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

MICROCHIP Semiconductor Device Type: EKE / TV (W9X) 048 TSOP 12x20mm Matte Tin				Termination Base Alloy: Copper Alloy (Cu)			Package Homogeneous Materials: 8.1 Electronics (e.g. pc boards, displays)			
Paris Outstand	242.8	"Contained In" Sub-Component	% Total Weight			377.31	(mg) Total	Mold Compound	% ot Total Weight	66.84
Basic Substance Silica, vitreous (or fused)	CAS Number 60676-86-0	Mold Compound	56.814	mg/part 320.715	ppm 568,140		[OT: 12 / 6 D	20072.00.0	25.00	
Epoxy Resin	Trade Secret	Mold Compound	5.815	32.826	58,151		Silica, vitreous (or fused) Epoxy Resin	60676-86-0 Trade Secret	85.00 8.70	
Phenolic Resin	Trade Secret	Mold Compound	4.010	22.639	40,104		Phenolic Resin	Trade Secret	6.00	
Carbon Black	1333-86-4	Mold Compound	0.201	1.132	2.005		Carbon Black	1333-86-4	0.30	
Copper	7440-50-8	Lead Frame	26.982	152.312	269,818			Total	100.00	
Nickel	7440-02-0	Lead Frame	0.720	4.062	7,196	159.92	(mg) Total	Lead Frame	% of Total Weight	28.33
Silicon	7440-21-3	Lead Frame	0.127	0.720	1,275		Copper	7440-50-8	95.24	
Magnesium	7439-95-4	Lead Frame	0.028	0.160	283		Nickel	7440-02-0	2.54	
Silver	7440-22-4	Lead Frame	0.473	2.669	4,728		Silicon	7440-21-3	0.45	
Silver	7440-22-4	Die Attach	0.304	1.716	3,040		Magnesium	7439-95-4	0.10	
Epoxy Resin	Trade Secret	Die Attach	0.065	0.365	646		Silver	7440-22-4	1.67	
Copper	7440-50-8	Die Attach	0.011	0.064	114			Total		
Silicon	7440-21-3	Chip (Die)	1.380	7.790	13,800	2.15	(mg) Total	Die Attach	% of Total Weight	0.38
Doped Gold	7440-57-5	Wire Bond	0.320	1.806	3,200		Silver	7440-22-4	80.00	
Tin	7440-31-5	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour	2.750	15.524	27,500		Epoxy Resin	Trade Secret	17.00	
		TOTALS:	100.000	564.500	1,000,000		Copper	7440-50-8	3.00	
s semiconductor device and its homogenous materials con the 2015) and 2002/53/EC (End-of-Life Vehicles (ELV) without apliance with the above EU Directives has been verified via	mply with EU Directives: 20 out exemption (zero) a internal design controls,	supplier declarations, and /or analytical test data.		,	·	7.79	(mg) Total Silicon	Total Chip (Die) 7440-21-3 Total	% of Total Weight	1.38
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