Compliant with IEC 62474/ D9.00

AICROCHIP Semiconductor Device Type:	056 VQFN 7x7x0.9 Matte Tin	Termination Base Alloy: Copper Alloy (Cu) OFN 7x7x0.9 Matte Tin			Package Homogeneous Materials				J-STD-609A Product Marking and/or Pkg. Labeling e3	
·	TYB	"Contained In"	% Total			70.10	(mg) Total	Mold Compound	% ot Total Weight	47.82
Basic Substance	CAS Number	Sub-Component	Weight	mg/part	ppm	7 61.16	, 0,			41.02
Silica, vitreous (or fused)	60676-86-0	Mold Compound	40.647	59.589	406,470		Silica, vitreous (or fused)	60676-86-0	85.00	
Epoxy Resin	Trade Secret	Mold Compound	4.160	6.099	41,603		Epoxy Resin	Trade Secret	8.70	
Phenolic Resin	Trade Secret	Mold Compound	2.869	4.206	28,692	1	Phenolic Resin	Trade Secret	6.00	
Carbon Black	1333-86-4	Mold Compound	0.143	0.210	1,435		Carbon Black	1333-86-4	0.30	
Copper	7440-50-8	Lead Frame	45.425	66.592	454,246			Total	100.00	
Silver	7440-22-4	Lead Frame	0.888	1.302	8,883	68.36	(mg) Total	Lead Frame	% of Total Weight	46.63
Tin	7440-31-5	Lead Frame	0.117	0.171	1,166		Copper	7440-50-8	97.42	
Chromium	7440-47-3	Lead Frame	0.117	0.171	1,166	1	Silver	7440-22-4	1.91	
Zinc	7440-66-6	Lead Frame	0.084	0.123	839		Tin	7440-31-5	0.25	
Silver	7440-22-4	Die Attach	0.456	0.668	4,560		Chromium	7440-47-3	0.25	
Epoxy resin	0	Die Attach	0.094	0.138	941		Zinc	7440-66-6	0.18	
Silicon	7440-21-3	Dual Chip (Die)	2.100	3.079	21,000			Total	100.00	
Copper	7440-50-8	Wire Bond Copper palladium coated (CuPdAu)	0.930	1.363	9,301	0.81	(mg) Total	Die Attach	% of Total Weight	0.55
Palladium	7440-05-3	Wire Bond Copper palladium coated (CuPdAu)	0.019	0.028	190		Silver	7440-22-4	82.90	
Gold	7440-57-5	Wire Bond Copper palladium coated (CuPdAu)	0.001	0.001	10		Epoxy resin		17.10	
Tin	7440-31-5	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour	1.950	2.859	19,500	1		Total	100.00	,
		TOTALS:	100.000	146.600	1,000,000	3.08			% of Total Weight	2.10
		IUIALS:	100.000	1-0.000	1,000,000	3.00	Total (mg)	Dual Chip (Die)	% or rotal weight	
s semiconductor device and its homogenous materials comply w	ith EU Directives	g Total Mass s: 2002/95/EC (27 January 2003) & Directive 2011/65/EU (08				3.00	Total (mg) Doped Silicon	7440-21-3 Total	100 100.00	2.10
5) and 2000/53/EC and 2016/774/EU (End-of-Life Vehicles (ELV) w npliance with the above EU Directives has been verified via intern	ith EU Directives thout exemption al design contro	is g Total Mass s: 2002/95/EC (27 January 2003) & Directive 2011/65/EU (08 n (zero) ols, supplier declarations, and /or analytical test data.	June 2011) ar	nd 2015/863/EU	J (31 March	1.39	Doped Silicon (mg) Total	7440-21-3 Total Wire Bond	100 100.00 % of Total Weight	0.95
5) and 2000/53/EC and 2016/774/EU (End-of-Life Vehicles (ELV) w npliance with the above EU Directives has been verified via interichemical substance is absent from the list above, the chemical s ding compounds used by Microchip meet the UL94 V0 flammabil	ith EU Directives thout exemption nal design contro ubstance is NOT	is g Total Mass s: 2002/95/EC (27 January 2003) & Directive 2011/65/EU (08 of (zero) ols, supplier declarations, and /or analytical test data. an intentional ingredient in the semiconductor device and,	June 2011) ar	nd 2015/863/EU Microchip Tec	J (31 March		Doped Silicon	7440-21-3 Total	100	
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CuPdAu 15:25 : 1/20/2020