

LINEAR TECHNOLOGY MATERIALS DECLARATION

1tc2050hvis8#trpbf

(Engineering Calculation)

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TOTAL MASS (g) : 0.07169

COMPONENT MATERIAL	VENDOR/ INDUSTRY NAMES	CONSTITUENT NAME	CAS NUMBER	CONSTITUENT MASS (g)	CONSTITUENT (PPM) OF MATERIAL	CONSTITUENT (PPM) OF TOTAL PKG.
Active Device	Linear Technology	Silicon (Si)	7440-21-3	0.000851	1000000	11870.5791016
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	329935.125
		Iron (Fe)	7439-89-6	0.000582	24000	8118.30419922
		Phosphorus (P)	7723-14-0	0.000007	300	97.6428375244
		Zinc (Zn)	7440-66-6	0.000017	700	237.132598877
		Nickel (Ni)	7440-02-0	0.000000	0	0
		Silicon (Si)	7440-21-3	0.000000	0	0
		Magnesium (Mg)	7439-95-4	0.000000	0	0
		Tin (Sn)	7440-31-5	0.000000	0	0
		Lead Frame Total:		0.024259	1000000	338388.21875
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.001477	1000000	20600.5722656
		External Plating Total:		0.001477	1000000	20600.5722656
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000068	1000000	948.530395508
		Internal Plating Total:		0.000068	1000000	948.530395508
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000409	750000	5705.13134766
		Tin (Sn)	7440-31-5	0.000000	0	0
		Lead (Pb)	7439-92-1	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.000000	0	0
		Indium (In)	7440-74-6	0.000000	0	0
		Metal Oxide		0.000000	0	0
		Antimony (Sb)	7440-36-0	0.000000	0	0
		Resin (EP)		0.000136	250000	1897.06079102
		Die Attach Total:		0.000545	1000000	7602.19189453
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006657	150000	92858.3359375
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.036392	820000	507631.125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.001110	25000	15483.3623047
		Carbon Black (C)	1333-86-4	0.000222	5000	3096.67260742
		Encapsulation Total:		0.044381	1000000	619069.5
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000109	1000000	1520.43835449
					TOTAL MASS (g) :	0.07169