

# 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
TDC-GP30YD-F01	sawn QFN 32ld, 5x5x0.9mm, 0.5mm	502030005	32	69.9	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	24.9	Ag	Silver	0.30	7440-22-4	0.07470	0.10687	1069
		Cu	Copper	97.25	7440-50-8	24.21525	34.64270	346427
		Fe	Iron	2.30	7439-89-6	0.57270	0.81931	8193
		Zn	Zinc	0.15	7440-66-6	0.03735	0.05343	534
		<b>Subtotal:</b>			<b>100.00</b>		<b>24.90000</b>	<b>35.62232</b>
Adhesive	1.1	Ag	Silver	80.00	7440-22-4	0.88000	1.25894	12589
			Carbocyclic Acrylates	15.00	3066-71-5	0.16500	0.23605	2361
			Epoxy Resin	5.00	25928-94-3	0.05500	0.07868	787
<b>Subtotal:</b>			<b>100.00</b>		<b>1.10000</b>	<b>1.57368</b>	<b>15737</b>	
IC	3.5	Si	Silicon	100.00	7440-21-3	3.50000	5.00715	50072
<b>Subtotal:</b>			<b>100.00</b>		<b>3.50000</b>	<b>5.00715</b>	<b>50072</b>	
Wire	1	Au	Gold	100.00	7440-57-5	1.00000	1.43062	14306
<b>Subtotal:</b>			<b>100.00</b>		<b>1.00000</b>	<b>1.43062</b>	<b>14306</b>	
Moldcompound	37	SiO2	Silica Fused	83.00	60676-86-0	30.71000	43.93419	439342
			Carbon Black	0.30	1333-86-4	0.11100	0.15880	1588
			Epoxy Resin	9.00	25928-94-3	3.33000	4.76395	47639
			Phenol Resin	7.70	28064-14-4	2.84900	4.07582	40758
<b>Subtotal:</b>			<b>100.00</b>		<b>37.00000</b>	<b>52.93276</b>	<b>529328</b>	
Plating	2.4	Sn	Tin	100.00	7440-31-5	2.40000	3.43348	34335
<b>Subtotal:</b>			<b>100.00</b>		<b>2.40000</b>	<b>3.43348</b>	<b>34335</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.

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
<b>Total:</b>	<b>69.9</b>					<b>69.90</b>	<b>100.00000</b>	<b>1000000</b>

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