

RoHS Certificates of Compliance for Customer		This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.	
RoHS Directive 2011/65/EU and any future amendments, addendum and decisions		Issue Date: 12 October, 2020	
Supplier Information			
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Family Series	Part Number	Description	Cert. revision
	HAD12-0.4-AG	POWER SUPPLY	1

RoHS Material Composition Declaration

RoHS Definition per Directive 2011/65/EU and 2015/863: Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) , Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP) and quantity limit of 0.01% by mass (100 PPM) in homogeneous material for Cadmium (Cd)

Supplier certifies that it gathered the information it provides in this form concerning RoHS restrictive substances using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Customer acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph.

- 1 - Item does not contain RoHS restricted substances per the definition above
- 2 - Item contains RoHS restricted substances above the limits per the definition above and is not under exemption. Please specify:
- Bis(2-ethylhexyl) phthalate (DEHP). **Will be restricted from 22 July 2019 per Directive 2015/863**
 - Butyl benzyl phthalate (BBP). **Will be restricted from 22 July 2019 per Directive 2015/863**
 - Dibutyl phthalate (DBP). **Will be restricted from 22 July 2019 per Directive 2015/863**
 - Diisobutyl phthalate (DIBP). **Will be restricted from 22 July 2019 per Directive 2015/863**
 - Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBB) or Polybrominated Diphenyl Ethers (PBDE). **Restricted from 3 Jan 2013 per Directive 2011/65/EU (Non-compliant)**
- 3 - Item does not contain RoHS restricted substances per the definition above, except for selected exemptions identified below

Exemptions: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and select all applicable exemptions.

Exemption List from Directive 2011/65/EU - Annex III

- 6(a)-I Lead as an alloying element in steel for machining purposes containing up to 0,35 % lead by weight and in batch hot dip galvanised steel components containing up to 0,2 % lead by weight (*6(a) expires 30 June 2019*)
- 6(b)-I Lead as an alloying element in aluminium containing up to 0,4 % lead by weight, provided it stems from lead-bearing aluminium scrap recycling (*6(b) expires 30 June 2019*)
- 6(b)-II Lead as an alloying element in aluminium for machining purposes with a lead content up to 0,4 % by weight (*6(b) expires 30 June 2019*)
- 6(c) Lead as an alloying element in copper containing up to 4% lead by weight.
- 7(a) Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)
- 7(c)-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.
- 7(c)-II Lead in dielectric ceramic in capacitors for a voltage of 125 V AC or 250 V DC or higher.
- 8(b)-I Cadmium and its compounds in electrical contacts used in: circuit breakers; thermal sensing controls; thermal motor protectors (excluding hermetic thermal motor protectors); AC switches rated at: • 6 A and more at 250 V AC and more; or • 12 A and more at 125 V AC and more; DC switches rated at 20 A and more at 18 V DC and more; and switches for use at voltage supply frequency ≥ 200 Hz
- 15 Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages.
- 34 Lead in cermet-based trimmer potentiometer elements
- 37 Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body

If other exemptions are required to be reported please enter below:

Declaration Signature

Supplier Signature



12 October, 2020