January 2023

Certificate of RoHS Compliance

As a component supplier, GradConn is not directly impacted by RoHS, as none of our products are electrical or electronic products themselves. However, the products made by our customers, in which these components are utilized, are affected by the legislation. GradConn must therefore take responsibility for the content of its products. GradConn certify that the following part(s) meet the European Union's RoHS (Restriction of hazardous Substances) 2011/65/EU & 2015 /863/EU and that the concentrations are within the maximum permissible levels.

Material	Concentration
Cadmium Cd	0.01% by weight in homogenous material
Hexavalent chromium	0.1% by weight in homogenous material
Lead Pb	0.1% by weight in homogenous material
Mercury Hg	0.1% by weight in homogenous material
Poly Brominated Biphenyl PBB	0.1% by weight in homogenous material
Poly Brominated Diphenyl Ether PBDE	0.1% by weight in homogenous material
Bis(2-Ethylhexyl) phthalate DEHP	0.1% by weight in homogenous material
Benzyl butyl phthalate BBP	0.1% by weight in homogenous material
Dibutyl phthalate DBP	0.1% by weight in homogenous material
Diisobutyl phthalate DIBP	0.1% by weight in homogenous material

GradConn Product Family	Description
All part codes beginning BB02	Board to Board Connectors
All part codes beginning CH03	SIM Card Connectors
All part codes beginning UC04	Micro USB2.0 Connectors
All part codes beginning CABLE, RFCT & RFPC	RF Coaxial Cable Assemblies & Connectors
All part codes beginning WB & WH	Wire to Board Connectors

For all other part codes please contact your nearest GradConn office

REACH Directive

In 2007, the European Regulation (EC) 1907/2006 was introduced. REACH covers the Registration, Evaluation, Authorization and Restriction of Chemicals. Several iterations of the substance list have been issued since 2007. As of June 2022 the list contains 233 substances of very high concern.
See European Chemicals Agency website for more information.

GradConn has reviewed its product range, currently we do not have any items with a chemical content that necessitates registration under the REACH Directive. **Lead(Pb) is used in alloys (brass) at a level>0.1% w/w in the manufacture of RF connectors (all part codes beginning CABLE, RFCT & RFPC.)** As the total amount of lead(Pb) used in our articles imported into the E.U. is less than one tonne per year, our products are exempt from REACH pre-registration. GradConn is concerned about the environment and our impact upon it. We are proactive in minimising our use of chemicals wherever possible. We liaise with our suppliers to ensure compliance with all legislation on chemical usage. If a change in REACH status for any GradConn product occurs in the future, as a result of a process or material change, we will inform that customer(s) accordingly and register that chemical with Reach.
This certificate covers our standard range of connectors, wire harness and cable assembly products, as listed on our website. Custom/special assemblies and connectors may not be covered and customers should contact us if they require confirmation on specific products.

PFOA: Commission Delegated Regulation (EU) 2020/784 of 8 April 2020 amending Annex I to Regulation (EU) 2019/1021 Gradconn confirms specifically that all our standard parts are free from Perfluorooctanoic acid ('PFOA'), its salts and PFOA-related substances.

Compliance with The Toxic Substances Control Act (USA) – PBT Chemicals Restrictions

On January 6, 2021, the U.S. Environmental Protection Agency (EPA) published final rules under Toxic Substances Control Act (TSCA) Section 6(h) to restrict the importation and use of the following five persistent, bio-accumulative, and toxic (PBT) chemicals:

- PIP (3:1) (phenol, isopropylated phosphate (3:1), CAS 68937-41-7)
- DecaBDE (decabromodiphenyl ether, CAS 1163-19-5)
- 2,4,6 TTBP (2,4,6-tris(tert-butyl)phenol, CAS 732-26-3)
- HCBD (hexachlorobutadiene, CAS 87-68-3)
- PCTP (pentachlorothiophenol, CAS 133-49-3)

Gradconn certifies that all standard parts, as stated above, do not contain any of the above substances at any concentration.