

# Product Document

# Material Declaration Form

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ams AG  
Tobelbader Strasse 30  
A-8141 Premstaetten, Austria  
Tel +43 (0) 3136 500-0



Ordering Code	Package Family	Assembly Material Number	Lead Count	Weight (mg)	Manufacturing Country	Halogen Free	EU RoHS	China RoHS	Release Status	Version
AS3415-EQFP	punched QFN 32ld	191150015	32	71.97	Korea	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	31.17	Ag	Silver	0.30	7440-22-4	0.09352	0.12994	1299
		Cu	Copper	97.25	7440-50-8	30.31499	42.12155	421216
		Fe	Iron	2.30	7439-89-6	0.71696	0.99619	9962
		Zn	Zinc	0.15	7440-66-6	0.04676	0.06497	650
		<b>Subtotal:</b>			<b>100.00</b>		<b>31.17223</b>	<b>43.31265</b>
Adhesive	0.43	Ag	Silver	77.00	7440-22-4	0.33249	0.46198	4620
		BLO (1-10)	Gamma Butyrolactone	1.00	96-48-0	0.00432	0.00600	60
			Epoxy Resin	22.00	25928-94-3	0.09500	0.13199	1320
		<b>Subtotal:</b>			<b>100.00</b>		<b>0.43180</b>	<b>0.59997</b>
IC	2.4	Si	Silicon	100.00	7440-21-3	2.40456	3.34105	33410
		<b>Subtotal:</b>			<b>100.00</b>		<b>2.40456</b>	<b>3.34105</b>
Wire	0.16	Cu	Copper	97.30	7440-50-8	0.15693	0.21804	2180
		Pd	Palladium	2.70	7440-05-3	0.00435	0.00605	61
		<b>Subtotal:</b>			<b>100.00</b>		<b>0.16128</b>	<b>0.22409</b>
Moldcompound	36.52	SiO2	Silica Fused	85.00	60676-86-0	31.03826	43.12650	431265
			Carbon Black	0.30	1333-86-4	0.10955	0.15221	1522
			Epoxy Resin	9.00	25928-94-3	3.28640	4.56634	45663
			Phenol Resin	5.70	28064-14-4	2.08139	2.89201	28920
		<b>Subtotal:</b>			<b>100.00</b>		<b>36.51560</b>	<b>50.73706</b>

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Plating	1.28	Sn	Tin	100.00	7440-31-5	1.28480	1.78518	17852
<b>Subtotal:</b>				<b>100.00</b>		<b>1.28480</b>	<b>1.78518</b>	<b>17852</b>
<b>Total:</b>	<b>71.97</b>					<b>71.97</b>	<b>100.00000</b>	<b>1000000</b>

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