


Product				
Mfr Item Number	Mfr Item Name	Version	Mfr Site	Date
M24128-BFDW6TP	PT6P*24281TA	A	3068	22-09-2021
	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-8th July 2021				
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	PT6P*24281TA				7000000.0	999970.8
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	0.559	mg	supplier	die	Silicon (Si)	7440-21-3		0.539	mg	964222	15853
				supplier	metallization	Aluminium (Al)	7429-90-5		0.002	mg	3578	59
				supplier	Passivation	Silicon Nitride	12033-89-5		0.001	mg	1789	29
				supplier	Passivation	Silicon Oxide	7631-86-9		0.017	mg	30411	500
Lead-frame	M-011 Other inorganic materials	14.517	mg	supplier	alloy	Copper(Cu)	7440-50-8		13.965	mg	962000	410742
				supplier	alloy	Nickel(Ni)	7440-02-0		0.436	mg	30000	12809
				supplier	alloy	Silicium (Si)	7440-21-3		0.094	mg	6500	2775
				supplier	alloy	Magnesium (Mg)	7439-95-4		0.022	mg	1500	640
Lead-frame Coating	M-011 Other inorganic materials	0.062	mg	supplier	coating	Nickel (Ni)	7440-02-0		0.056	mg	914840	1658
				supplier	coating	Palladium (Pd)	7440-05-3		0.002	mg	29660	54
				supplier	coating	Gold (Au)	7440-57-5		0.002	mg	27750	50
				supplier	coating	Silver (Ag)	7440-22-4		0.002	mg	27750	50
Die Attach	M-011 Other inorganic materials	0.049	mg	supplier	glue or soft solder	Silver(Ag)	7440-22-4		0.037	mg	767677	1095
				supplier	glue or soft solder	Oxiranylmethoxy-phenyl-methylene-bisoxiran	13561-08-5		0.006	mg	121212	173
				supplier	glue or soft solder	Phenol resin	9003-35-4		0.001	mg	30303	43
				supplier	glue or soft solder	Epoxypropoxy butane polymer	2425-79-8		0.001	mg	30303	43
Wires	M-011 Other inorganic materials	0.014	mg	supplier	glue or soft solder	Diglycidyl phenyl allyl ether	EC 417-470-1		0.002	mg	50505	72
				supplier	Bonding wire	Copper (Cu)	7440-50-8		0.014	mg	1000000	409
				supplier	Moulding Compound	Epoxy Resin	Proprietary		1.434	mg	76295	42183
				supplier	Moulding Compound	Phenol Resin	Proprietary		0.956	mg	50863	28122
Encapsulation	M-011 Other inorganic materials	18.798	mg	supplier	Moulding Compound	Silica, vitreous	60676-86-0		16.236	mg	863687	477529
				supplier	Moulding Compound	Carbon black	1333-86-4		0.096	mg	5086	2812
				supplier	Moulding Compound	Bismuth (Bi)	7440-69-9		0.076	mg	4069	2250
				supplier	connections coating	Nickel (Ni)	7440-02-0		0.001	mg	914840	17
Finishing	M-011 Other inorganic materials	0.001	mg	supplier	connections coating	Palladium (Pd)	7440-05-3		0.000	mg	29660	1
				supplier	connections coating	Gold (Au)	7440-57-5		0.000	mg	27750	1
				supplier	connections coating	Silver (Ag)	7440-22-4		0.000	mg	27750	1

