

Type number	Package	Package description	Total product weight
BUK765R2-40B	SOT404	D2PAK	1439.88370 mg

12NC	Version	Pb-free soldering			Pb soldering			Number of processing cycles	Assembly site	RHF-indicator	
		MSL	PPT	MPPT	MSL	PPT	MPPT				
934057713118	17	1	245	30 s	1	245	20 s	3	Cabuyao, Philippines; Manchester, United Kingdom	IMG	

Subpart	Material group	Substances	CAS number	Mass(mg)	Mass(%) of subpart	Mass(%) of total product
Die	Doped silicon	Silicon (Si)	7440-21-3	7.00000	100.00000	0.48615
		subTotal		7.00000	100.00000	0.48615
Lead Frame	Copper alloy	Copper (Cu)	7440-50-8	823.42416	99.08000	57.18685
		Iron (Fe)	7439-89-6	1.24660	0.15000	0.08658
		Nickel (Ni) - cas no. 7440-02-0	7440-02-0	6.06681	0.73000	0.42134
		Phosphorous (P)	7723-14-0	0.33243	0.04000	0.02309
		subTotal		831.07000	100.00000	57.71786
Mould Compound	Additive	Bromine atom (Br)	10097-32-2	5.70520	1.00000	0.39623
	Filler	Misc. Silica compounds (generic)	14808-60-7	439.30040	77.00000	30.50944
	Flame retardant	Antimony Trioxide (Sb2O3) - cas no. 1309-64-4	1309-64-4	11.41040	2.00000	0.79245
	Polymer	Epoxy resin system	Proprietary	114.10400	20.00000	7.92453
		subTotal		570.52000	100.00000	39.62265
Post-Plating	Pure metal	Tin (Sn)	7440-31-5	19.79000	100.00000	1.37442
		subTotal		19.79000	100.00000	1.37442
Solder Wire	Lead alloy	Lead (Pb)	7439-92-1	6.77688	93.50000	0.47065
		Silver (Ag)	7440-22-4	0.10872	1.50000	0.00755
		Tin (Sn)	7440-31-5	0.36240	5.00000	0.02517
		subTotal		7.24800	100.00000	0.50337
Wire	Impurity	Non hazardous	Proprietary	0.00040	0.01000	0.00003
	Pure metal	Aluminium (Al)	7429-90-5	4.00007	99.99000	0.27781
		subTotal		4.00047	100.00000	0.27784
Wire	Impurity	Non hazardous	Proprietary	0.00003	0.01000	0.00000
	Pure metal	Aluminium (Al)	7429-90-5	0.25511	99.99000	0.01772
		subTotal		0.25513	100.00000	0.01772

#### Note(s):

1) This is a generic description of the substance used as the actual composition of the substances are either considered proprietary or no official CAS number is available. If a CAS number is given, it is the closest match available.

#### Disclaimer

All information in this document is furnished for exploratory or indicative purposes only. All information in this document is believed to be accurate and reliable. However, Nexperia does not give any representations or warranties as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. Nexperia may make changes to information published in this document at any time and without notice. Minor deviations may occur in the products from different manufacturing location. This document supersedes and replaces all information supplied prior to the publication hereof. Nothing in this document may be interpreted or construed as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any license under any copyrights, patents or other industrial or intellectual property rights.