



Material declaration form

General Information			
IPC	1752	Version	2
Form type*	Distribute		
Sectionals*	Material information	Subsectionals*	A-D
	Manufacturing information		

Supplier Information			
Company name*	STMicroelectronics	Response Date*	2025-05-06
Contact name*	Refer to Supplier Comment section		Refer to Supplier Comment section
Contact phone*	Refer to Supplier Comment section	Contact email*	Refer to Supplier Comment section
Authorized representative*	MDG MD CHAMPION	Representative title	Material Declaration champion
Representative phone*	Refer to Supplier Comment section	Representative email*	Refer to Supplier Comment section
Supplier comment	Online Technical Support - STMicroelectronics : http://www.st.com/web/en/support/support.html		

Uncertainty statement

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Legal statement

Supplier acceptance*	true	Legal declaration*	Standard
Supplier certifies that it gathered the provided information and such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part(s), and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part(s), the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form.			



Product				
Mfr item number	Mfr item name	Version	Manufacturing site	date
ST67W611M1A-B	-	A	-	2025-05-06
Amount	Unit of measure	Unit type	ST ECOPACK grade	
860	mg	Each	ECOPACK® 2	
Comment	ECOPACK® 2 is STMicroelectronics trade name for ROHS compliant device without Brominated and Chlorinated compound (900ppm) and without Antimony oxide flame retardant (in each organic material)			

Manufacturing information			
J-STD-020 MSL rating	Classification temperature	Number of reflow cycles	
3	260	3	
Bulk solder termination	Terminal plating	Terminal base alloy	Comment
Not Applicable	Nickel/Palladium/Gold (Ni/Pd/Au)	Copper Alloy	-

Package designator	Package size	Number of instances	Shape	
LGA	17.28 x 12.28 x 2.4	32	Flat	
Comment				

QueryList : RoHS Directive 2011/65/EU- 8 June 2011 – Annex II amended by Delegated Directive 2015/863 - 31 March 2015		Response
QUERY		Response
1 - Product(s) meets EU RoHS requirement without any exemptions		FALSE
2 - Product(s) meets EU RoHS requirements except lead in solder and this usage may qualify under the lead in solder '7b' exemption (other selected exemptions may apply)		FALSE
3 - Product(s) meets EU RoHS requirements by application of the selected exemption(s)		TRUE
4 - Product(s) does not meet EU RoHS requirements and is not under exemptions		false
Exemption Id.	Description	
7a	Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead)	
7c-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound	

QueryList : California Prop65 list, dated 17th Nov 2023			Response
QUERY			Response
1 - The product does not contain identified substance from California Prop 65 List, no exposure to consumers is foreseen			false
2 - The product is containing below substance(s) from California Prop 65 List, no exposure to consumers is foreseen			true
Substance	amount in product (mg)	Application	ppm in product
Nickel	0.115	Metalisation	134

QueryList : REACH-14th June 2023		Response
QUERY		Response
1 - Product(s) does not contain REACH Substances Of Very High Concern above the limits per the definition within REACH		FALSE
2 - Product(s) does not contain REACH Substances Of Very High Concern in any Embedded article nor Homogeneous Material above the limits per the definition within REACH		FALSE



PFAS/PTFE Restriction				Response
QUERY				Response
The product is containing at least one of the following PFAS substance: Polytetrafluoroethylene, Thiophenium, Triphenylsulfonium nonaflate, Trifluoroacetic anhydride				False
Environmental Protection Agency: Toxic Substances Control Act (TSCA). Section 6(h)				Response
QUERY				Response
Product does not contain Phenol, isopropylated, phosphate (3:1)				True

