

Material Content Data Sheet

RoHS

Sales Product Name	TLE4988C-XTF-M28	**Issued**	09. September 2021
MA#	MA005401478		
Package	PG-SSO-3-52	**Weight***	158.74 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	0.904	0.57	0.57	5693	5693
leadframe	non noble metal	chromium	7440-47-3	0.242	0.15		1522	
	non noble metal	titanium	7440-32-6	0.242	0.15		1522	
	non noble metal	nickel	7440-02-0	0.322	0.20		2030	
	non noble metal	tin	7440-31-5	0.483	0.30		3044	
	non noble metal	copper	7440-50-8	79.252	49.95	50.75	499270	507388
wire	noble metal	gold	7440-57-5	0.065	0.04	0.04	409	409
encapsulation	organic material	carbon black	1333-86-4	0.435	0.27		2742	
	plastics	brominated resin	-	0.544	0.34		3427	
	inorganic material	antimonytrioxide	1309-64-4	1.088	0.69		6854	
	plastics	epoxy resin	-	9.901	6.24		62375	
	inorganic material	silicondioxide	60676-86-0	42.434	26.73	34.27	267321	342719
leadfinish	non noble metal	tin	7440-31-5	5.565	3.51	3.51	35059	35059
plating	noble metal	silver	7440-22-4	0.442	0.28	0.28	2785	2785
glue	plastics	epoxy resin	-	0.084	0.05		532	
	noble metal	silver	7440-22-4	0.340	0.21	0.26	2143	2675
smd	inorganic material	boronoxide	1303-86-2	0.044	0.03		276	
	inorganic material	ytterbiumoxide	1314-37-0	0.123	0.08		778	
	inorganic material	silicondioxide	60676-86-0	0.131	0.08		827	
	inorganic material	yttriumoxide	1314-36-9	0.151	0.09		949	
	noble metal	palladium	7440-05-3	0.301	0.19		1896	
	non noble metal	copper	7440-50-8	0.734	0.46		4622	
	non noble metal	nickel	7440-02-0	1.049	0.66		6610	
	noble metal	silver	7440-22-4	1.439	0.91		9067	
	inorganic material	bariumtitanate	12047-27-7	12.421	7.82	10.32	78247	103272
*deviation	< 10%				Sum in total:	100.00		1000000

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