NXP Semiconductors								Last Revision (GMT):		
Product Content Declaration of MCIMX6D4AVT10AD								Thursday, 12 May 2022, 07:10:00 AM		
Part Type	Package Version	Darkage Name	Total part weight	Environment			Termination		2nd Level Interconnect	More information
Part Type	Package Version	Package Name	rotal part weight	Halogen Free	Lead Free	EU RoHS Compliant	Plating	Base Allov	2nd Level Interconnect	more information
				(CI + Br)	(Pb)	LO NOTO COMPILINE	r many	Date Alloy		
MCIMX6D4AVT10AD	SOT1643-1	FBGA624	3311.325000 mg	Yes	Yes	Yes	Tin/Silver/Copper (Sn/Ag/Cu)	Other	e1	contact us
MCINASD4AV I IGAD	3011043-1	FBGA024	3311.323000 mg	res	res	TIS	Tiny silver/copper (sil/Ag/cu)	Other	eı	CONTACT US
Manufacuturer Part Number (MPN)	Effective Date	Version	Pb-free soldering			SnPb soldering			Number of processing cycles	Manufacturing
manufacturer Part Number (MPN)		veraion	Moisture Sensitivity Level / Floor Life	Peak package temperature	Max time at peak temperature	Moisture Sensitivity Level / Floor Life	Peak package temperature	Max time at peak temperature	number of processing cycles	manuactoring
9353 180 05557	1/28/2021	12	3 / 168 hours	260	40 sec.	Not Applicable	Not Applicable	Not Applicable	3	Kuala Lumpur, Malaysia;External manufacturing
9333 180 03337	1/20/2021	12	3 / 166 HOURS	200	40 SEC.	Not Applicable	NOT Applicable	NOT Applicable	3	koas compor, waraysa,externa manoractoring
Subnart	Homogeneous Material	Substance					CAS number	Mass(mg)	Mass/Ni) of	Mass/%) of
Subpart	nomogeneous material	Category		Description			CAS number	wasslug)	Material	Total part
Epoxy Adhesive	Epoxy Adhesive						14808.60.7	8 24000		
Epoxy Adriesive	Epoxy Aunesive	Inorganic Silicor		Quartz			14808-60-7	8.240000		
		Organic Silicon o		Dimethylvinylated and trimet Siloxanes and silicones, di-Me			68083-19-2	9,27000		
		Organic Silicon o	compounds	Siloxanes and silicones, di-Me	, vinyl group-terminated	SubTota		20.60000		
						SubTota	11	20.60000	100.000000	0.622108
Heat Spreader	Heat Spreader	Copper and its o		Copper, metal			7440-50-8	1989.73511	99.17930	60.088790
		Nickel and its co	i	Nickel, metal			7440-02-0	16.46488		
		Nickei and its co	mpounds	Nickel, metal		SubTot		2006 20000		
						300100		100.1000	100.00000	
Semiconductor Die	Semiconductor Die	Inorganic Silicor	compounds	Silicon, doped				36.736000	89.60000	1.109405
		Miscellaneous s		Other miscellaneous substanc	es (less than 10%).			0.36900		
		Nickel and its co		Nickel, metal	en pena ciam auraj.		7440-02-0	0.205000		
		Silver and its co		Silver, metal			7440-22-4	0.129150		
		Tin and its comp		Tin, metal			7440-31-5	3.560850		
						SubTota		41.00000		
Solder Ball - SAC, Lead Free	Solder Ball - SAC, Lead Free	Copper and its o	pmpounds	Copper, metal			7440-50-8	1.51584	0.50090	0.045778
		Silver and its cor		Silver, metal			7440-22-4	9.095093	3.00540	0.274666
		Tin and its comp		Tin, metal			7440-31-5	292.01406	96.49370	8.818647
						SubTota	al	302.625000	100.000000	9.139091
Substrate	Copper Foil	Copper and its o	ompounds	Copper, metal			7440-50-8	311.800638		
		Miscellaneous s	ubstances	Proprietary Material-Other mi	scellaneous substances.			0.31211	0.10000	0.009426
						SubTota		312.11275		
	Solder	Copper and its o	ompounds	Copper, metal			7440-50-8	0.78165		
		Silver and its con		Silver, metal			7440-22-4	4.68994		
		Tin and its comp	ounds	Tin, metal			7440-31-5	150.85984		
						SubTota		156.331450		
	Solder Mask Substrate Build Up	Barium and its o		Barium sulfate			7727-43-7	10.37967		
		Copper and its o		Copper phthalocyanine			147-14-8	0.066750		
		Inorganic Silicor		Silicon dioxide			7631-86-9	0.166876		