Material Composition Declaration : note : Substance present with less 0.001mg will not be declared in this document						Mfr Item Name	-	860.0000		2600000.0	1000000.0	
Homogeneous material	Material group	Mass	Unit of measure	Level	Substance category	Substance	CAS	Exempt	Mass	Unit of measure	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
Ni Silver Strips	M-011 Other inorganic materials	300.000	mg	supplier	metallisation	Cu	7440-50-8		168.000	mg	560000	195349
	M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		54.000	mg	180000	62791
	M-011 Other inorganic materials			supplier	metallisation	Zn	7440-66-6		78.000	mg	260000	90698
Capacitor	M-011 Other inorganic materials	71.378	mg	supplier	metallisation	BaTiO3	12047-27-7		64.668	mg	906000	75196
	M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		1.713	mg	24000	1992
	M-011 Other inorganic materials			supplier	metallisation	BaTiO3	12047-27-7		0.428	mg	6000	498
	M-011 Other inorganic materials			supplier	metallisation	Cu	7440-50-8		3.769	mg	52800	4382
	M-011 Other inorganic materials			supplier	metallisation	Lead Free Glass Frit	65997-18-4		0.514	mg	7200	598
	M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		0.143	mg	2000	166
	M-011 Other inorganic materials			supplier	metallisation	Sn	7440-31-5		0.143	mg	2000	166
	M-011 Other inorganic materials	6.417	mg	supplier	metallisation	Sro	1314-11-0		0.756	mg	117780	879
	M-011 Other inorganic materials			supplier	metallisation	CaO	1305-78-8		0.872	mg	135900	1014
	M-011 Other inorganic materials			supplier	metallisation	ZrO2	1314-23-4		2.907	mg	453000	3380
	M-011 Other inorganic materials			supplier	metallisation	TiO2	13463-67-7		0.116	mg	18120	135
	M-011 Other inorganic materials			supplier	metallisation	SiO2	14808-60-7		0.872	mg	135900	1014
	M-011 Other inorganic materials			supplier	metallisation	Mn3O4	1317-35-7		0.291	mg	45300	338
	M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		0.154	mg	24000	179
	M-011 Other inorganic materials			supplier	metallisation	BaTiO3	12047-27-7		0.039	mg	6000	45
	M-011 Other inorganic materials			supplier	metallisation	Cu	7440-50-8		0.339	mg	52800	394
	M-011 Other inorganic materials			supplier	metallisation	Lead Free Glass Frit	65997-18-4		0.046	mg	7200	54
	M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		0.013	mg	2000	15
	M-011 Other inorganic materials			supplier	metallisation	Sn	7440-31-5		0.013	mg	2000	15
	M-011 Other inorganic materials	4.070	mg	supplier	metallisation	BaTiO3	12047-27-7		2.267	mg	556920	2636
M-011 Other inorganic materials			supplier	metallisation	TiO2	13463-67-7		0.700	mg	171990	814	
M-011 Other inorganic materials			supplier	metallisation	Lead Free Glass Frit	65997-18-4		0.367	mg	90900	426	
M-011 Other inorganic materials			supplier	metallisation	Cu	7440-50-8		0.226	mg	55440	262	
M-011 Other inorganic materials			supplier	metallisation	Lead Free Glass Frit	65997-18-4		0.031	mg	7560	36	
M-011 Other inorganic materials			supplier	metallisation	Cu	7440-50-8		0.215	mg	52800	250	
M-011 Other inorganic materials			supplier	metallisation	Lead Free Glass Frit	65997-18-4		0.029	mg	7200	34	
M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		0.183	mg	45000	213	
M-011 Other inorganic materials			supplier	metallisation	Sn	7440-31-5		0.053	mg	13000	62	
Resistor	M-011 Other inorganic materials	19.308	mg	supplier	metallisation	Aluminum oxide	1344-28-1		15.456	mg	800488	17972
	M-011 Other inorganic materials			supplier	metallisation	Silicon dioxide	14808-60-7		0.297	mg	15384	345
	M-011 Other inorganic materials			supplier	metallisation	Calcium oxide	1305-78-8		0.037	mg	1892	42
	M-011 Other inorganic materials			supplier	metallisation	Magnesia	1309-48-4		0.095	mg	4936	111
	M-011 Other inorganic materials			supplier	metallisation	Silver	7440-22-4		0.254	mg	13140	295
	M-011 Other inorganic materials			supplier	metallisation	Nickel	7440-02-0		0.021	mg	1080	24
	M-011 Other inorganic materials			supplier	metallisation	Lead Free Glass	65997-18-4		0.038	mg	1980	44
	M-011 Other inorganic materials			supplier	metallisation	Resin	9004-57-3		0.035	mg	1800	40
	M-011 Other inorganic materials			supplier	metallisation	Silver	7440-22-4		0.241	mg	12495	281
	M-011 Other inorganic materials			supplier	metallisation	Palladium	7440-05-3		0.002	mg	107	2
	M-011 Other inorganic materials			supplier	metallisation	Barium Oxide	1304-28-5		0.019	mg	962	22
	M-011 Other inorganic materials			supplier	metallisation	Copper oxide	1317-38-0		0.005	mg	236	5
	M-011 Other inorganic materials			supplier	metallisation	Silver	7440-22-4		0.195	mg	10091	227
	M-011 Other inorganic materials			supplier	metallisation	Nickel	7440-02-0		0.019	mg	1009	23
	M-011 Other inorganic materials			supplier	metallisation	Nickel	7440-02-0		0.003	mg	160	4
	M-011 Other inorganic materials			supplier	metallisation	Chromium	7440-47-3		0.001	mg	40	1
	M-011 Other inorganic materials			supplier	metallisation	Silver	7440-22-4		0.020	mg	1034	23
	M-011 Other inorganic materials			supplier	metallisation	Palladium	7440-05-3		0.015	mg	775	17
	M-011 Other inorganic materials			supplier	metallisation	Silver oxide	20667-12-3		0.001	mg	51	1
	M-011 Other inorganic materials			supplier	metallisation	Ruthenium	12036-10-1		0.005	mg	259	6
	M-011 Other inorganic materials			supplier	metallisation	Zirconium silicate	10101-52-7		0.005	mg	259	6
	M-011 Other inorganic materials			supplier	metallisation	Tantalum oxide	1314-61-0		0.003	mg	172	4
	M-011 Other inorganic materials			supplier	metallisation	Titanium oxide	13463-67-7		0.000	mg	9	0
	M-011 Other inorganic materials			supplier	metallisation	Lead Free Glass	65997-18-4		0.117	mg	6040	136
	M-011 Other inorganic materials			supplier	metallisation	Barium Oxide	1304-28-5		0.002	mg	87	2
	M-011 Other inorganic materials			supplier	metallisation	Zinc oxide	1314-13-2		0.005	mg	259	6
	M-011 Other inorganic materials			supplier	metallisation	Aluminum oxide	1344-28-1		0.006	mg	293	7
	M-011 Other inorganic materials			supplier	metallisation	Lead oxide	1317-36-8		0.040	mg	2077	47

