Compliant with IEC 62474/ D9.00

MICROCHIP Semiconductor Device Type:	(P6Y) 005 SOT-23 Matta Tin	Termination Base Alloy: Copper Alloy (Cu)			Package Homogeneous Materials: 8.1 Electronics (e.g. pc boards, displays)				JEDEC 97 Product Marking and/or Pkg. Labeling e3	
Ochineoriadetor Bevice Type	. 017017011	"Contained In"	% Total	1						
Basic Substance	CAS Number	Sub-Component	Weight	mg/part	ppm	8.39	(mg) Total	Mold Compound	% ot Total Weight	49.38
Silica, vitreous	60676-86-0	Mold Compound	41.973	7.135	419,730		Silica, vitreous	60676-86-0	85.00	
Epoxy Resin (No bromine, No diantimony trioxide)	Trade Secret	Mold Compound	3.025	0.514	30,245		Epoxy Resin	Trade Secret	6.13	
Phenolic Resin (No Br / CL SbO3, No diantimony trioxide)	Trade Secret	Mold Compound	3.025	0.514	30,245		Phenolic Resin	Trade Secret	6.13	
Epoxy, Cresol Novolac	29690-82-2	Mold Compound	1.210	0.206	12,098		Epoxy, Cresol Novolac	29690-82-2	2.45	
Carbon Black	1333-86-4	Mold Compound	0.148	0.025	1,481		Carbon Black	1333-86-4	0.30	
Copper	7440-50-8	Lead Frame	40.919	6.956	409,187			Total	100.00	Ţ.
Iron	7439-89-6	Lead Frame	1.007	0.171	10,065	7.28	(mg) Total	Lead Frame	% of Total Weight	42.83
Silver	7440-22-4	Lead Frame	0.816	0.139	8.159		Copper	7440-50-8	95.54	
Zinc	7440-66-6	Lead Frame	0.054	0.009	535	1	Iron	7439-89-6	2.35	1
Phosphorous	7723-14-0	Lead Frame	0.035	0.006	353	1	Silver	7440-22-4	1.91	1
Aluminum oxide	1344-28-1	Die Attach	0.106	0.018	1.059		Zinc	7440-66-6	0.13	
Epoxy resin	Trade Secret	Die Attach	0.193	0.033	1,925		Phosphorous	7723-14-0	0.08	
Amine (Trade Secret - 10039)	Trade Secret	Die Attach	0.012	0.002	116		Filospilolous	Total	100.00	1
			4.380	0.002	43,800	2.05	, , , , , ,			
Silicon	7440-21-3	Chip (Die)				0.05	(mg) Total	Die Attach	% of Total Weight	0.31
Gold	7440-57-5	Wire Bond	0.430	0.073	4,300		Aluminum oxide	1344-28-1	34.16	
Tin	7440-31-5	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour	2.670	0.454	26,700		Epoxy resin	Trade Secret	62.11	
		TOTALS:	100.000	17.000	1,000,000	,	Amine (Trade Secret - 10039) Amine (Trade Secret - 1003	3.73	
	0.0170	g Total Mass						Total	100.00	Ē.
		cumplier declarations, and for analytical test data					Donad Silicon	7440-21-2	100.00	1
f a chemical substance is absent from the list above, the chemical	substance is NOT an						Doped Silicon	7440-21-3 Total	100.00	
·	substance is NOT an it, there is no credible theme world-wide. ility standard for plas	intentional ingredient in the semiconductor device and, to reason to believe that the unavoidable impurity concentrations.	ation of the che	mical substar		0.07	Doped Silicon (mg) Total			
in a chemical substance is absent from the list above, the chemical acorporated's knowledge and belief as of the date of this document of below the threshold of regulatory concern for any regulatory so folding compounds used by Microchip meet the UL94 V0 flammab	substance is NOT an it, there is no credible theme world-wide. ility standard for plas- ics/	intentional ingredient in the semiconductor device and, to reason to believe that the unavoidable impurity concentration. You can access the UL iQTM family of databases to constitute.	ation of the che	mical substar	nce, if any, is	0.07	· ·	Total	100.00	
a chemical substance is absent from the list above, the chemical acorporated's knowledge and belief as of the date of this document of below the threshold of regulatory concern for any regulatory so folding compounds used by Microchip meet the UL94 V0 flammab http://ul.com/global/eng/pages/offerings/industries/chemicals/plastifche protective "tubes" in which the specific product is shipped are	substance is NOT an t, there is no credible theme world-wide. iiity standard for plas ics/ made from polyvinyl t form concerning sub knowledge and belief n compiled based on is some information ma t the average weight t	intentional ingredient in the semiconductor device and, to reason to believe that the unavoidable impurity concentratics. You can access the UL iQTM family of databases to chloride (PVC) plastic. "Window envelopes" used to hold estances restricted by RoHS in Microchip Technology Inco., as of the date listed in this form. Microchip Technology the ranges provided in Material Safety Data Sheets provided by subcontract assemblers and anticipated significant toxic metals components. These	ation of the che obtain a test rep the packing sli orporated's sen incorporated ca ed by raw mate d raw material s	emical substar port at p on the outer niconductor de ninnot guarante rial suppliers. uppliers. Info	r box and evices in ee the Supplier rmation is	0.07	(mg) Total	Total Wire Bond	100.00 % of Total Weight	0.43
