MICROCHIP						Package Homogeneous Materials				
Semiconductor Device Type:	T4X	TQFP-44-10x10x1mm-MatteTin								
Basic Substance	CAS Number	"Contained In" Sub-Component	% Total Weight	mg/part	ppm	218.09	(mg) Total	Mold Compound	% of Total Weight	79.80
Silica, vitreous	60676-86-0	Mold Compound	67.83	185.38	678296		Silica, vitreous	60676-86-0	85.00	
Epoxy Resin	Trade Secret	Mold Compound	6.94	18.97	69425		Epoxy Resin	Trade Secret	8.70	
Phenolic Resin	Trade Secret	Mold Compound	4.79	13.09	47881		Phenolic Resin	Trade Secret	6.00	
Carbon Black	1333-86-4	Mold Compound	0.24	0.65	2393		Carbon Black	1333-86-4	0.30	
Copper	7440-50-8	Lead Frame	10.00	27.33	100003	Total 100.00				
Nickel	7440-02-0	Lead Frame	0.27	0.73	2667					
Silver	7440-22-4	Lead Frame	0.18	0.48	1753	28.70	(mg) Total	Lead Frame	% of Total Weight	10.50
Silicon	7440-21-3	Lead Frame	0.05	0.13	472		Copper	7440-50-8	95.24	
Magnesium	7439-95-4	Lead Frame	0.01	0.03	106		Nickel	7440-02-0	2.54	
Silver	7440-22-4	Die Attach	0.60	1.64	6001		Silver	7440-22-4	1.67	
Acrylate Urethane Oligomer	Trade Secret	Die Attach	0.15	0.41	1500		Silicon	7440-21-3	0.45	
Silicon	7440-21-3	Die	7.50	20.50	75002		Magnesium	7439-95-4	0.10	
Copper	7440-50-8	Wire Bond	0.20	0.54	1958		•	Total	100.00	
Palladium	2023568	Wire Bond	0.00	0.01	40					
Gold	7440-57-5	Wire Bond	0.00	0.00	4	2.05	(mg) Total	Die Attach	% of Total Weight	0.75
Tin	7440-31-5	Lead Plating	1.25	3.42	12499		Silver	7440-22-4	80.00	
		TOTALS	: 100.00	273.30	1,000,000		Acrylate Urethane Oligomer	Trade Secret	20.00	
273.30 mg Total Mass							· · · · · ·	Total	100.00	
information contained in this Material Content Declaration (MCD) consist	sts of package-level information and	is not part number specific. This information is cons	idered to be su	ifficiently repr	esentative of	20.50	(mg) Total	Die	% of Total Weight	7.50
Il part numbers for the package type.							Silicon	7440-21-3	100.00	
rechin Technology Incorporated designs all products to comply with ale	hal product material compliance et	undards including but not limited to PoUS DEACH a	nd China Balls	Additionally	Microchin			Total	100.00	
crochip Technology Incorporated designs all products to comply with global product material compliance standards, including but not limited to RoHS, REACH, and China RoHS. Additionally, Microchip odducts are designed to be compliant with IEC62474. For specific compliance information, please check our product material compliance website on microchip.com or ask your local sales representative.						0.55	(mg) Total	Wire Bond	% of Total Weight	0.20
			•	•			Copper	7440-50-8	97.81	
	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 Technology Incorporated						Palladium	2023568	2.01	
ochip Technology Incorporated believes the information in this MCD is not guarantee the completeness and accuracy of data in this form becau							Gold	7440-57-5	0.18	

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T4X 12:43 PM : 5/9/2024

7440-31-5 Total 100.00 100.00