



List of Component

No. PN000563 Rev.A

Date 2020/09/11

Item	Module
Part No.	BSM180D12P3C007
Product mass	269863.8 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	159,100.038364	99.69921	
2		Nickel	7440-02-0	480.006741	0.30079	
3	Direct Bonded Copper Substrate	Copper	7440-50-8	4,879.218463	65.66927	
4		Aluminium nitride	24304-00-5	2,192.427484	29.50765	
5		Silver	7440-22-4	327.857531	4.41264	
6		Yttrium-oxide	1314-36-9	28.983372	0.39023	
7		Titanium	7440-32-6	0.026986	0.00020	
8		Nickel	7440-02-0	1.484251	0.02001	
9	Adhesive	Poly alkyl alkenyl siloxane	-	500.003649	50.00000	
10		Silica	14808-60-7	399.992124	40.00000	
11		Poly alkyl hydrogen siloxane	-	50.005762	5.00000	
12		Amorphous silica	-	50.005762	5.00000	
13	Case	Filler	-	30,029.391195	43.52905	
14		Polyphenylsulfide	26125-40-6	12,656.504274	18.34620	
15		CarbonBlack	1333-86-4	210.250887	0.30475	
16		Iron	7439-89-6	8,760.021825	12.69809	
17		Chromium and Chromium Compounds(III)	-	56.077698	0.08127	
18		Copper	7440-50-8	17,127.607713	24.82731	
19		Nickel	7440-02-0	147.156730	0.21333	
20	Lid	Polyphenylsulfide	25212-74-2	2,770.151907	36.35364	
21		Glass fiber	65997-17-3	2,660.398300	34.91349	
22		Calcium carbonate	471-34-1	2,130.007987	27.95280	
23		CarbonBlack	1333-86-4	39.616006	0.52005	
24		Talc	14807-96-6	19.808003	0.26002	
25	Bonding wire	Aluminum	7429-90-5	1,410.011369	100.00000	
26	Silicone gel	Silicone Resin	-	20,000.011014	100.00000	
27	Die attach	Tin	7440-31-5	3,349.954281	91.78000	
28		Antimony	7440-36-0	100.011524	2.74000	
29		Copper	7440-50-8	29.927895	0.82000	
30		Silver	7440-22-4	170.095153	4.66000	
31	Die	Silicon carbide	409-21-2	108.377302	97.46025	
32	(Die)	Nickel	7440-02-0	0.728632	0.65993	

33		Silver	7440-22-4	0.431782	0.38996
34		Gold	7440-57-5	0.188905	0.16998
35		Titanium	7440-32-6	0.134932	0.12000
36		Aluminum	7429-90-5	1.322333	1.19988
37	Die	Silicon carbide	409-21-2	73.591858	97.38026
38		Nickel	7440-02-0	0.512741	0.68993
39		Silver	7440-22-4	0.296850	0.40996
40		Gold	7440-57-5	0.134932	0.16998
41		Titanium	7440-32-6	0.080959	0.11999
42		Aluminum	7429-90-5	0.944524	1.22988

Remarks

- All information in this document is furnished for exploratory or indicative purposes only.
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