is a chemical substance is absent from the list above, the chemical incorporated's knowledge and belief as of the date of this document to below the threshold of regulatory concern for any regulatory so folding compounds used by Microchip meet the UL94 V0 flammab http://ul.com/global/eng/pages/offerings/industries/chemicals/plastifice protective "tubes" in which the specific product is shipped are retain "reels" may be made from PVC plastic. Microchip Technology Incorporated believes the information in this heir original packing materials is true and correct to the best of its ompleteness and accuracy of data in this form because it has been formation is often protected from disclosure as trade secrets and rovided only as estimates of the average weight of these parts and	substance is NOT an t, there is no credible theme world-wide. ility standard for plas- ics/ made from polyvinyl form concerning sub- knowledge and belief n compiled based on a some information ma d the average weight of the vices (silicon IC) in , express or implied, y	intentional ingredient in the semiconductor device and, to reason to believe that the unavoidable impurity concentratics. You can access the UL iQTM family of databases to chloride (PVC) plastic. "Window envelopes" used to hold estances restricted by RoHS in Microchip Technology Income as of the date listed in this form. Microchip Technology is the ranges provided in Material Safety Data Sheets providely not have been provided by subcontract assemblers and fanticipated significant toxic metals components. These the finished parts.	obtain a test rep the packing sli proporated's sen incorporated ca ed by raw mate d raw material s estimates do n	p on the outer iconductor di innot guaranterial suppliers. Info oot include trai	r box and evices in ee the Supplier rmation is ce levels of	0.07	(mg) Total	Wire Bond	100.00 % of Total Weight	0.43
a chemical substance is absent from the list above, the chemical acorporated's knowledge and belief as of the date of this document of below the threshold of regulatory concern for any regulatory scholding compounds used by Microchip meet the UL94 V0 flammabittp://ul.com/global/eng/pages/offerings/industries/chemicals/plastitp//ul.com/global/eng/pages/offerings/industries/chemicals/plastitp/protective "tubes" in which the specific product is shipped are ertain "reels" may be made from PVC plastic. flicrochip Technology Incorporated believes the information in this heir original packing materials is true and correct to the best of its ompleteness and accuracy of data in this form because it has been formation is often protected from disclosure as trade secrets and rovided only as estimates of the average weight of these parts and lopants, metals, and non-metal materials contained within silicon of the first provided by Microchip Technology Incorporated and its	substance is NOT an it, there is no credible theme world-wide. illity standard for plas ics/ made from polyvinyl if form concerning sub knowledge and belief n compiled based on its some information me d the average weight of levices (silicon IC) in , express or implied, it subsidiaries are conti	intentional ingredient in the semiconductor device and, to reason to believe that the unavoidable impurity concentrations. You can access the UL iQTM family of databases to conclude (PVC) plastic. "Window envelopes" used to hold obstances restricted by RoHS in Microchip Technology Inco., as of the date listed in this form. Microchip Technology Inco., as of the date listed in this form. Microchip Technology Inco., as of the date listed in this form. Microchip Technology Inco., as of the date listed in this form. Microchip Technology Inco., as of the date listed in this form. Microchip Technology Inco., as of the date listed in this form. Microchip Technology Inco., as of the date listed in this form. Microchip and the finished parts. With respect to the information provided in this declaration ained in Microchip's standard terms and conditions of sall peclarations and shall not be liable for any damages, direct	ation of the che obtain a test rep the packing sli orporated's sen incorporated ca ed by raw mate f raw material s estimates do n The exclusive e. These are pro- et or indirect, co	port at p on the outer niconductor dunnot guarante riuppliers. Info ot include tra- e, limited prod ovided in Micr	r box and evices in ee the Supplier rmation is ce levels of		(mg) Total Doped Gold	Wire Bond 7440-57-5 Total Plating on external leads (pins) - Matte Tin/ annealed at 150°C for 1	100.00 % of Total Weight 100.00 100.00	0.43

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