

Material Content Data Sheet								
Sales Product Name	IM06B15AC1			**Issued**		04. September 2024		
MA#	MA006039848							
Package	PG-MDIP-24-81			**Weight:**		6957.13 mg		
Construction Element	**Material group**	Materials	**CAS if applicable**	**Weight [mg]**	**Average mass [%]**	**Sum [%]**	**Average mass [ppm]**	**Sum [ppm]**
chip_01	inorganic material	silicon	7440-21-3	1.077	0.02	0.02	155	155
chip_02	inorganic material	silicon	7440-21-3	1.077	0.02	0.02	155	155
chip_03	inorganic material	silicon	7440-21-3	1.077	0.02	0.02	155	155
chip_04	inorganic material	silicon	7440-21-3	1.077	0.02	0.02	155	155
chip_05	inorganic material	silicon	7440-21-3	1.077	0.02	0.02	155	155
chip_06	inorganic material	silicon	7440-21-3	1.077	0.02	0.02	155	155
chip_07	inorganic material	silicon	7440-21-3	0.534	0.01	0.01	77	77
chip_08	inorganic material	silicon	7440-21-3	0.534	0.01	0.01	77	77
chip_09	inorganic material	silicon	7440-21-3	0.534	0.01	0.01	77	77
chip_10	inorganic material	silicon	7440-21-3	0.534	0.01	0.01	77	77
chip_11	inorganic material	silicon	7440-21-3	0.534	0.01	0.01	77	77
chip_12	inorganic material	silicon	7440-21-3	0.534	0.01	0.01	77	77
chip_13	inorganic material	silicon	7440-21-3	3.460	0.05	0.05	497	497
leadframe	inorganic material	phosphorus	7723-14-0	0.739	0.01		106	
	non noble metal	iron	7439-89-6	2.465	0.04		354	
	non noble metal	copper	7440-50-8	2461.315	35.38	35.43	353782	354242
wire	noble metal	gold	7440-57-5	0.507	0.01		73	
	non noble metal	aluminium	7429-90-5	27.232	0.39	0.40	3914	3987
encapsulation	organic material	carbon black	1333-86-4	8.303	0.12		1193	
	miscellaneous	miscellaneous	-	20.757	0.30		2984	
	inorganic material	boehmite	1318-23-6	166.054	2.39		23868	
	organic material	phenol formaldehyde resin	9003-35-4	170.205	2.45		24465	
	plastics	phenyl glycidyl ether/ dicyclopentadiene	119345-05-0	170.205	2.45		24465	
	plastics	epoxy resin	29690-82-2	253.232	3.64		36399	
	inorganic material	silicondioxide	14808-60-7	3362.584	48.27	59.62	483326	596700
leadfinish	non noble metal	tin	7440-31-5	44.511	0.64	0.64	6398	6398
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.183			26	27
solder	non noble metal	antimony	7440-36-0	0.257			37	
	noble metal	silver	7440-22-4	0.643	0.01		92	
	non noble metal	tin	7440-31-5	1.671	0.02	0.03	240	369
glue	inorganic material	silicondioxide	60676-86-0	0.206			30	

	plastics	epoxy resin	-	0.309			44	
	plastics	acrylic resin	-	0.354	0.01		51	
	plastics	maleimide resin	-	0.354	0.01		51	
	noble metal	silver	7440-22-4	1.063	0.02	0.04	153	329
smd	inorganic material	silicondioxide	60676-86-0	0.003			1	
	noble metal	gold	7440-57-5	0.012			2	
	noble metal	palladium	7440-05-3	0.019			3	
	organic material	ethyl cellulose	9004-57-3	0.024			3	
	noble metal	silver	7440-22-4	0.030			4	
	organic material	DEGBE	112-34-5	0.105			15	
	inorganic material	cobalt(II)oxide	1307-96-6	0.200			29	
	inorganic material	copperoxide	1317-38-0	0.576	0.01		83	
	inorganic material	manganesedioxide	1313-13-9	0.658	0.01	0.02	95	235
pcb metal	non noble metal	copper	7440-50-8	12.931	0.19	0.19	1859	1859
pcb plastic	plastics	epoxy resin	-	105.493	1.52		15163	
	inorganic material	glass fibre wool	65997-17-3	128.936	1.85	3.37	18533	33696
pcb plating	noble metal	gold	7440-57-5	0.040			6	
	non noble metal	nickel	7440-02-0	1.827	0.03	0.03	263	269
deviation	< 10%				Sum in total:	100.00		1000000

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