

Material Content Data Sheet								
Sales Product Name	AIM12S25EB1			**Issued**		09. July 2025		
MA#	MA006141684							
Package	PG-MDIP-24-64			**Weight:**		7156.21 mg		
Construction Element	**Material group**	Materials	**CAS if applicable**	**Weight [mg]**	**Average mass [%]**	**Sum [%]**	**Average mass [ppm]**	**Sum [ppm]**
chip_1	inorganic material	silicon	7440-21-3	7.056	0.10	0.10	986	986
chip_2	inorganic material	siliconcarbide	409-21-2	4.077	0.06	0.06	570	570
chip_3	inorganic material	siliconcarbide	409-21-2	4.077	0.06	0.06	570	570
chip_4	inorganic material	siliconcarbide	409-21-2	4.077	0.06	0.06	570	570
chip_5	inorganic material	siliconcarbide	409-21-2	4.077	0.06	0.06	570	570
chip_6	inorganic material	siliconcarbide	409-21-2	4.077	0.06	0.06	570	570
chip_7	inorganic material	siliconcarbide	409-21-2	4.077	0.06	0.06	570	570
leadframe	inorganic material	phosphorus	7723-14-0	0.383	0.01		53	
	non noble metal	iron	7439-89-6	1.276	0.02		178	
	non noble metal	copper	7440-50-8	1274.200	17.81	17.84	178055	178286
wire	noble metal	gold	7440-57-5	0.609	0.01		85	
	non noble metal	aluminium	7429-90-5	51.048	0.71	0.72	7133	7218
encapsulation	organic material	carbon black	1333-86-4	30.366	0.42		4243	
	plastics	epoxy resin	-	379.572	5.30		53041	
	inorganic material	silicondioxide	60676-86-0	3385.780	47.28	53.00	473125	530409
leadfinish	non noble metal	tin	7440-31-5	41.241	0.58	0.58	5763	5763
plating	non noble metal	nickel	7440-02-0	5.991	0.08	0.08	837	837
solder	non noble metal	antimony	7440-36-0	0.534	0.01		75	
	noble metal	silver	7440-22-4	1.335	0.02		187	
	non noble metal	tin	7440-31-5	3.472	0.05	0.08	485	747
glue	organic material	ethene, 1,1,2,2-tetrafluoro-	925918-64-5	0.010			1	
	plastics	acrylic resin	-	0.256			36	
	plastics	maleimide resin	-	0.257			36	
	inorganic material	silicondioxide	60676-86-0	0.356			50	
	plastics	epoxy resin	-	0.525	0.01		73	
	noble metal	silver	7440-22-4	0.770	0.01	0.02	108	304
smd	inorganic material	silicondioxide	60676-86-0	0.002			1	
	noble metal	gold	7440-57-5	0.008			1	
	noble metal	palladium	7440-05-3	0.013			2	
	organic material	ethyl cellulose	9004-57-3	0.016			2	
	noble metal	silver	7440-22-4	0.021			3	
	organic material	DEGBE	112-34-5	0.071			10	
	inorganic material	cobalt(II)oxide	1307-96-6	0.136			19	

	inorganic material	copperoxide	1317-38-0	0.390	0.01		54	
	inorganic material	manganesedioxide	1313-13-9	0.446	0.01	0.02	62	154
pcb metal	non noble metal	copper	7440-50-8	13.571	0.19	0.19	1896	1896
pcb plastic	miscellaneous	miscellaneous	-	26.373	0.37		3685	
	inorganic material	silicondioxide	60676-86-0	42.196	0.59		5896	
	organic material	Poly[phenylglycidylether-coformaldehyde]	28064-14-4	50.108	0.70		7002	
	inorganic material	glass fibre	-	145.050	2.03	3.69	20269	36852
pcb plating	noble metal	gold	7440-57-5	0.042			6	
	non noble metal	nickel	7440-02-0	1.898	0.03	0.03	265	271
dcb ceramic	inorganic material	zirconium dioxide	1314-23-4	5.122	0.07		716	
	inorganic material	aluminum nitride	24304-00-5	454.293	6.35	6.42	63482	64198
dcb metal	non noble metal	copper	7440-50-8	1206.956	16.87	16.87	168659	168659
deviation	< 10%				Sum in total:	100.00		1000000

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