

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	PASCO2V15	**Issued**	04. July 2024
MA#	MA006046957		
Package	LG-MLGA-14-2	**Weight***	1215.29 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
PG-SOT23-3-5				9.43				
PG-LLGA-10-2				34.43				
PG-VQFN-24-19				42.43				
CG-LGA-5-1				76.65				
plating	noble metal	gold	7440-57-5	1.438	0.137	0.292	1366	2925
	non noble metal	nickel	7440-02-0	1.640	0.156		1558	
solder	non noble metal	copper	7440-50-8	0.021	0.002	0.396	20	3961
	noble metal	silver	7440-22-4	0.125	0.012		119	
	non noble metal	tin	7440-31-5	4.023	0.382		3823	
lid	inorganic material	sulfur	7704-34-9	0.005	0.000	48.655	5	486547
	organic material	carbon	7440-44-0	0.107	0.010		101	
	inorganic material	phosphorus	7723-14-0	0.158	0.015		150	
	organic material	nitrogen	7727-37-9	0.254	0.024		242	
	inorganic material	Silicone resin	-	0.285	0.027		271	
	organic material	polyimide	-	0.428	0.041		406	
	inorganic material	silicon	7440-21-3	2.257	0.214		2145	
	plastics	polytetrafluoroethylene	9002-84-0	3.006	0.286		2856	
	inorganic material	manganese	-	5.795	0.551		5506	
	non noble metal	molybdenum	7439-98-7	10.318	0.981		9805	
	non noble metal	nickel	7440-02-0	51.338	4.878		48784	
	non noble metal	chromium	7440-47-3	84.886	8.066		80663	
	non noble metal	iron	7439-89-6	353.180	33.561		335612	
glue	miscellaneous	miscellaneous	-	0.102	0.010	0.322	97	3222
	organic material	decanedimethanol diacrylate	42594-17-2	0.237	0.023		226	
	plastics	acrylic resin	-	1.356	0.129		1289	
	plastics	epoxy resin	-	1.695	0.161		1611	
solder resists	plastics	epoxy resin	-	3.329	0.316	1.419	3164	14188
	inorganic material	bariumsulfate	7727-43-7	3.658	0.348		3476	
	plastics	acrylic resin	-	7.943	0.755		7548	
substrate metal	miscellaneous	miscellaneous	-	0.011	0.001	10.607	11	106069
	non noble metal	copper	7440-50-8	111.610	10.606		106058	
substrate plastic	organic material	polydimethylsiloxane	63148-62-9	0.224	0.021	0.532	213	5319
	organic material	epoxy resin	24969-06-0	2.239	0.213		2128	
	inorganic material	calciumcarbonate	471-34-1	3.135	0.298		2979	
smd materials	noble metal	palladium	7440-05-3	0.001	0.000	0.381	1	3807

	inorganic material	boronoxide	1303-86-2	0.009	0.001		8	
	inorganic material	glass frit Pb	65997-18-4	0.013	0.001		12	
	inorganic material	rutheniumdioxide	12036-10-1	0.016	0.002		16	
	inorganic material	magnesiumoxide	1309-48-4	0.051	0.005		49	
	miscellaneous	miscellaneous	-	0.053	0.005		51	
	inorganic material	amorphous silica	7631-86-9	0.073	0.007		69	
	inorganic material	silicondioxide	14808-60-7	0.077	0.007		73	
	noble metal	silver	7440-22-4	0.079	0.007		75	
	non noble metal	copper	7440-50-8	0.110	0.010		104	
	non noble metal	nickel	7440-02-0	0.279	0.027		265	
	inorganic material	titandioxide	13463-67-7	0.426	0.040		405	
	inorganic material	bariumoxide	1304-28-5	0.586	0.056		557	
	inorganic material	alumina	1344-28-1	2.234	0.212		2123	
smd surfaces	miscellaneous	miscellaneous	-	0.001	0.000	0.055	1	549
	inorganic material	glass frit	-	0.034	0.003		32	
	organic material	Bisphenol A Epoxy resin	25068-38-6	0.063	0.006		60	
	non noble metal	tin	7440-31-5	0.176	0.017		168	
	non noble metal	nickel	7440-02-0	0.304	0.029		289	
Copper Clad Laminate	non noble metal	copper	7440-50-8	35.367	3.361	37.341	33607	373414
	inorganic material	amorphous silica	7631-86-9	52.853	5.022		50224	
	plastics	epoxy resin	-	88.102	8.372		83719	
	inorganic material	glass fibre	-	216.639	20.586		205863	
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com