	M-011 Other inorganic materials			supplier	metallisation	Manganese oxide	1317-35-7		0.001	mg	34	1
	M-011 Other inorganic materials			supplier	metallisation	Copper oxide	1317-38-0		0.001	mg	51	1
	M-011 Other inorganic materials			supplier	metallisation	Bismuth oxide	1304-76-3		0.116	mg	6025	135
	M-011 Other inorganic materials			supplier	metallisation	Silicon dioxide	7631-86-9		0.025	mg	1288	29
	M-011 Other inorganic materials			supplier	metallisation	Aluminum oxide	1344-28-1		0.022	mg	1154	26
	M-011 Other inorganic materials			supplier	metallisation	Zirconium dioxide	1314-23-4		0.011	mg	571	13
	M-011 Other inorganic materials			supplier	metallisation	Barium Oxide	1304-28-5		0.008	mg	437	10
	M-011 Other inorganic materials			supplier	metallisation	Copper	147-14-8		0.003	mg	146	3
	M-011 Other inorganic materials			supplier	metallisation	Lead Free Glass	65997-18-4		0.030	mg	1579	35
	M-011 Other inorganic materials			supplier	metallisation	Silicon dioxide	14808-60-7		0.381	mg	19728	443
	M-011 Other inorganic materials			supplier	metallisation	Epoxy Resin	25068-38-6		0.109	mg	5636	127
	M-011 Other inorganic materials			supplier	metallisation	Carbon black	1333-86-4		0.109	mg	5636	127
	M-011 Other inorganic materials			supplier	metallisation	Nickel	7440-02-0		0.919	mg	47600	1069
	M-011 Other inorganic materials			supplier	metallisation	Tin	7440-31-5		0.637	mg	33000	741
Inductor	M-011 Other inorganic materials	13.039	mg	supplier	metallisation	Glass	65997-18-4		6.911	mg	530000	8036
	M-011 Other inorganic materials			supplier	metallisation	Filler	1344-28-1		2.543	mg	195000	2957
	M-011 Other inorganic materials			supplier	metallisation	Co3O4	1308-06-1		0.026	mg	2000	30
	M-011 Other inorganic materials			supplier	metallisation	CoO	1307-96-6		0.012	mg	900	14
	M-011 Other inorganic materials			supplier	metallisation	Ag	7440-22-4		3.286	mg	252000	3821
	M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		0.052	mg	4000	61
	M-011 Other inorganic materials			supplier	metallisation	Sn	7440-31-5		0.210	mg	16100	244
	M-011 Other inorganic materials	13.400	mg	supplier	metallisation	Cu	7440-50-8		3.516	mg	282400	4089
	M-011 Other inorganic materials			supplier	metallisation	Resin	37317-16-1		0.362	mg	27000	421
	M-011 Other inorganic materials			supplier	metallisation	Fe	7439-89-6		8.146	mg	607900	9472
	M-011 Other inorganic materials			supplier	metallisation	Silicon	7440-21-3		0.725	mg	54100	843
	M-011 Other inorganic materials			supplier	metallisation	Chromium (Non-Cr6+)	7440-47-3		0.182	mg	13600	212
	M-011 Other inorganic materials			supplier	metallisation	Polymer(Epoxy)	25068-38-6		0.302	mg	22500	351
	M-011 Other inorganic materials			supplier	metallisation	Polymer(Epoxy)	182697-62-7		0.114	mg	8500	132
	M-011 Other inorganic materials			supplier	metallisation	Ag	7440-22-4		0.013	mg	1000	16
	M-011 Other inorganic materials			supplier	metallisation	Cu	7440-50-8		0.013	mg	1000	16
	M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		0.015	mg	1100	17
	M-011 Other inorganic materials			supplier	metallisation	Sn	7440-31-5		0.012	mg	900	14
