

# Chemical content 74AHCT04BQ

Type number	Package	Package description	Total product weight
74AHCT04BQ	SOT762-1	DHVQFN14	18.17888 mg

12NC	Version	Pb-free soldering			Pb soldering			Number of processing cycles	Assembly site	RHF-indicator
		MSL	PPT	MPPT	MSL	PPT	MPPT			
935278824115	15	1	260	30 s	1	240	20 s	3	Suzhou, China; Bangkok, Thailand; Nijmegen, Netherlands; Shanghai, China	

Subpart	Material group	Substances	CAS number	Mass(mg)	Mass(%) of subpart	Mass(%) of total product
Adhesive	Filler	Silver (Ag)	7440-22-4	0.01863	80.10000	0.10249
	Polymer	Resin system	Proprietary	0.00463	19.90000	0.02546
		subTotal		0.02326	100.00000	0.12795
Die	Doped silicon	Silicon (Si)	7440-21-3	0.21155	100.00000	1.16369
		subTotal		0.21155	100.00000	1.16369
Die	Doped silicon	Silicon (Si)	7440-21-3	0.21155	100.00000	1.16369
		subTotal		0.21155	100.00000	1.16369
Lead Frame Material	Copper alloy	Copper (Cu)	7440-50-8	6.80297	97.47000	37.42239
		Iron (Fe)	7439-89-6	0.16751	2.40000	0.92145
		Phosphorous (P)	7723-14-0	0.00209	0.03000	0.01152
		Zinc (Zn)	7440-66-6	0.00698	0.10000	0.03839
		subTotal		6.97956	100.00000	38.39375
Mould Compound	Additive	Non hazardous	Proprietary	0.30613	2.91000	1.68400
	Filler	Silica -amorphous-	7631-86-9	0.36715	3.49000	2.01964
		Silica fused	60676-86-0	8.92306	84.82000	49.08478
	Pigment	Carbon black	1333-86-4	0.01683	0.16000	0.09259
	Polymer	1,4-bis(methoxymethyl)benzene/phenol copolymer	26834-02-6	0.11362	1.08000	0.62499
		Epoxy resin system	Proprietary	0.16727	1.59000	0.92012
		Phenolic resin	Proprietary	0.23670	2.25000	1.30206
		Tetramethylbiphenyl diglycidyl ether	85954-11-6	0.38924	3.70000	2.14117
	subTotal		10.52000	100.00000	57.86935	
Pre-Plating	Pure metal layer	Gold (Au)	7440-57-5	0.00177	1.00000	0.00975
		Nickel (Ni) - cas no. 7440-02-0	7440-02-0	0.16123	91.00000	0.88691
		Palladium (Pd)	7440-05-3	0.01417	8.00000	0.07797
		subTotal		0.17718	100.00000	0.97463
Wire	Pure metal	Copper (Cu)	7440-50-8	0.05387	96.55000	0.29634
	Pure metal layer	Gold (Au)	7440-57-5	0.00020	0.35000	0.00107
		Palladium (Pd)	7440-05-3	0.00173	3.10000	0.00951
		subTotal		0.05580	100.00000	0.30692

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