Compliant with IEC 62474/ D9.00 Compliant to IEC 61249-2-21:2003

MICROCHIP Semiconductor Device Type: HZA 008 UDFN 2x2x0.6mm MatteTin				Termination Base Alloy: Copper Alloy (Cu)			Package Homogeneous Materials			
		"Contained In"	% Total			1.72	(mg) Total	Mold Compound	% ot Total Weight	29.18
Basic Substance	CAS Number	Sub-Component	Weight	mg/part	ppm	1.72	(ing) rotal	moia compouna	70 Ot Total Weight	23.10
Silica, fused	60676-86-0	Mold Compound	26.262	1.549	262,620		Silica, fused	60676-86-0	90.0000	
Epoxy Resin	Trade Secret	Mold Compound	1.415	0.083	14,152		Epoxy Resin	Trade Secret	4.85000	
Phenolic Resin	Trade Secret	Mold Compound	1.415	0.083	14,152		Phenolic Resin	Trade Secret	4.85000	
Carbon Black	1333-86-4	Mold Compound	0.088	0.005	875		Carbon Black	1333-86-4	0.30000	<u> </u>
Copper	7440-50-8	Lead Frame	60.810	3.588	608,096			Total	100.00	
Iron	7439-89-6	Lead Frame	1.496	0.088	14,958	3.76	(mg) Total	Lead Frame	% of Total Weight	63.65
Silver	7440-22-4	Lead Frame	1.213	0.072	12,125		Copper	7440-50-8	95.54	
Zinc	7440-66-6	Lead Frame	0.080	0.005	796		Iron	7439-89-6	2.35	
Phosphorous	7723-14-0	Lead Frame	0.053	0.003	525		Silver	7440-22-4	1.91	
Silver	7440-22-4	Die Attach	0.801	0.047	8,008		Zinc	7440-66-6	0.13	
Epoxy resin	68475-94-5	Die Attach	0.208	0.012	2,080		Phosphorous	7723-14-0	0.08	<u> </u>
Copper(II) oxide	1317-38-0	Die Attach	0.031	0.002	312			Total	100.00	
Silicon	7440-21-3	Chip (Die)	4.810	0.284	48,100	0.06	(mg) Total	Die Attach	% of Total Weight	1.04
Copper	7440-50-8	Wire Bond Copper palladium coated (CuPd)	0.099	0.006	985		Silver	7440-22-4	77.00]
Palladium	7440-05-3	Wire Bond Copper palladium coated (CuPd)	0.002	0.000	15		Epoxy resin	68475-94-5	20.00	
Tin	7440-31-5	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour	1.220	0.072	12,200		Copper(II) oxide	1317-38-0	3.00	<u> </u>
		TOTALS:	100.000	5.900	1,000,000			Total	100.00	
	0.0059	g Total Mass				0.28	Total (mg)	Chip (Die)	% of Total Weight	4.81
This semiconductor device and its homogenous materials comply with EU Directives: 2002/95/EC (27 January 2003) & Directive 2011/65/EU (08 June 2011) and 2015/863/EU (31 March 2015) and 2002/53/EC (End-of-Life Vehicles (ELV) without exemption (zero) Compliance with the above EU Directives has been verified via internal design controls, supplier declarations, and /or analytical test data.							Doped Silicon	7440-21-3 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.						0.01	(mg) Total	Wire Bond Copper palladium coated (CuPd)	% of Total Weight	0.10
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	98.50	
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	1.50		
Microchip Technology Incorporated believes the information in this form concerning substances restricted by RoHS in Microchip Technology Incorporated's semiconductor devices in their original packing materials is true and correct to the best of its knowledge and belief, as of the date listed in this form. Microchip Technology Incorporated cannot guarantee the completeness and accuracy of data in this form because it has been compiled based on the ranges provided in Material Safety Data Sheets provided by raw material suppliers. Supplier information is often protected from disclosure as trade secrets and some information may not have been provided by subcontract assemblers and raw material suppliers. Information is provided only as estimates of the average weight of these parts and the average weight of anticipated significant toxic metals components. These estimates do not include trace levels of dopants, metals, and non-metal materials contained within silicon devices (silicon IC) in the finished parts.								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. 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. 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						0.07	(mg) Total	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour 7440-31-5	% of Total Weight	1.22
						Total 100.00				

PdCu 14:09:06/28/16

5.900