PCB	M-011 Other inorganic materials	370.000	mg	supplier	metallisation	Glass Fiber	65997-17-3		103.600	mg	280000	120465
	M-011 Other inorganic materials			supplier	metallisation	Copper Foil	7440-50-8		155.400	mg	420000	180693
	M-011 Other inorganic materials			supplier	metallisation	inorganic fillers	/		55.500	mg	150000	64535
	M-011 Other inorganic materials			supplier	metallisation	Halogen free Epoxy Resin	/		55.500	mg	150000	64535
Ink	M-011 Other inorganic materials	2.400	mg	supplier	metallisation	MModified epoxy resin	24969-06-0		1.320	mg	550000	1535
	M-011 Other inorganic materials			supplier	metallisation	Pigment .Barium sulfate,polyesterrosin additive	7727-43-714808-60-7108-78-1		1.064	mg	443400	1237
	M-011 Other inorganic materials			supplier	metallisation	Photoinitiator	71868-10-5		0.016	mg	6600	18
Surface treatment (OSP)	M-011 Other inorganic materials	3.100	mg	supplier	metallisation	NISO4	7786-81-4		0.651	mg	210000	757
	M-011 Other inorganic materials			supplier	metallisation	Water	7732-18-5		2.449	mg	790000	2848
	M-011 Other inorganic materials	3.400	mg	supplier	metallisation	carboxylate	/		0.677	mg	199000	787
	M-011 Other inorganic materials			supplier	metallisation	2-Pyrrolidone-5- carboxylic acids	/		0.139	mg	41000	162
	M-011 Other inorganic materials			supplier	metallisation	Water	7732-18-5		2.584	mg	760000	3005
Ink	M-011 Other inorganic materials	2.300	mg	supplier	metallisation	Acrylic monomers	/		2.047	mg	890000	2380
	M-011 Other inorganic materials			supplier	metallisation	TiO2	13463-67-7		0.207	mg	90000	241
	M-011 Other inorganic materials			supplier	metallisation	DOUBLECURE 819	162881-26-7		0.046	mg	20000	53
Laminate	M-011 Other inorganic materials	1.260	mg	supplier	metallisation	Continuous filament glass fiber	65997-17-3		0.491	mg	390000	571
	M-011 Other inorganic materials			supplier	metallisation	T hermosetting resin	9003-36-5		0.378	mg	300000	440
	M-011 Other inorganic materials			supplier	metallisation	Silicon dioxide	7631-86-9		0.214	mg	170000	249
	M-011 Other inorganic materials			supplier	metallisation	Aluminum trihydroxide	21645-51-2		0.076	mg	60000	88
	M-011 Other inorganic materials			supplier	metallisation	rganic phosphorous based reactive flame retarda	35948-25-5		0.101	mg	80000	117
SMT Connector	M-011 Other inorganic materials	9.310	mg	supplier	metallisation	Cu	7440-50-8		8.626	mg	926500	10030
	M-011 Other inorganic materials			supplier	metallisation	Sn	7440-31-5		0.652	mg	70000	758
	M-011 Other inorganic materials			supplier	metallisation	P	7723-14-0		0.033	mg	3500	38
	M-011 Other inorganic materials	6.860	mg	supplier	metallisation	Fe	7439-89-6		4.821	mg	702800	5606
	M-011 Other inorganic materials			supplier	metallisation	C	7440-44-0		0.010	mg	1500	12
	M-011 Other inorganic materials			supplier	metallisation	Si	7440-21-3		0.069	mg	10000	80
	M-011 Other inorganic materials			supplier	metallisation	Mn	7439-96-5		0.137	mg	20000	160
	M-011 Other inorganic materials			supplier	metallisation	P	7723-14-0		0.003	mg	400	3
	M-011 Other inorganic materials			supplier	metallisation	S	7704-34-9		0.002	mg	300	2

