

Chemical content 74AHC1G32GV



Type number	Package	Package description	Total product weight
74AHC1G32GV	SOT753	S05	10.40392 mg

12NC	Version	Pb-free soldering			Pb soldering			Number of processing cycles	Assembly site	RHF-indicator
		MSL	PPT	MPPT	MSL	PPT	MPPT			
935271666125	19	1	260	30 s	1	240	20 s	3	Nijmegen, Netherlands; Seremban, Malaysia; Bangkok, Thailand	

Subpart	Material group	Substances	CAS number	Mass(mg)	Mass(%) of subpart	Mass(%) of total product
Adhesive	Filler	Silver (Ag)	7440-22-4	0.00750	75.00000	0.07209
	Polymer	Resin system	Proprietary	0.00250	25.00000	0.02403
		subTotal		0.01000	100.00000	0.09612
Die	Doped silicon	Silicon (Si)	7440-21-3	0.08038	100.00000	0.77264
		subTotal		0.08038	100.00000	0.77264
Lead Frame	Copper alloy	Copper (Cu)	7440-50-8	3.19066	94.96000	30.66783
		Iron (Fe)	7439-89-6	0.08568	2.55000	0.82354
		Lead (Pb)	7439-92-1	0.00101	0.03000	0.00969
		Misc. Phosphor compounds (generic)	7723-14-0	0.00504	0.15000	0.04844
		Tin (Sn)	7440-31-5	0.00672	0.20000	0.06459
	Pure metal layer	Silver (Ag)	7440-22-4	0.07090	2.11000	0.68144
	subTotal		3.36000	100.00000	32.29553	
Mould Compound	Filler	Silica fused	60676-86-0	4.60080	71.00000	44.22179
	Pigment	Carbon black	1333-86-4	0.01944	0.30000	0.18685
	Polymer	Epichlorohydrin/o-Cresol/Formaldehyde polymer (generic)	29690-82-2	1.27656	19.70000	12.26999
		Phenolic resin	Proprietary	0.58320	9.00000	5.60558
	subTotal		6.48000	100.00000	62.28421	
Post-Plating	Impurity	Antimony (Sb)	7440-36-0	0.00001	0.00300	0.00013
		Bismuth (Bi)	7440-69-9	0.00000	0.00100	0.00004
		Copper (Cu)	7440-50-8	0.00000	0.00100	0.00004
		Lead (Pb)	7439-92-1	0.00002	0.00500	0.00021
	Tin solder	Tin (Sn)	7440-31-5	0.43996	99.99000	4.22875
	subTotal		0.44000	100.00000	4.22917	
Wire	Gold alloy	Gold (Au)	7440-57-5	0.03320	99.00000	0.31911
		Palladium (Pd)	7440-05-3	0.00034	1.00000	0.00322
		subTotal		0.03354	100.00000	0.32233

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.