



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IR38363MTRPBF	<b>Issued</b>	24. June 2021
<b>MA#</b>	MA001688602		
<b>Package</b>	PG-IQFN-34-900	<b>Weight*</b>	115.24 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	1.349	1.17	1.17	11703	11703
leadframe	inorganic material	phosphorus	7723-14-0	0.013	0.01		113	
	non noble metal	zinc	7440-66-6	0.052	0.05		452	
	non noble metal	iron	7439-89-6	1.043	0.90		9047	
	non noble metal	copper	7440-50-8	42.333	36.73	37.69	367345	376957
wire	noble metal	gold	7440-57-5	0.504	0.44	0.44	4376	4376
encapsulation	organic material	carbon black	1333-86-4	0.111	0.10		963	
	plastics	epoxy resin	-	5.713	4.96		49573	
	inorganic material	silicondioxide	60676-86-0	49.640	43.09	48.15	430753	481289
leadfinish	noble metal	palladium	7440-05-3	0.001			12	
	noble metal	gold	7440-57-5	0.002			19	
	non noble metal	nickel	7440-02-0	0.041	0.04	0.04	354	385
plating	noble metal	palladium	7440-05-3	0.001			12	
	noble metal	gold	7440-57-5	0.002			20	
	non noble metal	nickel	7440-02-0	0.042	0.04		366	
	noble metal	silver	7440-22-4	0.604	0.52	0.56	5240	5638
solder	noble metal	silver	7440-22-4	0.051	0.04		440	
	non noble metal	tin	7440-31-5	0.101	0.09		880	
	non noble metal	lead	7439-92-1	1.877	1.63	1.76	16284	17604
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.004			31	
	non noble metal	zinc	7440-66-6	0.014	0.01		122	
	non noble metal	iron	7439-89-6	0.282	0.24		2449	
	non noble metal	copper	7440-50-8	11.460	9.94	10.19	99446	102048
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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