

Environmental Compliance Report

Part Number : 59453-131110EDHLF
 Part Description : FPC/FFC - 0.50mm Flex Connectors, FPC/FFC Side Entry ZIF Connector, Surface Mount, 13 Positions, Bottom Contact, 0.50mm (0.020in) Pitch.
 Status : active

[Applicable Environmental Specification](#)

EU RoHS Status¹ :

EU RoHS Exemptions² :

China RoHS Status :



Not Applicable

| Hazardous Substance | | | | | |
|---------------------|---|--------------|-----------------------------|-------------------------------|-------------------------------------|
| Lead (Pb) | Mercury (Hg) | Cadmium (Cd) | Hexavalent Chromium (Cr 6+) | Polybrominated biphenyl (PBB) | Polybrominated diphenylether (PBDE) |
| 0 | 0 | 0 | 0 | 0 | 0 |
| | This table is prepared according to SJ/T 11364. O: Indicates that this hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in GB/T 26572. X: Indicates that this hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in GB/T 26572. | | | | |

REACH/SVHC Compliant³ : Yes
 Low Halogen/Halogen Free⁴ : Yes
 Korea/India/Singapore/UAE/Turkey/Japan/Taiwan RoHS Compliant: Yes
 PFOS/PFOA Free : Yes
 Red Phosphorous Free : Yes
 ⚠ WARNING (CA Prop 65)⁵ : This product can expose you to Cobalt, Lead, Nickel which are known to the State of California to cause Cancer, Developmental Toxicity, Male And Female Reproductive Toxicity.

Martha N. Coopersmith-Gray
 Director – Environmental, Health, Safety, Sustainability and Product Stewardship, Amphenol ICC

1: EU RoHS compliant part numbers have a maximum concentration of 0.1% by weight in homogeneous materials for lead, hexavalent chromium, mercury, PBB, PBDE compounds, DEHP, BBP, DBP, DIBP and also 0.01% for cadmium compounds. EU RoHS Compliant part numbers may qualify for an exemption to the above limits as defined in the EU RoHS Directive.

2: European Union RoHS Compliance Exemption Description

| Exemption | Description |
|-----------|---|
| 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(b)-II | Lead as an alloying element in aluminium for machining purposes with a lead content up to 0.4 % by weight |
| 6(c) | Copper alloy containing up to 4 % lead by weight |
| 7(c)-I | Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors |

3: REACH/SVHC Compliant "Yes" means none of the SVHC candidate list of substances published by European Chemical Agency (ECHA) on or before **16 January 2020** is present more than or equal to 0.1% in the article. "No" means at least one or more of the SVHC candidate list substances is present at levels more than or equal to 0.1% in the article; send an email to env.pc@amphenol-icc.com for a more comprehensive Certificate of Compliance letter that describes the SVHC substance and amount in this article.

4: Low Halogen definition (according to JEDEC/ECA Standard JS709): For components other than printed board and substrate laminates, the plastic within the component shall contain <1000 ppm (0.1%) of bromine [if the bromine source is from a BFR] and <1000 ppm (0.1%) of chlorine [if the chlorine source is from a CFR, PVC or PVC copolymer].

Halogen Free definition (according to IEC 61249-2-21): Materials for printed boards and other interconnecting structures the plastic shall contain < 900ppm of Bromine or Chlorine and <1500ppm of Bromine and Chlorine combined from any source.

5: For more information go to <http://www.p65warnings.ca.gov/>.

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