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RoHS | Halogen-Free

Sales Product Name	PASCO2V15	**Issued**	04. July 2024
MA#	MA006046957		
Package	PG-SOT23-3-5	**Weight***	9.43 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.004	0.047	2.996	468	29962
	noble metal	gold	7440-57-5	0.017	0.181		1814	
	inorganic material	silicon	7440-21-3	0.261	2.768		27679	
leadframe	inorganic material	silicon	7440-21-3	0.001	0.006	31.958	64	319583
	non noble metal	titanium	7440-32-6	0.003	0.032		320	
	non noble metal	chromium	7440-47-3	0.009	0.096		959	
	non noble metal	copper	7440-50-8	3.000	31.824		318241	
wire	non noble metal	copper	7440-50-8	0.084	0.896	0.896	8957	8957
encapsulation	organic material	carbon black	1333-86-4	0.056	0.595	59.546	5955	595459
	plastics	epoxy resin	-	1.207	12.802		128024	
	inorganic material	silicondioxide	60676-86-0	4.351	46.148		461481	
leadfinish	non noble metal	tin	7440-31-5	0.150	1.587	1.587	15872	15872
plating	noble metal	silver	7440-22-4	0.284	3.017	3.017	30167	30167
*deviation	< 10%				Sum in total:	100.00		1000000

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Sales Product Name	PASCO2V15	**Issued**	04. July 2024
MA#	MA006046957		
Package	PG-LLGA-10-2	**Weight***	34.43 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.299	0.868	0.868	8679	8679
chip_2	inorganic material	silicon	7440-21-3	3.365	9.771	9.771	97712	97712
wire	noble metal	gold	7440-57-5	0.032	0.093	0.093	933	933
encapsulation	inorganic material	silicondioxide	60676-86-0	0.036	0.104	1.042	1042	10421
	plastics	silicone resin	-	0.323	0.938		9379	
leadfinish	noble metal	gold	7440-57-5	0.106	0.308	0.660	3081	6596
	non noble metal	nickel	7440-02-0	0.121	0.351		3514	
plating	noble metal	gold	7440-57-5	0.014	0.040	0.085	397	849
	non noble metal	nickel	7440-02-0	0.016	0.045		452	
solder	non noble metal	antimony	7440-36-0	0.042	0.122	1.218	1218	12180
	non noble metal	tin	7440-31-5	0.377	1.096		10962	
lid	non noble metal	zinc	7440-66-6	5.705	16.569	47.340	165690	473400
	non noble metal	copper	7440-50-8	10.595	30.771		307710	
glue	organic material	carbon black	1333-86-4	0.000	0.001	1.792	7	17920
	inorganic material	silicondioxide	60676-86-0	0.020	0.057		569	
	organic material	oxirane	3101-60-8	0.028	0.082		824	
	organic material	dimethyl siloxane	67762-90-7	0.028	0.082		824	
	plastics	silicone	-	0.030	0.086		864	
	organic material	dicyandiamide	461-58-5	0.142	0.412		4120	
	plastics	epoxy resin	-	0.369	1.071		10712	
solder resists	organic material	phthalocyanine blue	147-14-8	0.001	0.002	1.533	23	15330
	inorganic material	amorphous silica	7631-86-9	0.005	0.014		138	
	miscellaneous	miscellaneous	-	0.012	0.036		360	
	inorganic material	magnesiumsilicate hydrated	14807-96-6	0.026	0.077		766	
	inorganic material	bariumsulfate	7727-43-7	0.158	0.460		4599	
	plastics	cured resin	-	0.325	0.944		9443	
substrate metal	non noble metal	copper	7440-50-8	8.083	23.473	23.473	234732	234732
substrate plastic	plastics	bismaleimide triazine resin	-	0.834	2.423	9.691	24226	96906
	inorganic material	aluminiumhydroxide	21645-51-2	0.918	2.665		26649	
	inorganic material	glass fibre	-	1.585	4.603		46030	
lid platings	noble metal	gold	7440-57-5	0.006	0.016	2.434	163	24344

