

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPI90R1K2C3	**Issued**	31. March 2021
MA#	MA001135346		
Package	PG-TO262-3-22	**Weight***	1563.87 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	4.798	0.31	0.31	3068	3068
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		544	
	non noble metal	copper	7440-50-8	849.682	54.34	54.41	543320	544027
wire	non noble metal	aluminium	7429-90-5	0.697	0.04	0.04	445	445
encapsulation	organic material	carbon black	1333-86-4	2.327	0.15		1488	
	plastics	epoxy resin	-	67.473	4.31		43145	
	inorganic material	silicondioxide	60676-86-0	511.865	32.73	37.19	327307	371940
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9718	9718
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1056	1056
solder	non noble metal	antimony	7440-36-0	0.273	0.02		174	
	noble metal	silver	7440-22-4	0.681	0.04		436	
	non noble metal	tin	7440-31-5	1.772	0.11	0.17	1133	1743
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.79	6.80	67915	68003
*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.
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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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