

# Material Declaration Form

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Ordering Code	Package Family	Assembly Material Number	Lead Count	Weight (mg)	Manufacturing Country	Halogen Free	EU RoHS	China RoHS	Release Status	Version
AS3953A-BDFM	MLPD 10ld; 3x3x0.9mm	190950009	10	24.46	Malaysia	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	10.54	Cu	Copper	97.50	7440-50-8	10.27650	42.01349	420135
		Fe	Iron	2.40	7439-89-6	0.25296	1.03418	10342
		Zn	Zinc	0.10	7440-66-6	0.01054	0.04309	431
		<b>Subtotal:</b>		<b>100.00</b>		<b>10.54000</b>	<b>43.09076</b>	<b>430908</b>
Adhesive	0.03	Ag	Silver	80.00	7440-22-4	0.02400	0.09812	981
			Carbocyclic Acrylates	15.00	3066-71-5	0.00450	0.01840	184
			Epoxy Resin	5.00	25928-94-3	0.00150	0.00613	61
		<b>Subtotal:</b>		<b>100.00</b>		<b>0.03000</b>	<b>0.12265</b>	<b>1226</b>
IC	0.38	Si	Silicon	100.00	7440-21-3	0.38000	1.55356	15536
		<b>Subtotal:</b>		<b>100.00</b>		<b>0.38000</b>	<b>1.55356</b>	<b>15536</b>
Wire	0.1	Au	Gold	100.00	7440-57-5	0.10000	0.40883	4088
		<b>Subtotal:</b>		<b>100.00</b>		<b>0.10000</b>	<b>0.40883</b>	<b>4088</b>
Moldcompound	13.29	SiO2	Silica Fused	88.00	60676-86-0	11.69520	47.81357	478136
			Carbon Black	0.30	1333-86-4	0.03987	0.16300	1630
			Epoxy Resin	8.00	25928-94-3	1.06320	4.34669	43467
			Phenol Resin	3.70	28064-14-4	0.49173	2.01034	20103
		<b>Subtotal:</b>		<b>100.00</b>		<b>13.29000</b>	<b>54.33361</b>	<b>543336</b>
Plating	0.12	Sn	Tin	100.00	7440-31-5	0.12000	0.49060	4906
		<b>Subtotal:</b>		<b>100.00</b>		<b>0.12000</b>	<b>0.49060</b>	<b>4906</b>
<b>Total:</b>	<b>24.46</b>					<b>24.46</b>	<b>100.00000</b>	<b>1000000</b>

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