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	inorganic material	phosphorus	7723-14-0	0.297	0.864		8637	
	non noble metal	nickel	7440-02-0	0.535	1.554		15544	
*deviation	< 10%				Sum in total:	100.00		1000000

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Sales Product Name	PASCO2V15	**Issued**	04. July 2024
MA#	MA006046957		
Package	PG-VQFN-24-19	**Weight***	42.43 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	1.634	3.852	3.852	38516	38516
leadframe	inorganic material	phosphorus	7723-14-0	0.005	0.012	41.561	125	415608
	non noble metal	zinc	7440-66-6	0.021	0.050		499	
	non noble metal	iron	7439-89-6	0.423	0.997		9975	
	non noble metal	copper	7440-50-8	17.185	40.501		405010	
wires	noble metal	palladium	7440-05-3	0.001	0.003	0.296	30	2958
	non noble metal	copper	7440-50-8	0.124	0.293		2929	
encapsulation	organic material	carbon black	1333-86-4	0.065	0.154	51.373	1541	513727
	plastics	epoxy resin	-	3.422	8.066		80655	
	inorganic material	silicondioxide	60676-86-0	18.310	43.153		431530	
leadfinish	noble metal	palladium	7440-05-3	0.000	0.000	0.655	4	6550
	noble metal	silver	7440-22-4	0.000	0.000		4	
	noble metal	gold	7440-57-5	0.000	0.001		6	
	non noble metal	nickel	7440-02-0	0.277	0.654		6536	
plating	noble metal	silver	7440-22-4	0.000	0.000	0.820	4	8204
	noble metal	palladium	7440-05-3	0.000	0.001		5	
	noble metal	gold	7440-57-5	0.000	0.001		8	
	non noble metal	nickel	7440-02-0	0.347	0.819		8187	
glue	plastics	bismaleimide resin	-	0.123	0.289	1.444	2887	14437
	noble metal	silver	7440-22-4	0.490	1.155		11549	
*deviation	< 10%				Sum in total:	100.00		1000000

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Sales Product Name	PASCO2V15	**Issued**	04. July 2024
MA#	MA006046957		
Package	CG-LGA-5-1	**Weight***	76.65 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	20.147	26.286	26.286	262860	262860
chip_2	inorganic material	silicon	7440-21-3	1.598	2.085	2.085	20854	20854
wire	noble metal	gold	7440-57-5	0.035	0.045	0.045	452	452
leadfinish	noble metal	gold	7440-57-5	0.292	0.381	0.815	3808	8151
	non noble metal	nickel	7440-02-0	0.333	0.434		4343	
plating	miscellaneous	miscellaneous	-			0.266		2664
	non noble metal	cobalt	7440-48-4	0.034	0.044		441	
	noble metal	gold	7440-57-5	0.037	0.048		478	
	non noble metal	nickel	7440-02-0	0.134	0.174		1745	
glue	miscellaneous	miscellaneous	-	0.000	0.001	5.500	5	54996
	inorganic material	titandioxide	13463-67-7	0.017	0.022		219	
	organic material	dimer acid diglycidyl ester	68475-94-5	0.101	0.131		1313	
	organic material	carbon black	1333-86-4	0.151	0.197		1970	
	inorganic material	silicondioxide	60676-86-0	0.412	0.537		5370	
	noble metal	silver	7440-22-4	0.574	0.749		7494	
	plastics	polytetrafluoroethylene	9002-84-0	1.107	1.445		14448	
	plastics	epoxy resin	-	1.853	2.418		24177	
substrate metal	non noble metal	molybdenum	7439-98-7	0.428	0.559	18.623	5587	186234
	non noble metal	tungsten	7440-33-7	13.846	18.065		180647	
substrate plastic	inorganic material	calciumoxide	1305-78-8	0.107	0.139	46.379	1391	463789
	inorganic material	magnesiumoxide	1309-48-4	0.178	0.232		2319	
	inorganic material	titandioxide	13463-67-7	0.355	0.464		4638	
	inorganic material	amorphous silica	7631-86-9	1.280	1.670		16696	
	inorganic material	chromiumoxide	1308-38-9	1.386	1.809		18088	
	inorganic material	alumina	1344-28-1	32.241	42.066		420656	
*deviation	< 10%				Sum in total:	100.00		1000000

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