



List of Component

No. PN001430 Rev.A

Date 2020/09/11

Item	Module
Part No.	BSM600D12P3G001
Product mass	4057874 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	1,766,735.848340	99.82000	
2		Nickel	7440-02-0	3,185.836877	0.18000	
3	Direct Bonded Copper Substrate	Copper	7440-50-8	139,868.829969	74.56254	
4		Aluminium nitride	24304-00-5	44,528.674552	23.73763	
5		Silver	7440-22-4	956.440902	0.50995	
6		Yttrium-oxide	1314-36-9	581.493344	0.30997	
7		Titanium	7440-32-6	18.666220	0.01000	
8		Nickel	7440-02-0	1,462.863577	0.77992	
9		Phosphorus	7723-14-0	168.807558	0.08999	
10	Adhesive	Poly alkyl alkenyl siloxane	-	8,054.068315	50.00000	
11		Silica	14808-60-7	6,443.092337	40.00000	
12		Poly alkyl hydrogen siloxane	-	805.487989	5.00000	
13		Amorphous silica	-	805.487989	5.00000	
14	Case	Filler	-	325,470.711493	41.58720	
15		Polyphenylsulfide	26125-40-6	184,481.502512	23.57223	
16		CarbonBlack	1333-86-4	2,487.476762	0.31785	
17		Iron	7439-89-6	71,818.688776	9.17666	
18		Chromium and Chromium Compounds(III)	-	641.955667	0.08203	
19		Copper	7440-50-8	197,159.924038	25.19225	
20		Nickel	7440-02-0	561.609762	0.07178	
21	Lid	Polyphenylsulfide	25212-74-2	66,229.778916	55.44000	
22		Glass fiber	65997-17-3	35,898.388128	30.05000	
23		CarbonBlack	1333-86-4	621.260509	0.52000	
24		Brominated flame retardants	-	11,946.381056	10.00000	
25		Antimony trioxide	1309-64-4	4,766.378800	3.99000	
26	Bonding wire	Aluminum	7429-90-5	7,309.854224	99.99000	
27		Nickel	7440-02-0	0.811575	0.01000	
28	Silicone gel	Silicone Resin	-	257,080.926246	100.00000	
29	Die attach	Tin	7440-31-5	817,459.934662	92.21000	
30		Antimony	7440-36-0	29,787.229884	3.36000	
31		Copper	7440-50-8	5,585.257774	0.63000	
32	()	Silver	7440-22-4	33,687.658373	3.80000	

33	Die	Silicon carbide	409-21-2	29,386.311933	99.74000
34		Nickel	7440-02-0	20.695157	0.07000
35		Silver	7440-22-4	11.767835	0.04000
36		Gold	7440-57-5	6.086811	0.02000
37		Titanium	7440-32-6	2.840512	0.01000
38		Aluminum	7429-90-5	35.303504	0.12000
39	Die	Silicon carbide	409-21-2	1,752.595781	97.38026
40		Nickel	7440-02-0	12.579409	0.68993
41		Silver	7440-22-4	7.304173	0.40996
42		Gold	7440-57-5	3.246299	0.16998
43		Titanium	7440-32-6	2.028937	0.11999
44		Aluminum	7429-90-5	21.912523	1.22988

Remarks

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