Compliant with IEC 62474/ D9.00

MICROCHIP Semiconductor Device Type: MR / RG (NTX) 064 QFN 9x9x0.9mm Matte Tin				Termination Base Alloy: Copper Alloy (Cu)			Package Homogeneous Materials			
		"Contained In"	% Total							<u> </u>
Basic Substance	CAS Number	Sub-Component	Weight	mg/part	ppm	102.56	(mg) Total	Mold Compound	% ot Total Weight	44.13
Silica, vitreous	60676-86-0	Mold Compound	38.353	89.133	383,534		Silica, vitreous	60676-86-0	86.91	
Epoxy Resin	834893-60-6	Mold Compound	3.385	7.866	33,848		Epoxy Resin	834893-60-6	7.67	
Phenolic Resin	628290-34-6	Mold Compound	2.255	5.241	22,550		Phenolic Resin	628290-34-6	5.11	
Carbon Black	1333-86-4	Mold Compound	0.137	0.318	1,368		Carbon Black	1333-86-4	0.31	
Copper	7440-50-8	Lead Frame	40.126	93.252	401,258	•		Total	100.00	
Iron	7439-89-6	Lead Frame	0.987	2.294	9,870	97.61	(mg) Total	Lead Frame	% of Total Weight	42
Silver	7440-22-4	Lead Frame	0.800	1.859	8,001		Copper	7440-50-8	95.54	
Zinc	7440-66-6	Lead Frame	0.053	0.122	525		Iron	7439-89-6	2.35	
Phosphorous	7723-14-0	Lead Frame	0.035	0.081	347		Silver	7440-22-4	1.91	
Silver	7440-22-4	Die Attach	1.863	4.331	18,634		Zinc	7440-66-6	0.13	
Acrylic Resin	Trade secret	Die Attach	0.206	0.478	2,057		Phosphorous	7723-14-0	0.08	
Epoxy Resin	Trade secret	Die Attach	0.061	0.141	605			Total	100.00	
Acrylate	Trade secret	Die Attach	0.133	0.309	1,331	5.62	(mg) Total	Die Attach	% of Total Weight	2.42
Polybutadiene derivative & Coplolymer	Trade secret	Die Attach	0.157	0.366	1,573		Silver	7440-22-4	77.00	
Silicon	7440-21-3	Chip (Die)	6.000	13.944	60,000		Acrylic Resin	Trade secret	8.50	
Copper	7440-50-8	Wire Bond palladium coated copper (CuPd)	0.953	2.215	9,530		Epoxy Resin	Trade secret	2.50	
Palladium	7440-05-3	Wire Bond palladium coated copper (CuPd)	0.017	0.039	170		Acrylate	Trade secret	5.50	
Tin	7440-31-5	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour	4.480	10.412	44,800	Polybutadie	ne derivative & Coplolymer	Trade secret	6.50	
		TOTALS:	100.000	232.400	1,000,000			Total	100.00	
	0 2324	g Total Mass				13.94	Total (mg)	Chip (Die)	% of Total Weight	6
15) and 2002/53/EC (End-of-Life Vehicles (ELV) without exemption (impliance with the above EU Directives has been verified via internal	•	ls, supplier declarations, and /or analytical test data.						Total	100.00	
If a chemical substance is absent from the list above, the chemical substance is NOT an intentional ingredient in the semiconductor device and, to the best of Microchip Technology Incorporated's knowledge and belief as of the date of this document, there is no credible reason to believe that the unavoidable impurity concentration of the chemical substance, if any, is not below the threshold of regulatory concern for any regulatory scheme world-wide.						2.25	(mg) Total	Wire Bond palladium coated copper (CuPd)	% of Total Weight	0.97
Molding compounds used by Microchip meet the UL94 V0 flammability standard for plastics. You can access the UL iQTM family of databases to obtain a test report at http://ul.com/global/eng/pages/offerings/industries/chemicals/plastics/							Copper	7440-50-8	98.25	
The protective "tubes" in which the specific product is shipped are made from polyvinyl chloride (PVC) plastic. "Window envelopes" used to hold the packing slip on the outer box and certain "reels" may be made from PVC plastic.							Palladium	7440-05-3	1.75	
icrochip Technology Incorporated believes the information in this for leir original packing materials is true and correct to the best of its knompleteness and accuracy of data in this form because it has been of formation is often protected from disclosure as trade secrets and so rovided only as estimates of the average weight of these parts and the opants, metals, and non-metal materials contained within silicon devents.	nowledge and be compiled based ome information he average weig	elief, as of the date listed in this form. Microchip Technology I on the ranges provided in Material Safety Data Sheets providi may not have been provided by subcontract assemblers and ht of anticipated significant toxic metals components. These	ncorporated ca ed by raw mate I raw material s	innot guarante rial suppliers. uppliers. Infoi	ee the . Supplier rmation is			Total	100.00	-
Microchip Technology Incorporated does not provide any warranty, express or implied, with respect to the information provided in this declaration. The exclusive, limited product warranties provided by Microchip Technology Incorporated and its subsidiaries are contained in Microchip's standard terms and conditions of sale. These are provided in Microchip's quotations, sales order acknowledgement, and invoices.						10.41	(mg) Total	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour	% of Total Weight	4.48
Microchip disclaims any duty to notify users of updates or changes to Material Content Declarations and shall not be liable for any damages, direct or indirect, consequential or otherwise, suffered by users or third parties as a result of the users' reliance on the information in Material Content Declarations (MCD) or independent third party test reports (SGS) or of this Certificate of Compliance for semiconductor products.							Tin	7440-31-5	100.00	
Assembled package referenced above is EU REACH compliant based on the latest SVHC candidate list of ECHA which can be found at http://echa.europa.eu/web/guest/candidate-list-table						Total 100.00 100.00				

CuPd 2:12 PM : 8/17/2015