	M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		0.583	mg	85000	678
	M-011 Other inorganic materials			supplier	metallisation	Cr	7440-47-3		1.235	mg	180000	1436
	M-011 Other inorganic materials	6.620	mg	supplier	metallisation	Liquid crystal polymers / LCP	/		4.038	mg	610000	4696
	M-011 Other inorganic materials			supplier	metallisation	Glass, oxide, chemicals	65997-17-3		2.118	mg	320000	2463
	M-011 Other inorganic materials			supplier	metallisation	Talc (Mg3H2(SiO3)4)	14807-96-6		0.199	mg	30000	231
	M-011 Other inorganic materials			supplier	metallisation	Carbon black	1333-86-4		0.232	mg	35000	269
	M-011 Other inorganic materials			supplier	metallisation	Additives	/		0.033	mg	5000	38
	M-011 Other inorganic materials	5.060	mg	supplier	metallisation	S	7440-44-0		0.003	mg	600	4
	M-011 Other inorganic materials			supplier	metallisation	Si	7440-21-3		0.020	mg	4000	24
	M-011 Other inorganic materials			supplier	metallisation	Mn	7439-96-5		0.061	mg	12000	71
	M-011 Other inorganic materials			supplier	metallisation	Fe	7439-89-6		3.657	mg	722700	4252
	M-011 Other inorganic materials			supplier	metallisation	P	7723-14-0		0.002	mg	400	2
	M-011 Other inorganic materials			supplier	metallisation	S	7704-34-9		0.002	mg	300	2
	M-011 Other inorganic materials			supplier	metallisation	Cr	7440-47-3		0.911	mg	180000	1059
	M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		0.405	mg	80000	471
Plating	M-011 Other inorganic materials	0.083	mg	supplier	metallisation	Au	7440-57-5		0.083	mg	999700	96
	M-011 Other inorganic materials			supplier	metallisation	Co	7440-48-4		0.000	mg	300	0
	M-011 Other inorganic materials	0.069	mg	supplier	metallisation	Ni	7440-02-0		0.069	mg	1000000	80
BASE	M-011 Other inorganic materials	4.300	mg	supplier	metallisation	Al2O3	1344-28-1		1.892	mg	440000	2200
	M-011 Other inorganic materials			supplier	metallisation	SiO2	14808-60-7		0.077	mg	18000	90
	M-011 Other inorganic materials			supplier	metallisation	Cr2O3	1308-38-9		0.029	mg	6800	34
	M-011 Other inorganic materials			supplier	metallisation	W	7440-33-7		0.774	mg	180000	900
	M-011 Other inorganic materials			supplier	metallisation	Mo	7439-98-7		0.112	mg	26000	130
	M-011 Other inorganic materials			supplier	metallisation	Ag	7440-22-4		0.271	mg	63000	315
	M-011 Other inorganic materials			supplier	metallisation	Cu	7440-50-8		0.047	mg	11000	55
	M-011 Other inorganic materials			supplier	metallisation	Fe	7439-89-6		0.473	mg	110000	550
	M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		0.361	mg	84000	420
	M-011 Other inorganic materials			supplier	metallisation	Co	7440-48-4		0.189	mg	44000	220
	M-011 Other inorganic materials			supplier	metallisation	Au	7440-57-5		0.007	mg	1600	8
	M-011 Other inorganic materials			supplier	metallisation	other(Metal oxide)	-		0.067	mg	15600	78
LID	M-011 Other inorganic materials	1.516	mg	supplier	metallisation	Fe	7439-89-6		0.730	mg	481614	849
	M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		0.528	mg	348013	614
	M-011 Other inorganic materials			supplier	metallisation	Co	7440-48-4		0.247	mg	162949	287
	M-011 Other inorganic materials			supplier	metallisation	Mn	7439-96-5		0.007	mg	4526	8
	M-011 Other inorganic materials			supplier	metallisation	Si	14808-60-7		0.004	mg	2716	5
	M-011 Other inorganic materials			supplier	metallisation	C	7440-44-0		0.000	mg	181	0
Blank	M-011 Other inorganic materials	0.080	mg	supplier	metallisation	SiO2	14808-60-7		0.080	mg	1000000	93
