorganic materials	0.062	mg	supplier	coating	Nickel (Ni)	7440-02-0		0.058	mg	942580	1708
				supplier	coating	Palladium (Pd)	7440-05-3		0.002	mg	29665	54
				supplier	coating	Gold (Au)	7440-57-5		0.002	mg	27755	50
Die Attach	M-011 Other inorganic materials	0.049	mg	supplier	glue or soft solder	Poly(tetrafluoroethylene)	9002-84-0		0.025	mg	510000	735
				supplier	glue or soft solder	Synthetic resin	Proprietary		0.010	mg	200000	288
				supplier	glue or soft solder	Bismaleimide resin	Proprietary		0.010	mg	200000	288
				supplier	glue or soft solder	Titanium dioxide	13463-67-7		0.002	mg	40000	58
Wires	M-011 Other inorganic materials	0.019	mg	supplier	glue or soft solder	Silica, amorphous	7631-86-9		0.002	mg	50000	72
				supplier	Bonding wire	Gold (Au)	7440-57-5		0.019	mg	1000000	546
				supplier	Moulding Compound	Epoxy Resin	Proprietary		1.434	mg	77095	42183
Encapsulation	M-011 Other inorganic materials	18.603	mg	supplier	Moulding Compound	Phenol Resin	Proprietary		0.956	mg	51397	28122
				supplier	Moulding Compound	Silica, vitreous	60676-86-0		16.041	mg	862257	471791
				supplier	Moulding Compound	Carbon black	1333-86-4		0.096	mg	5140	2812
				supplier	Moulding Compound	Bismuth (Bi)	7440-69-9		0.076	mg	4112	2250
Finishing	M-011 Other inorganic materials	0.001	mg	supplier	connections coating	Nickel (Ni)	7440-02-0		0.001	mg	940951	17
				supplier	connections coating	Palladium (Pd)	7440-05-3		0.000	mg	30507	1
				supplier	connections coating	Gold (Au)	7440-57-5		0.000	mg	28542	1