Compliant with IEC 62474/ D9.00

MICROCHIP Semiconductor Device	(A7X) 008 DFN 3x3 mm Matte 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	
	·	"Contained In"	% Total			12.20	(mg) Total	Mold Compound	% ot Total Weight	51.24
Basic Substance	CAS Number	Sub-Component	Weight	mg/part	ppm			·		
Silica, fused Epoxy Resin (NLP # 500-033-5)	60676-86-0 Trade Secret	Mold Compound Mold Compound	46.116 2.485	10.976 0.591	461,160 24,851	F	Silica, fused y Resin (NLP # 500-033-5)	60676-86-0 Trade Secret	90.00 4.85	
Phenolic Resin	Trade Secret	Mold Compound	2.485	0.591	24,851	Epox	Phenolic Resin	Trade Secret	4.85	
Carbon Black	1333-86-4	Mold Compound	0.154	0.037	1.537		Carbon Black	1333-86-4	0.30	
Copper	7440-50-8	Lead Frame	38.576	9.181	385,763			Total	100.00	
Tin	7440-31-5	Lead Frame	0.099	0.024	990	9.42	(mg) Total	Lead Frame	% of Total Weight	39.6
Silver	7440-22-4	Lead Frame	0.754	0.180	7,544		Copper	7440-50-8	97.42	
Zinc	7440-66-6	Lead Frame	0.071	0.017	713		Tin	7440-31-5	0.25	
Chromium	7440-47-3	Lead Frame	0.099	0.024	990		Silver	7440-22-4	1.91	
Silver	7440-22-4	Die Attach	0.733	0.175	7,332		Zinc	7440-66-6	0.18	
Acrylate resins Proprietary	Trade Secret	Die Attach	0.169	0.040	1,692		Chromium	7440-47-3	0.25	
Treated silica	Trade Secret	Die Attach	0.019	0.004	188			Total	100.00	
Heterocyclic organic compound	Trade Secret	Die Attach	0.019	0.004	188	0.22	(mg) Total	Die Attach	% of Total Weight	0.94
Silicon	7440-21-3	Chip (Die)	3.610	0.859	36,100		Silver	7440-22-4	78.00	
Gold	7440-57-5	Wire Bond	1.470	0.350	14,700		Acrylate resins Proprietary	Trade Secret	18.00	
Tin	7440-31-5	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour	3.140	0.747	31,400		Treated silica	Trade Secret	2.00	
		TOTALS:	100.000	23.800	1,000,000	Hete	rocyclic organic compound	Trade Secret Total	2.00 100.00	
					,	0.86	Total (mg)	Chip (Die)	% of Total Weight	3.61
orporated's knowledge and belief as of the date of this do,, is not below the threshold of regulatory concern for an Iding compounds used by Microchip meet the UL94 V0 fl p://ul.com/global/eng/pages/offerings/industries/chemica	temption (zero) via internal design control temical substance is NOT ocument, there is no credi y regulatory scheme work fammability standard for p Is/plastics/	ls, supplier declarations, and /or analytical test data. an intentional ingredient in the semiconductor device and ble reason to believe that the unavoidable impurity concer	, to the best of ntration of the o obtain a test	Microchip Tec chemical subs report at	chnology stance, if	0.35	Doped Silicon (mg) Total	7440-21-3 Total Wire Bond	100.00 100.00 % of Total Weight	1.47
5) and 2002/53/EC (End-of-Life Vehicles (ELV) without ex impliance with the above EU Directives has been verified chemical substance is absent from the list above, the chorporated's knowledge and belief as of the date of this do it, is not below the threshold of regulatory concern for an idling compounds used by Microchip meet the UL94 V0 flp://ul.com/global/eng/pages/offerings/industries/chemicate protective "tubes" in which the specific product is ship tain "reels" may be made from PVC plastic. Prochip Technology Incorporated believes the information ir original packing materials is true and correct to the best in the protected from disclosure as trade secretariation is often protected from disclosure as trade secretariation is often protected from disclosure as trade secretariation is often protected from disclosure as trade secretariation.	remption (zero) via internal design contro via internal design contro via internal design contro via internal substance is NOT ocument, there is no credi y regulatory scheme work ammability standard for p ls/plastics/ ped are made from polyvia n in this form concerning st of its knowledge and be nas been compiled based i vets and some information arts and the average weig	is, supplier declarations, and /or analytical test data. an intentional ingredient in the semiconductor device and ble reason to believe that the unavoidable impurity conceit-wide. lastics. You can access the UL iQTM family of databases to a lastics. You can access the UL iQTM family of databases to a lastics. You can access the UL iQTM family of databases to a lastics. You can access the UL iQTM family of databases to a lastic in the lastic in this form. Microchip Technology In the same that is the date listed in this form. Microchip Technologon the ranges provided in Material Safety Data Sheets promay not have been provided by subcontract assemblers in the of anticipated significant toxic metals components. The	to the best of ntration of the o obtain a test old the packing ncorporated's sy Incorporate vided by raw m and raw materi	Microchip Tec chemical subs report at g slip on the ou semiconducto d cannot guara auterial supplie al suppliers. Ir	chnology stance, if uter box and r devices in intee the ers. Supplier iformation is		Doped Silicon	7440-21-3 Total	100.00	
5) and 2002/53/EC (End-of-Life Vehicles (ELV) without ex impliance with the above EU Directives has been verified chemical substance is absent from the list above, the chorporated's knowledge and belief as of the date of this do, is not below the threshold of regulatory concern for an idding compounds used by Microchip meet the UL94 V0 flp://ul.com/global/eng/pages/offerings/industries/chemica protective "tubes" in which the specific product is ship tain "reels" may be made from PVC plastic. Prochip Technology Incorporated believes the information ir original packing materials is true and correct to the beingleteness and accuracy of data in this form because it promation is often protected from disclosure as trade secretided only as estimates of the average weight of these polopants, metals, and non-metal materials contained with excepting Technology Incorporated does not provide any westers of the provide and	via internal design control via internal design control emical substance is NOT occument, there is no credi y regulatory scheme work ammability standard for p Is/plastics/ ped are made from polyvia n in this form concerning st of its knowledge and be as been compiled based of ets and some informatic arranty, express or implie	is, supplier declarations, and /or analytical test data. an intentional ingredient in the semiconductor device and ble reason to believe that the unavoidable impurity conceit-wide. lastics. You can access the UL iQTM family of databases to a lastics. You can access the UL iQTM family of databases to a lastics. You can access the UL iQTM family of databases to a lastics. You can access the UL iQTM family of databases to a lastic in the lastic in this form. Microchip Technology In the same that is the date listed in this form. Microchip Technologon the ranges provided in Material Safety Data Sheets promay not have been provided by subcontract assemblers in the of anticipated significant toxic metals components. The	to the best of ntration of the o obtain a test old the packing ncorporated's tylencorporated by raw mand raw mater is e estimates coion. The exclusion of the column of th	Microchip Tec chemical subs report at g slip on the ou semiconducto d cannot guara aterial supplie al suppliers. Ir lo not include sive, limited pi	chnology ctance, if uter box and r devices in intee the rrs. Supplier formation is trace levels		Doped Silicon (mg) Total	7440-21-3 Total Wire Bond 7440-57-5	100.00 100.00 % of Total Weight	
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