MICROCHIP							Package Homogeneous	Materials		
Semiconductor Device Type:	S2X-PDIP-40600in-N	/latteTin								
Sub-Component	Basic Substance	CAS Number	% Total Weight	mg/part	ppm	487.50	(mg) Total	Die	% of Total Weight	7.50
Die	Silicon	7440-21-3	7.50	487.50	75000		Silicon	7440-21-3	100.00	
Polyimide Film	Polyimide	Trade Secret	0.22	13.98	2150			Total	100.00	
Polyimide Film	p-tert-Butylphenol-formaldehyde-phenol copolymer	28453-20-5	0.03	1.95	300					
Polyimide Film	Bisphenol A diphenyl ether bismaleimide	79922-55-7	0.03	1.95	300	32.50	(mg) Total	Polyimide Film	% of Total Weight	0.50
Polyimide Film	Acrylonitrile-butadiene copolymer	9003-18-3	0.04	2.28	350		Polyimide	Trade Secret	43.00	
Polyimide Film	Poly(ethylene terephthalate)	25038-59-9	0.19	12.35	1900		p-tert-Butylphenol-formaldehyde- phenol copolymer	28453-20-5	6.00	
Mold Compound	Phenolic Resin	Trade Secret	7.94	515.78	79350		Bisphenol A diphenyl ether bismaleimide	79922-55-7	6.00	
Mold Compound	Carbon Black	1333-86-4	0.79	51.58	7935		Acrylonitrile-butadiene copolymer	9003-18-3	7.00	
Mold Compound	Other	Trade Secret	3.17	206.31	31740		Poly(ethylene terephthalate)	25038-59-9	38.00	
Mold Compound	Epoxy Resin	Trade Secret	7.94	515.78	79350			Total	100.00	
Mold Compound Plating & Anode Ball	Vitreous silica Lead	60676-86-0 7439-92-1	59.51 0.00	3868.31 0.04	595125 6	5157.75	(mg) Total	Mold Compound	% of Total Weight	79.35
Plating & Anode Ball	Tin	7440-31-5	1.25	81.21	12494		Phenolic Resin	Trade Secret	10.00	
Die Attach Epoxy	Silver	7440-22-4	0.54	34.86	5363		Carbon Black	1333-86-4	1.00	
Die Attach Epoxy	Formaldehyde, polymer with 2- (chloromethyl)oxirane and phenol	9003-36-5	0.11	7.31	1125		Other	Trade Secret	4.00	
Die Attach Epoxy	p-tert-Butylphenyl glycidyl ether	3101-60-8	0.06	3.66	563		Epoxy Resin	Trade Secret	10.00	
Die Attach Epoxy	Dicyandiamide	461-58-5	0.01	0.49	75		Vitreous silica	60676-86-0	75.00	
Die Attach Epoxy	Phenolic Resin	Trade Secret	0.02	1.22	188			Total	100.00	
Die Attach Epoxy	Amine	Trade Secret	0.02	1.22	188					
Bonding Wire	Gold	7440-57-5	0.20	13.00	2000	81.25	(mg) Total	Plating & Anode Ball	% of Total Weight	1.25
Lead Frame	Phosphorus	7723-14-0	0.01	0.55	85		Lead	7439-92-1	0.05	
Lead Frame	Zinc	7440-66-6	0.01	0.83	128		Tin	7440-31-5	99.95	
Lead Frame	Copper	7440-50-8	9.99	649.27	99888			Total	100.00	
Lead Frame Lead Frame	Iron Silver	7439-89-6 7440-22-4	0.24	15.66 12.94	2409 1991	48.75	(mg) Total	Die Attach Epoxy	% of Total Weight	0.75
		TOTALS:	100.00	6500.00	1,000,000		Silver	7440-22-4	71.50	
6500.00 mg Total Mass  6500.00 mg Total Mass  Formaldehylo, polymer with 2- (chloromethyl)oxirane and phenol										
					i		p-tert-Butylphenyl glycidyl ether	3101-60-8	7.50	
	ontent Declaration (MCD) consists of package-leve	el information and is not part n	umber specific.	This information is	s considered to		Dicyandiamide	461-58-5	1.00	
fficiently representative of all part num	bers for the package type.				ļ.		Phenolic Resin Amine	Trade Secret	2.50	
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. Additionally, Microchip products are o	all products to comply with global product materi lesigned to be compliant with IEC62474. For special representative							1		
ite on microchip.com or ask your local	·					13.00	(mg) Total	Bonding Wire	% of Total Weight	0.20
crochip Technology Incorporated believes the information in this MCD is true and correct to the best of its knowledge and belief, as of the date listed in this form. Microchip lechnology Incorporated cannot quarantee the completeness and accuracy of data in this form because it has been compiled based on the ranges provided in Safety Data						Gold 7440-57-5 100.00 Total 100.00				
s provided by raw material suppliers. S	supplier information is often protected from disclo	sure as trade secrets and som	e information ma	ay not have been	provided by			ı otai	100.00	
	ppliers. Information is provided only as estimates Illic materials which may be contained within silice			stimates do not inc	clude trace levels	679.25	(mg) Total	Lead Frame	% of Total Weight	10.45
							Phoenhorus	7723-14-0	0.08	

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679.25	(mg) Total	Lead Frame	% of Total Weight	10.45
	Phosphorus	7723-14-0	0.08	
	Zinc	7440-66-6	0.12	
	Copper	7440-50-8	95.59	
	Iron	7439-89-6	2.31	
	Silver	7440-22-4	1.91	
6500.00		Total	100.00	100.00

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