



List of Component

No. PN001420 Rev.A

Date 2020/09/11

Item	Module
Part No.	BSM180D12P2C101
Product mass	269746 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	159,100.021193	99.69921	
2		Nickel	7440-02-0	480.013007	0.30079	
3	Direct Bonded Copper Substrate	Copper	7440-50-8	4,879.219597	65.66927	
4		Aluminium nitride	24304-00-5	2,192.414564	29.50765	
5		Silver	7440-22-4	327.849288	4.41264	
6		Yttrium-oxide	1314-36-9	28.997695	0.39023	
7		Titanium	7440-32-6	0.026975	0.00020	
8		Nickel	7440-02-0	1.483603	0.02001	
9	Adhesive	Poly alkyl alkenyl siloxane	-	500.001186	50.00000	
10		Silica	14808-60-7	400.006343	40.00000	
11		Poly alkyl hydrogen siloxane	-	50.010908	5.00000	
12		Amorphous silica	-	50.010908	5.00000	
13	Case	Filler	-	30,029.392526	43.52905	
14		Polyphenylsulfide	26125-40-6	12,656.482320	18.34620	
15		CarbonBlack	1333-86-4	210.240032	0.30475	
16		Iron	7439-89-6	8,760.028325	12.69809	
17		Chromium and Chromium Compounds(III)	-	56.053219	0.08127	
18		Copper	7440-50-8	17,127.603194	24.82731	
19		Nickel	7440-02-0	147.173418	0.21333	
20	Lid	Polyphenylsulfide	25212-74-2	2,770.156547	36.35364	
21		Glass fiber	65997-17-3	2,660.396900	34.91349	
22		Calcium carbonate	471-34-1	2,129.995340	27.95280	
23		CarbonBlack	1333-86-4	39.625687	0.52005	
24		Talc	14807-96-6	19.826331	0.26002	
25	Bonding wire	Aluminum	7429-90-5	1,409.989317	100.00000	
26	Silicone gel	Silicone Resin	-	19,999.993475	100.00000	
27	Die attach	Tin	7440-31-5	3,250.007706	91.78000	
28		Antimony	7440-36-0	97.027636	2.74000	
29		Copper	7440-50-8	29.024670	0.82000	
30		Silver	7440-22-4	165.003628	4.66000	
31	Die	Silicon carbide	409-21-2	173.392729	97.46025	
32	(Die)	Nickel	7440-02-0	1.186882	0.65993	

33	Silver	7440-22-4	0.701340	0.38996
34	Gold	7440-57-5	0.296721	0.16998
35	Titanium	7440-32-6	0.215797	0.12000
36	Aluminum	7429-90-5	2.130993	1.19988

Remarks

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