



Semiconductor Device Type: RWX 008 WDFN 2x2x0.8mm MatteTin			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 e3
Basic Substance	CAS Number	"Contained In" Sub-Component	% Total Weight	mg/part	ppm	(mg) Total	Mold Compound	% of Total Weight	
Silica, fused	60676-86-0	Mold Compound	42.669	4.608	426.690	5.12	Mold Compound		47.41
Epoxy Resin	Trade Secret	Mold Compound	2.299	0.248	22.994				
Phenolic Resin	Trade Secret	Mold Compound	2.299	0.248	22.994				
Carbon Black	1333-86-4	Mold Compound	0.142	0.015	1.422				
Copper	7440-50-8	Lead Frame	44.713	4.829	447.135	4.96	Lead Frame		45.9
Tin	7440-31-5	Lead Frame	0.115	0.012	1.148				
Silver	7440-22-4	Lead Frame	0.874	0.094	8.744	0.12	Die Attach		1.1
Zinc	7440-66-6	Lead Frame	0.083	0.009	826				
Chromium	7440-47-3	Lead Frame	0.115	0.012	1,148				
Silver	7440-22-4	Die Attach	0.990	0.107	9,900				
1,1'-(Methylenedi-p-phenylene)bismaleimide	13676-54-5	Die Attach	0.110	0.012	1,100	0.08	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour		0.72
Silicon	7440-21-3	Chip (Die)	4.700	0.508	47,000				
Gold	7440-57-5	Wire Bond	0.170	0.018	1,700	0.51	Chip (Die)		4.7
Tin	7440-31-5	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour	0.720	0.078	7,200				
<b>TOTALS:</b>			<b>100.000</b>	<b>10.800</b>	<b>1,000,000</b>				
<b>0.0108 g Total Mass</b>									
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.									
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.									
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 <a href="http://ul.com/global/eng/pages/offering/industries/chemicals/plastics/">http://ul.com/global/eng/pages/offering/industries/chemicals/plastics/</a>									
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.									
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.									
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Assembled package referenced above is EU REACH compliant based on the latest SVHC candidate list of ECHA which can be found at <a href="http://echa.europa.eu/web/guest/candidate-list-table">http://echa.europa.eu/web/guest/candidate-list-table</a>									
						10.80			100.00