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

MICROCHIP Semiconductor Device Type: J4A 10 UDFN 2x2x0.6mm NiPdAu			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 e4
Commondation Device Type.	1	"Contained In"	% Total							
Basic Substance	CAS Number	Sub-Component	Weight	mg/part	ppm	3.25	(mg) Total	Mold Compound	% ot Total Weight	52.38
Silica, fused	60676-86-0	Mold Compound	47.142	2.923	471,420		Silica, fused	60676-86-0	90.00	
Epoxy Resin	Trade Secret	Mold Compound	2.540	0.158	25,404		Epoxy Resin	Trade Secret	4.85	
Phenolic Resin	Trade Secret	Mold Compound	2.540	0.158	25,404		Phenolic Resin	Trade Secret	4.85	
Carbon Black	1333-86-4	Mold Compound	0.157	0.010	1,571		Carbon Black	1333-86-4	0.30	
Copper	7440-50-8	Lead Frame	38.834	2.408	388,344			Total	100.00	
Iron	7439-89-6	Lead Frame	0.058	0.004	584	2.41	(mg) Total	Lead Frame	% of Total Weight	38.92
Phosphorous	7723-14-0	Lead Frame	0.016	0.001	156		Copper	7440-50-8	99.78	
Zinc (Metal)	7440-66-6	Lead Frame	0.012	0.001	117		Iron	7439-89-6	0.15	
Silver	7440-22-4	Die Attach	0.624	0.039	6,237		Phosphorous	7723-14-0	0.04	
Epoxy resin	68475-94-5	Die Attach	0.162	0.010	1,620		Zinc (Metal)	7440-66-6	0.03	
Copper(II) oxide	1317-38-0	Die Attach	0.024	0.002	243			Total	100.00	
Silicon	7440-21-3	Chip (Die)	4.820	0.299	48,200	0.05	(mg) Total	Die Attach	% of Total Weight	0.81
Gold	7440-57-5	Wire Bond	0.190	0.012	1,900		Silver	7440-22-4	77.00	
Nickel	7440-02-0	Plating on external leads (pins)	2.657	0.165	26,568		Epoxy resin	68475-94-5	20.00	
Palladium	7440-05-3	Plating on external leads (pins)	0.215	0.013	2,146 86		Copper(II) oxide	1317-38-0	3.00	
								Total	100.00	
Gold	7440-57-5	Plating on external leads (pins)	0.009	0.001						
Gold	•	TOTALS:	100.000	6.200	1,000,000	0.30	Total (mg)	Chip (Die)	% of Total Weight	4.82
niconductor device and its homogenous mate 3/EU (31 March 2015) and 2002/53/EC (End-of-	0.0062 ials comply with Life Vehicles (EL	TOTALS: g Total Mass EU Directives: 2002/95/EC (27 January 2003) & I /) without exemption (zero)	100.000 Directive 2011/6	6.200 5/EU (08 June	1,000,000		Doped Silicon	Chip (Die) 7440-21-3 Total	% of Total Weight 100.00 100.00	
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miconductor device and its homogenous mate 3/EU (31 March 2015) and 2002/53/EC (End-of- ince with the above EU Directives has been ve mical substance is absent from the list above, ip Technology Incorporated's knowledge and	0.0062 ials comply with Life Vehicles (EL' rified via internal the chemical sub-	TOTALS: g Total Mass EU Directives: 2002/95/EC (27 January 2003) & I /) without exemption (zero) design controls, supplier declarations, and /or an	100.000 Directive 2011/6 halytical test dat niconductor develoe that the	6.200 5/EU (08 June a. vice and, to the he unavoidable	1,000,000		Doped Silicon	Chip (Die) 7440-21-3 Total	% of Total Weight 100.00 100.00	
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