



List of Component

No. PN001423 Rev.A

Date 2020/09/11

Item	Module
Part No.	BSM080D12P2C008
Product mass	269789.1 mg

Company Name	ROHM Co., Ltd.
Address	21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, Japan

No.	Part Name	Substance Name	CAS No.	Mass (mg)	Concentration (wt%)	Remark
1	Cu Base	Copper	7440-50-8	159,100.055031	99.69921	
2		Nickel	7440-02-0	480.008767	0.30079	
3	Direct Bonded Copper Substrate	Copper	7440-50-8	4,879.216810	65.66927	
4		Aluminium nitride	24304-00-5	2,192.414142	29.50765	
5		Silver	7440-22-4	327.847714	4.41264	
6		Yttrium-oxide	1314-36-9	29.002328	0.39023	
7		Titanium	7440-32-6	0.026979	0.00020	
8		Nickel	7440-02-0	1.483840	0.02001	
9	Adhesive	Poly alkyl alkenyl siloxane	-	500.000139	50.00000	
10		Silica	14808-60-7	399.989320	40.00000	
11		Poly alkyl hydrogen siloxane	-	49.991920	5.00000	
12		Amorphous silica	-	49.991920	5.00000	
13	Case	Filler	-	30,029.388375	43.52905	
14		Polyphenylsulfide	26125-40-6	12,656.508133	18.34620	
15		CarbonBlack	1333-86-4	210.246646	0.30475	
16		Iron	7439-89-6	8,760.025098	12.69809	
17		Chromium and Chromium Compounds(III)	-	56.062175	0.08127	
18		Copper	7440-50-8	17,127.614971	24.82731	
19		Nickel	7440-02-0	147.169954	0.21333	
20	Lid	Polyphenylsulfide	25212-74-2	2,770.140521	36.35364	
21		Glass fiber	65997-17-3	2,660.417294	34.91349	
22		Calcium carbonate	471-34-1	2,130.011923	27.95280	
23		CarbonBlack	1333-86-4	39.632019	0.52005	
24		Talc	14807-96-6	19.802520	0.26002	
25	Bonding wire	Aluminum	7429-90-5	1,409.998773	100.00000	
26	Silicone gel	Silicone Resin	-	20,000.005561	100.00000	
27	Die attach	Tin	7440-31-5	3,349.971255	91.78000	
28		Antimony	7440-36-0	100.010819	2.74000	
29		Copper	7440-50-8	29.919611	0.82000	
30		Silver	7440-22-4	170.102028	4.66000	
31	Die	Silicon carbide	409-21-2	64.992194	97.46025	
32	(Die)	Nickel	7440-02-0	0.431663	0.65993	

33		Silver	7440-22-4	0.269789	0.38996
34		Gold	7440-57-5	0.107916	0.16998
35		Titanium	7440-32-6	0.080937	0.12000
36		Aluminum	7429-90-5	0.809367	1.19988
37	Die	Silicon carbide	409-21-2	44.137497	97.38026
38		Nickel	7440-02-0	0.323747	0.68993
39		Silver	7440-22-4	0.188852	0.40996
40		Gold	7440-57-5	0.080937	0.16998
41		Titanium	7440-32-6	0.053958	0.11999
42		Aluminum	7429-90-5	0.566557	1.22988

Remarks

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