

Certificate of Non-use of The Controlled Substances (RoHS-2 Certificate of Compliance)

Date: 2017-03

E-mail: info@profichip.com

| P/N (order Code) | P/N (Order Code) |
|-------------------------------------|-------------------------------|
| VPC3+CLF (PALF2030) | VPC3+S-BGA48 (PALF2009) |
| VPCLS2 (PA002005) | VPC3+S-QFP48 (PALF2012) |
| MPI12x (PALF2060) | SNAP+ (PA007713) |
| VPC3+CLF3 (PALF2080) | SMC1000 (PA007715) |
| ANT1000/ANT1001 (PAAC1000/PAAC1001) | proficonn (PA003140/PA003141) |

Products listed are in compliance with Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment. In addition, this declaration of conformity is issued under the sole responsibility of profichip. Specifically, products manufactured do not contain the substances listed in the table below in concentrations greater than the listed maximum value.

Substances Prohibited as per RoHS requirement

| Substance | Maximum Concentration Value |
|----------------------------------------|-----------------------------|
| Cadmium (Cd) | < 0,01% = < 100 ppm |
| Lead (Pb) | < 0,10% = < 1,000 ppm |
| Mercury (Hg) | < 0,10% = < 1,000 ppm |
| Hexavalent Chromium (Cr6+) | < 0,10% = < 1,000 ppm |
| Poly Brominated Biphenyls (PBB) | < 0,10% = < 1,000 ppm |
| Poly Brominated Diphenyl Ethers (PBDE) | < 0,10% = < 1,000 ppm |
| Cl (Chlorine) | 0.09%wt (900 ppm) |
| Br (Bromine) | 0.09%wt (900 ppm) |
| Total halogens contained (Cl+Br) | 0,15%wt (1,500ppm) |
| Perfluorooctane sulphonates (PFOS) | < 0.10% (1000 ppm) |
| Bis(2-ethylhexyl) phthalate (DEHP) | < 0,10% = < 1,000 ppm |
| Butyl benzyl phthalate (BBP) | < 0,10% = < 1,000 ppm |
| Dibutyl phthalate (DBP) | < 0,10% = < 1,000 ppm |
| Diisobutyl phthalate (DIBP) | < 0,10% = < 1,000 ppm |

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| <ol style="list-style-type: none"> 1 Heavy metals <ol style="list-style-type: none"> a. Cadmium and cadmium compounds b. Lead and lead compounds c. Mercury and mercury compounds d. Hexavalent chromium compounds e. Nickel and nickel compounds 2 Brominated organic compounds <ol style="list-style-type: none"> a. Polybrominated biphenyls (PBB) b. Polybrominated diphenylethers (PBDE) c. Other brominated organic compounds 3 Chlorinated organic compounds <ol style="list-style-type: none"> a. Polychlorinated biphenyls (PCB) | <ol style="list-style-type: none"> b. Polychlorinated naphthalenes (PCN) c. Polychlorinated terphenyls (PCT) d. Chlorinated paraffins (CP) e. Other chlorinated organic compounds 4 Tributyl tin compound, Triphenyl tin compounds 5 Asbestos 6 Specific Azo compounds 7 Formaldehyde 8 Polyvinyl chloride (PVC) and PVC blends 9 PFOS: PerFluoroOctane sulfonates (C₈H₁₇F₃O₃S) |
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RoHS requirement Level 5: Exemptions

1. Mercury in compact fluorescent lamps not exceeding 5 mg per lamp.
2. Mercury in straight fluorescent lamps for general purposes not exceeding:
 - halophosphate 10 mg
 - triphosphate with normal lifetime 5 mg
 - triphosphate with long lifetime 8 mg
3. Mercury in straight fluorescent lamps for special purposes.
4. mercury in other lamps not specifically mentioned in this Annex.
5. Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.
6. Lead as an alloying element in steel containing up to 0.35 % lead by weight, aluminum containing up to 0.4% lead by weight and as copper alloy containing up to 4% lead by weight.
7. - Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead),
 - Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission as well as network management for telecommunications,
 - Lead in electronic ceramic parts (e.g. piezoelectronic devices);
8. Cadmium and its compounds in electrical contacts and cadmium plating expect for applications banned under Directive 91/338/EEC (*) amending Directive 76/769/EEC (**) relating to restrictions on the marketing and use of certain dangerous substances and preparations.
9. Hexavalent chromium as an anti-corrosion of the carbon steel cooling system in absorption refrigerators.
 - 9a. Deca BDE in polymeric applications;
 - 9b. Lead in lead-bronze bearing shells and bushes
10. Within the procedure referred to in Article 7(2), the Commission shall evaluate the applications for:
 - Deca BDE
 - Mercury in straight fluorescent lamps for special purposes
 - Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission as well as network management for telecommunications (with a view to setting a specific time for this exemption), and light bulbs, as a matter of priority in order to establish as soon as possible whether these items are to be amended accordingly.
11. Lead used in compliant pin connector systems.
12. Lead as a coating material for the thermal conduction module c-ring.
13. Lead and cadmium in optical and filter glass.
14. Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80% and less than 85% by weight.
15. Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages.