Compliant with IEC 62474/ D9.00

MICROCHIP Semiconductor Device Type: (NYA) 024 VQFN 4x4x0.9mm NiPdAu			Termination Base Alloy: Copper Alloy (Cu)			Package Homogeneous Materials: 8.1 Electronics (e.g. pc boards, displays)				J-STD-609A Product Marking and/or Pkg. Labeling e4
	Ī	"Contained In"	% Total			22.72	(mg) Total	Mold Compound	% ot Total Weight	53.84
Basic Substance	CAS Number	Sub-Component	Weight	mg/part	ppm					
Fused Silica Epoxy Resin	60676-86-0 Trade Secret	Mold Compound Mold Compound	48.187 2.692	20.335 1.136	481,868 26.920		Fused Silica Epoxy Resin	60676-86-0 Trade Secret	89.50 5.00	
Phenol Resin	Trade Secret	Mold Compound	2.154	0.909	21,536		Phenol Resin	Trade Secret	4.00	
Aromatic Phosphate	Trade Secret	Mold Compound	0.700	0.295	6,999		Aromatic Phosphate	Trade Secret	1.30	
Carbon Black	1333-86-4	Mold Compound	0.108	0.045	1,077		Carbon Black	1333-86-4	0.20	
Copper	7440-50-8	Lead Frame	40.302	17.007	403,017			Total	100.00	
Iron	7439-89-6	Lead Frame	0.953	0.402	9,527	17.48	(mg) Total	Lead Frame	% of Total Weight	41.42
Phosphorous	7723-14-0	Lead Frame	0.104	0.044	1,036		Copper	7440-50-8	97.30	
Zinc (Metal)	7440-66-6	Lead Frame	0.062	0.026	621		Iron	7439-89-6	2.30	
Silver	7440-22-4	Die Attach	0.100	0.042	1,001		Phosphorous	7723-14-0	0.25	
Acrylic Resin	Trade secret	Die Attach	0.018	0.008	182		Zinc (Metal)	7440-66-6	0.15	
Epoxy Resin	Trade secret	Die Attach	0.012	0.005	117			Total	100.00	
Silicon	7440-21-3	Chip (Die)	1.660	0.701	16,600	0.05	(mg) Total	Die Attach	% of Total Weight	0.13
Gold	7440-57-5	Wire Bond	0.520	0.219	5,200		Silver	7440-22-4	77.00	
Nickel	7440-02-0	Plating on external leads (pins)	2.368	0.999	23,678		Acrylic Resin	Trade secret	14.00	
Palladium	7440-05-3	Plating on external leads (pins)	0.050	0.021	501		Epoxy Resin	Trade secret	9.00	
Gold	7440-57-5	Plating on external leads (pins)	0.012	0.005	122			Total	100.00	
		TOTALS:								
		TOTALS:	100.000	42.200	1,000,000	0.70	Total (mg)	Chip (Die)	% of Total Weight	1.66
	terials comply w	g Total Mass ith EU Directives: 2002/95/EC (27 January 2003)			,,	0.70	Total (mg) Doped Silicon	7440-21-3 Total	% of Total Weight 100.00 100.00	1.66
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5/863/EU (31 March 2015) and 2002/53/EC (End-onpliance with the above EU Directives has been a chemical substance is absent from the list above rochip Technology Incorporated's knowledge an identration of the chemical substance, if any, is in iding compounds used by Microchip meet the UL ort at http://ul.com/global/eng/pages/offerings/ince protective "tubes" in which the specific product on the outer box and certain "reels" may be maderically and the compounded of the protective may be maderically incorporated cannot guarantee the complexity of the provided by raw material safety Data Sheets provided by raw material york have been provided by subcontract assemble and the average weight of anticipated significate anticond within cilicon devices (silicon from the contained within cilicon devices (silicon from the contained within cilicon devices (silicon from the contained of the contained within cilicon devices (silicon from the contained of the	terials comply w of-Life Vehicles (I verified via inter e, the chemical s d belief as of the not below the thre 94 V0 flammabil dustries/chemica t is shipped are r de from PVC plas ormation in this i terials is true and pleteness and ac al suppliers. Supplers and raw ma ant toxic metals o can in the finished e any warranty, icrochip Technol s quotations, sal ates or changes ird parties as a re Certificate of Co	g Total Mass ith EU Directives: 2002/95/EC (27 January 2003) ELV) without exemption (zero) nal design controls, supplier declarations, and /or ubstance is NOT an intentional ingredient in the st date of this document, there is no credible reast eshold of regulatory concern for any regulatory s ity standard for plastics. You can access the UL in els/plastics/ made from polyvinyl chloride (PVC) plastic. "Wind estic. Torrect to the best of its knowledge and belief, a couracy of data in this form because it has been of plier information is often protected from disclosu terial suppliers. Information is provided only as a components. These estimates do not include trac marks express or implied, with respect to the informatio logy Incorporated and its subsidiaries are contain es order acknowledgement, and invoices. to Material Content Declarations and shall not be estalt of the users' reliance on the information in N	& Directive 201 r analytical test of semiconductor of the believe that cheme world-will add we envelopes." In Microcnip Lector of the date list compiled based are as trade seen estimates of the elevels of dopa on provided in the din Microchip liable for any dataterial Content.	data. levice and, to to the unavoidal de. atabases to observe and to hold the unavoidal de. used to hold the unavoidal de.	the best of ble impurity brain a test he packing provided in information at of these and non-metal and the impurity brains and the or indirect,	0.22	Doped Silicon (mg) Total Gold (mg) Total Nickel Palladium	7440-21-3 Total Wire Bond 7440-57-5 Total Plating on external leads (pins) 7440-02-0 7440-05-3	100.00 100.00 % of Total Weight 100.00 % of Total Weight 97.44 2.06	0.52

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