



Telink

Telink Semicon
Phone: +8621 2
1500 Zuchongz
PuDong District

Composition Table

To: TELINK SEMICONDUCTOR (SHANGHAI) CO., LTD.
From: HuaTian Technology (Xi An) Co.,Ltd
Product Name: TLSR9218AER
Weight(Unit): 90.0200 mg

	Material name	Vendor	Weight(mg)	Substance Name	CAS No	Weight(mg)	Content (%) Substance
Die1	Telink Die	SMIC BJ	3.8000	Silicon	7440-21-3	3.8000	100.00%
Die2	PUYA Die	HLMC	0.4400	Silicon	7440-21-3	0.4400	100.00%
Lead Frame	A194FH	Zhongshan Fusheng	28.2000				
				Cu	7440-50-8	26.5052	93.99%
				Fe	7439-89-6	0.6486	2.30%
				P	7723-14-0	0.0028	0.01%
				Zn	7440-66-6	0.0564	0.20%
				Ag	7440-22-4	0.9870	3.50%
DAF	ATB-120U	HENKEL	2.4000				
				Modified Epoxy Resin	Proprietary	1.62528	67.72%
				proprietary	Proprietary	0.216	9.00%
				Epoxy resin	Proprietary	0.24	10.00%
				Aromatic polyamine	Proprietary	0.24	10.00%
				[3-(2,3- Epoxypropoxy)propyl]trimeth oxysilane	2530-83-8	0.0576	2.40%
				Epoxy Resin	Proprietary	0.01512	0.63%
Epoxy	L1-403NCA	LEGEND	1.8000	4,4'-Isopropylidenediphenol	80-05-7	0.006	0.25%
				Diethylene glycol monoethyl ether acetate	112-15-2	0.1800	10.00%
				Silica	15468-32-3	1.0800	60.00%

				Acylate resin	15625-89-5	0.2700	15.00%
				Epoxy resin	Proprietary	0.2520	14.00%
				Peroxide	Proprietary	0.0180	1.00%
Wire	R2SP	乐金	<u>4.2000</u>	Ag	7440-22-4	4.0110	95.5000%
				Pd	7440-05-3	0.1890	4.5000%
Mold Compound	CEL-9240HF	RESONAC Materials	<u>45.0000</u>	Epoxy Resin 1	Trade Secret	1.8450	4.10%
				Epoxy Resin 2	Trade Secret	1.3500	3.00%
				Hardener	Trade Secret	1.8000	4.00%
				Catalyst	Trade Secret	0.0495	0.11%
				Carbon Black	1333-86-4	0.1305	0.29%
				Amorphous silica 1	60676-86-0	36.4500	81.00%
				Amorphous silica 2	7631-86-9	3.3750	7.50%
Plating	TIN	AISEN	<u>4.1800</u>	Tin	7440-31-5	4.1796	99.99%
				Others	Trade Secret	0.0004	0.01%
Total			<u>90.0200</u>			<u>90.0200</u>	<u>100%</u>

保存年限：三年
保存单位：QRA

ductor (Shanghai) CO., LTD
2028 1118 Fax: 8621 5038 8081
Shi Road Bldg 3
Shanghai, China 201203

Date: 2023/10/17

Content (%)	Content (ppm)
Whole chip	

<u>4.22%</u>	1000000
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<u>0.49%</u>	1000000
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31.33%

29.44%	939900
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0.72%	23000
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0.00%	100
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0.06%	2000
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1.10%	35000
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2.67%

1.81%	677200
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0.24%	90000
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0.27%	100000
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0.27%	100000
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0.06%	24000
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0.02%	6300
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0.01%	2500
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2.00%

0.20%	100000
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1.20%	600000
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0.30%	150000
0.28%	140000
0.02%	10000
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<u>4.67%</u>	
4.46%	955000
0.21%	45000
<hr/>	
<u>50%</u>	
2.05%	41000
1.50%	30000
2.00%	40000
0.05%	1100
0.14%	2900
40.49%	810000
3.75%	75000
<hr/>	
<u>4.64%</u>	
4.64%	999900
0.00%	100
<hr/>	
<u>1000000</u>	
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