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# Certificate of RoHS and HF Compliance

## AS5147U/AS5247U

This is to certify that our product(s) listed on page two fully comply with below RoHS directives:

**EU RoHS Compliance.** As declared per Directive 2011/65/EU, quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium.

**EU RoHS Phthalates Content.** As declared per amendment EU 2015/863, RoHS Phthalates: Bis(2-Ethylhexyl) Phthalate (DEHP), Benzyl Butyl Phthalate (BBP), Dibutyl Phthalate (DBP), and Diisobutyl Phthalate (DIBP), are added in the list of restricted substances with limits of 0.1% by mass (1000 PPM) on the homogeneous material level.

**China RoHS.** Hazardous substances similar to EU RoHS do not exceed concentration limits, quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium.

**中国RoHS。**与欧盟RoHS类似的有害物质在以下均质材料中的质量不超过浓度限制——0.1% (1000 PPM)数量限制：铅(Pb)、汞、六价铬、多溴联苯、多溴二苯醚，均质镉材料质量(100 PPM)的0.01%数量限制。

**Halogen Free (HF).** Chemical substances chlorine and bromine do not exceed the threshold limits of 0.09% by mass (900 PPM) each, and the sum of these substances does not exceed the limit of 0.15% by mass (1500 PPM).

**无卤 (HF) 检测。**化学物质氯和溴在材料中的质量分别都不超过 0.09% (900 PPM) 的阈值限制，这些物质的总和也不超过 0.15% (1500 PPM) 的阈值限制。

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Ordering Code	Material Number
AS5147U-HTSM	505580013 (AS5147U-HTSM TSSOP14 LF T&RDP)
AS5147U-HTST	505580014 (AS5147U-HTST TSSOP14 LF T&RDP)
AS5247U-HTQT	507940008 (AS5247U-HTQT ePTQFP32 LF T&RDP)