

# 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
TDC-GP30YA-F01	sawn QFN 40ld, 6x6x0.9mm, 0.5mm	502030007	40	99.94	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	34.69	Ag	Silver	0.30	7440-22-4	0.10407	0.10413	1041
		Cu	Copper	97.25	7440-50-8	33.73603	33.75628	337563
		Fe	Iron	2.30	7439-89-6	0.79787	0.79835	7983
		Zn	Zinc	0.15	7440-66-6	0.05204	0.05207	521
		<b>Subtotal:</b>			<b>100.00</b>		<b>34.69000</b>	<b>34.71083</b>
Adhesive	1.6	Ag	Silver	80.00	7440-22-4	1.28000	1.28077	12808
			Carbocyclic Acrylates	15.00	3066-71-5	0.24000	0.24014	2401
			Epoxy Resin	5.00	25928-94-3	0.08000	0.08005	800
<b>Subtotal:</b>			<b>100.00</b>		<b>1.60000</b>	<b>1.60096</b>	<b>16010</b>	
IC	3.5	Si	Silicon	100.00	7440-21-3	3.50000	3.50210	35021
<b>Subtotal:</b>			<b>100.00</b>		<b>3.50000</b>	<b>3.50210</b>	<b>35021</b>	
Wire	1.45	Au	Gold	100.00	7440-57-5	1.45000	1.45087	14509
<b>Subtotal:</b>			<b>100.00</b>		<b>1.45000</b>	<b>1.45087</b>	<b>14509</b>	
Moldcompound	55.2	SiO2	Silica Fused	83.00	60676-86-0	45.81600	45.84351	458435
			Carbon Black	0.30	1333-86-4	0.16560	0.16570	1657
			Epoxy Resin	9.00	25928-94-3	4.96800	4.97098	49710
			Phenol Resin	7.70	28064-14-4	4.25040	4.25295	42530
<b>Subtotal:</b>			<b>100.00</b>		<b>55.20000</b>	<b>55.23314</b>	<b>552331</b>	
Plating	3.5	Sn	Tin	100.00	7440-31-5	3.50000	3.50210	35021
<b>Subtotal:</b>			<b>100.00</b>		<b>3.50000</b>	<b>3.50210</b>	<b>35021</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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Page 2

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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>99.94</b>					<b>99.94</b>	<b>100.00000</b>	<b>1000000</b>

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