

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD90P03P4-04	**Issued**	24. February 2022
MA#	MA005709162		
Package	PG-TO252-3-11	**Weight***	373.09 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	4.029	1.08	1.08	10798	10798
leadframe	inorganic material	phosphorus	7723-14-0	0.065	0.02		173	
	non noble metal	iron	7439-89-6	0.215	0.06		577	
	non noble metal	copper	7440-50-8	215.017	57.63	57.71	576318	577068
wire	non noble metal	aluminium	7429-90-5	6.010	1.61	1.61	16108	16108
encapsulation	inorganic material	zincoxide	1314-13-2	1.215	0.33		3256	
	miscellaneous	miscellaneous	-	6.074	1.63		16282	
	plastics	epoxy resin	-	18.223	4.88		48845	
	inorganic material	silicondioxide	60676-86-0	95.976	25.72	32.56	257248	325631
leadfinish	non noble metal	tin	7440-31-5	3.740	1.00	1.00	10025	10025
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.091	0.02	0.02	243	244
solder	non noble metal	tin	7440-31-5	0.065	0.02		173	
	noble metal	silver	7440-22-4	0.081	0.02		216	
	non noble metal	lead	7439-92-1	3.085	0.83	0.87	8269	8658
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			15	
	non noble metal	iron	7439-89-6	0.019	0.01		51	
	non noble metal	copper	7440-50-8	19.177	5.14	5.15	51402	51468
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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