

# Product Document

# Material Declaration Form

Page 1

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
AS3435-EQFP	punched QFN 36ld	191150017	36	65.12	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	31.14	Ag	Silver	0.30	7440-22-4	0.09341	0.14346	1435
		Cu	Copper	97.25	7440-50-8	30.28189	46.50397	465040
		Fe	Iron	2.30	7439-89-6	0.71618	1.09984	10998
		Zn	Zinc	0.15	7440-66-6	0.04671	0.07173	717
		<b>Subtotal:</b>			<b>100.00</b>			<b>31.13819</b>
Adhesive	0.43	Ag	Silver	77.00	7440-22-4	0.33249	0.51060	5106
		BLO (1-10)	Gamma Butyrolactone	1.00	96-48-0	0.00432	0.00663	66
			Epoxy Resin	22.00	25928-94-3	0.09500	0.14589	1459
		<b>Subtotal:</b>			<b>100.00</b>		<b>0.43180</b>	<b>0.66312</b>
IC	2.4	Si	Silicon	100.00	7440-21-3	2.40456	3.69269	36927
		<b>Subtotal:</b>			<b>100.00</b>		<b>2.40456</b>	<b>3.69269</b>
Wire	0.17	Cu	Copper	97.30	7440-50-8	0.16564	0.25438	2544
		Pd	Palladium	2.70	7440-05-3	0.00460	0.00706	71
		<b>Subtotal:</b>			<b>100.00</b>		<b>0.17024</b>	<b>0.26144</b>
Moldcompound	29.77	SiO2	Silica Fused	85.00	60676-86-0	25.30858	38.86644	388664
			Carbon Black	0.30	1333-86-4	0.08932	0.13718	1372
			Epoxy Resin	9.00	25928-94-3	2.67973	4.11527	41153
			Phenol Resin	5.70	28064-14-4	1.69716	2.60634	26063
		<b>Subtotal:</b>			<b>100.00</b>		<b>29.77480</b>	<b>45.72523</b>

The information provided in this statement represents ams AG knowledge and belief as of the date that it is provided. ams AG bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy and shall have no liability for the consequences of use of such information. ams AG has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. ams AG and its suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

**Material Declaration Form**

Page 2

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



Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Plating	1.2	Sn	Tin	100.00	7440-31-5	1.19720	1.83854	18385
<b>Subtotal:</b>				<b>100.00</b>		<b>1.19720</b>	<b>1.83854</b>	<b>18385</b>
<b>Total:</b>	<b>65.12</b>					<b>65.12</b>	<b>100.00000</b>	<b>1000000</b>

The information provided in this statement represents ams AG knowledge and belief as of the date that it is provided. ams AG bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy and shall have no liability for the consequences of use of such information. ams AG has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. ams AG and its suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.