		Magnesium and		Talc			14807-96-6	1.20150		
		Miscellaneous s		Proprietary Material-Other mi				0.367123		
		Organic compos	inds	Proprietary Material-Other or	ganic compounds.			0.033375		
		Polymers		Plastic: EP - Epoxide, Epoxy		SubTota		21.15985		
		Epoxy Resins				SubTota	al 1675-54-3	7.84733		
	Substrate Bolld Op	Epoxy Resins Epoxy Resins		Bisphenol A diglycidyl ether Phenolic Polymer Resin, Epiko	4- 177		9003-36-5	7.84733		
		Epoxy Resins Inorganic Silicor	- common and	Phenolic Polymer Resin, Epiko Silicon dioxide	IIE 155		7631-86-9	31.42688		
		Polymers	compounds	Plastic: EP - Epoxide, Epoxy				27.97255		
				cr - cpowde, cputy		SubTota	i.	75.094110		
	Substrate Core	Inorganic Silicor	compounds	Fibrous-glass-wool		300101	65997-17-3	169.99326		
		Inorganic Silicor		Silica, vitreous			60676-86-0	16,99932		
		Polymers		Plastic: EP - Epoxide, Epoxy				152.993931	45.00000	4,620324
						SubTota	al	339.98652	100.000000	10.267386
						20101				
Thermally Conductive Gel	Thermally Conductive Gel	Aluminum and i	ts compounds	Aluminum, metal			7429-90-5	8.64000	72.00000	0.260923
		Organic Silicon o		Proprietary Material-Other sile	oxanes and silicones			1.200000	10.00000	0.036239
		Zinc and its com		Zinc axide			1314-13-2	2.160000	18.00000	
						SubTota	al	12.000000	100.000000	0.362393
Underfill	Underfill	Inorganic Silicor	compounds	Silica, vitreous			60676-86-0	7.20000		
		Inorganic compo		Carbon Black			1333-86-4	0.012000		
		Miscellaneous s	ubstances	Proprietary Material-Other mi	scellaneous substances.			0.108000		
		Polymers		Plastic: EP - Epoxide, Epoxy				4.680000		
						SubTota	al	12.000001	100.000000	0.362393
						Tota	al	3311.325000	100.000000	100.0000000

Notes(s):

1. Some materials contains subclassors with a generic description as the actual composition of the subclassors are either considered proprietary or no official CIS number is available. If a CIS number is given, it is the closest match available.

All information in this document is furnished for exploratory or indicative purposes only. All information in this document is furnished for exploratory or indicative purposes only. All information in this document is believed to be accurate and reliable. However, NOP does not give any representations or warranties as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. NOP may make changes to information published in this document any time of such indication. This document constructs as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any ficense under any copyrights, present or determination in information published in this information applied prior to the publication hereof. Nothing in this document may be interpreted or constructed as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any ficense under any copyrights, and the publication hereof. Nothing in this document may be interpreted or constructed as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any ficense under any copyrights, and the publication hereof. Nothing in this document may be interpreted or constructed as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any ficense under any copyrights, and the publication hereof. Nothing in this document may be interpreted or constructed as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any ficense under any copyrights, and the publication hereof. The publication hereof. Nothing in this document may be interpreted or constructed as an offer to sell products that is open for acceptance or the publication of the publication hereof. The publication hereo