Electrode	M-011 Other inorganic materials	0.020	mg	supplier	metallisation	Ag	7440-22-4		0.020	mg	995000	23
	M-011 Other inorganic materials			supplier	metallisation	Cr	7440-47-3		0.000	mg	5000	0
Silver Glue	M-011 Other inorganic materials	0.210	mg	supplier	metallisation	Ag	7440-22-4		0.155	mg	740000	181
	M-011 Other inorganic materials			supplier	metallisation	Ethanol	64-17-5		0.002	mg	9000	2
	M-011 Other inorganic materials			supplier	metallisation	C15H16O2	25068-38-6		0.002	mg	9000	2
	M-011 Other inorganic materials			supplier	metallisation	Xylene	1330-20-7		0.000	mg	1000	0
	M-011 Other inorganic materials			supplier	metallisation	Ethylbenzene	100-41-4		0.000	mg	1000	0
	M-011 Other inorganic materials			supplier	metallisation	Silicone resin有机硅树脂	-		0.020	mg	95000	23
	M-011 Other inorganic materials			supplier	metallisation	Silica	-		0.020	mg	95000	23
	M-011 Other inorganic materials			supplier	metallisation	Petroleum solvent石油溶剂	-		0.011	mg	50000	12
Leadframe	M-011 Other inorganic materials	1.872	mg	supplier	metallisation	CU	7440-50-8		1.751	mg	224520	2036
	M-011 Other inorganic materials			supplier	metallisation	Fe	7439-89-6		0.003	mg	432	4
	M-011 Other inorganic materials			supplier	metallisation	Si	7440-21-3		0.022	mg	2832	26
	M-011 Other inorganic materials			supplier	metallisation	Ni	7440-02-0		0.075	mg	9600	87
	M-011 Other inorganic materials			supplier	metallisation	Zn	7440-66-6		0.017	mg	2160	20
	M-011 Other inorganic materials			supplier	metallisation	Mg	7439-95-4		0.003	mg	360	3
	M-011 Other inorganic materials			supplier	metallisation	Pb	7439-92-1		0.001	mg	96	1
Die attach paste	M-011 Other inorganic materials	0.663	mg	supplier	metallisation	Silica, amorphous(Die attach film)	7631-86-9		0.411	mg	52700	478
	M-011 Other inorganic materials			supplier	metallisation	Polyethylene Terephthalate (Release liner)	25038-59-9		0.007	mg	850	8
	M-011 Other inorganic materials			supplier	metallisation	Polypropylene copolymer (Dicing tape)	/		0.152	mg	19550	177
	M-011 Other inorganic materials			supplier	metallisation	Acrylic resin (Die attach film)	/		0.093	mg	11900	108
Bonding wire	M-011 Other inorganic materials	0.078	mg	supplier	metallisation	Copper	7440-50-8		0.076	mg	9800	89
	M-011 Other inorganic materials			supplier	metallisation	Palladium	7440-05-3		0.002	mg	200	2
Molding compound	M-011 Other inorganic materials	3.744	mg	supplier	metallisation	Epoxy Resin 1	Trade secret		0.024	mg	3120	28



	M-011 Other inorganic materials			supplier	metallisation	Epoxy Resin 2	Trade secret		0.168	mg	21600	196
	M-011 Other inorganic materials			supplier	metallisation	Hardener	Trade secret		0.251	mg	32160	292
	M-011 Other inorganic materials			supplier	metallisation	Catalyst	1333-86-4		0.032	mg	4112	37
	M-011 Other inorganic materials			supplier	metallisation	Carbon black	60676-86-0		0.009	mg	1200	11
	M-011 Other inorganic materials			supplier	metallisation	Amorphous silica 1	7631-86-9		2.958	mg	379200	3439
	M-011 Other inorganic materials			supplier	metallisation	Amorphous silica 2	Trade secret		0.301	mg	38640	350
Lead finish (Matte Sn) on leadframe	M-011 Other inorganic materials	0.273	mg	supplier	metallisation	Sn	7440-31-5		0.273	mg	34966	317
	M-011 Other inorganic materials			supplier	metallisation	Others	/		0.000	mg	3	0
Die	M-011 Other inorganic materials	1.170	mg	supplier	metallisation	Silicon	7440-21-3		1.170	mg	150000	1360