### Environmental Category & Description

<table>
<thead>
<tr>
<th>Details for:</th>
<th>XRT94L33IB</th>
</tr>
</thead>
<tbody>
<tr>
<td>**RoHS</td>
<td>Exempt**</td>
</tr>
<tr>
<td><strong>RoHS</strong></td>
<td>If “Y”, then product is RoHS compliant meeting the requirements of Directive (EU) 2015/863 with no exemptions taken. See Appendix B.</td>
</tr>
<tr>
<td><strong>Halogen Free</strong></td>
<td>If “Y”, then product is halogen and lead (Pb) free. Green products meet RoHS requirements plus additional hazardous material restrictions. See Appendix C.</td>
</tr>
<tr>
<td><strong>REACH</strong></td>
<td>If “Y”, then product does not use any Substances of Very High Concern (SVHC) under REACH requirements. See Appendix D for a list of these substances. If &quot;N&quot;, please see Appendix E for SVHC that is contained in this product</td>
</tr>
<tr>
<td><strong>TSCA</strong></td>
<td>If “Y”, then product is compliant and does not use any of the Toxic Substance Control Act (TSCA) restricted substances. See Appendix F for a list of these substances.</td>
</tr>
</tbody>
</table>

MaxLinear, Inc.
Quality and Reliability
Mar 22, 2024
Appendix A | RoHS with Exemption

<table>
<thead>
<tr>
<th>Exemption</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7a</td>
<td>Lead in high melting temperature type solders</td>
</tr>
<tr>
<td>7c</td>
<td>Electrical and electronic components containing lead in a glass or ceramic, e.g., piezoelectronic devices, or in a glass or ceramic matrix compound.</td>
</tr>
<tr>
<td>15</td>
<td>Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages</td>
</tr>
</tbody>
</table>

Appendix B | RoHS Directive (EU) 2015/863

<table>
<thead>
<tr>
<th>Restricted Substance</th>
<th>Allowable Limit (at homogenous material level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium (Cd)</td>
<td>100 ppm (0.01 weight %)</td>
</tr>
<tr>
<td>Mercury (Hg)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Lead (Pb)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Hexavalent Chromium (Cr6+)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Polybrominated biphenyls (PBB)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Polybrominated diphenyl ethers (PBDE)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Bis (2-Ethlyphenyl) phthalate (DEHP)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Benzy butyl phthalate (BBP)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Dibutyl phthalate (DBP)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Diisobutyl phthalate (DIBP)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
</tbody>
</table>

Appendix C | Halogen Free

<table>
<thead>
<tr>
<th>Restricted Substance</th>
<th>Allowable Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromine (Br)</td>
<td>900 ppm</td>
</tr>
<tr>
<td>Chlorine (Cl)</td>
<td>900 ppm</td>
</tr>
<tr>
<td>Antimony (Sb)</td>
<td>900 ppm</td>
</tr>
<tr>
<td>Medium Chain Chlorinated Paraffins (MCCP)</td>
<td>900 ppm Total</td>
</tr>
</tbody>
</table>

Appendix D | REACH 235 - Regulation (EC) No 1907/2006 (Threshold Limit 1000ppm (0.1% w/w))

<table>
<thead>
<tr>
<th>Restricted Substance</th>
<th>EC Number</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>235 n-hexyl-(2-ethylhexyl)tetrahydrofuran</td>
<td>201-236-9</td>
<td>900 ppm</td>
</tr>
<tr>
<td>236 reaction mass of 2,2,3,3,5,6,6,octafluoro-4-(1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,octafluoro-4-(heptafluoropropyl)morpholine</td>
<td>473-390-7</td>
<td>-</td>
</tr>
<tr>
<td>237 1,5-di(n-hexyl)pentan-3-one</td>
<td>204-327-1</td>
<td>900 ppm</td>
</tr>
<tr>
<td>238 1,3-di(2,4-diisobutylphenyl) benzene</td>
<td>213-934-0</td>
<td>900 ppm</td>
</tr>
<tr>
<td>239 4,4'-sulphonyldiphenol</td>
<td>278-355-8</td>
<td>900 ppm</td>
</tr>
<tr>
<td>240 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol</td>
<td>201-250-5</td>
<td>900 ppm</td>
</tr>
<tr>
<td>241 2,2-diisobutyl-1,2,2,2-tetrachloroethane</td>
<td>201-914-2</td>
<td>900 ppm</td>
</tr>
<tr>
<td>242 2,2-diisobutyl-1,1,1-trichloroethane</td>
<td>203-615-4</td>
<td>900 ppm</td>
</tr>
<tr>
<td>243 2,2,2-diisobutyl-1,1,1-trichloroethane</td>
<td>206-798-9</td>
<td>900 ppm</td>
</tr>
<tr>
<td>244 2,2-diisobutyl-1,1,1-trichloroethane</td>
<td>243-518-4</td>
<td>900 ppm</td>
</tr>
<tr>
<td>245 2,2-diisobutyl-1,1,1-trichloroethane</td>
<td>253-692-3</td>
<td>900 ppm</td>
</tr>
</tbody>
</table>

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213 2,2-bis(bromomethyl)propane, 1,3-diol (BMP); 2,2-dimethyl-1,3-propanediol (TMP); 2,3-dimethyl-1-propanol (2,3-DMPA)

Date of Inclusion: January 19, 2021

EC Number: CAS Number:

214 1,4-dioxane

Date of Inclusion: June 25, 2020

EC Number: CAS Number:

215 Dioctyltin dilaurate, stannane, dioctyl, bis(2-ethylhexyl) acrylate, and any other stannane, dioctyl, bis(fatty acyl) or deriv. wherein Cl2 is the predominant carbon number of the fatty acyl moiety

Date of Inclusion: January 16, 2020

EC Number: CAS Number:

216 Bis(2-ethylhexyl)phthalate

Date of Inclusion: June 20, 2016

EC Number: CAS Number:

217 Butyl 4-hydroxybenzoate

Date of Inclusion: January 15, 2019

EC Number: CAS Number:

218 2-methyl-5-isothiazolin-3-one (MI); 5-methyl-1,3-dioxane-4-morpholinobutane

Date of Inclusion: July 16, 2019

EC Number: CAS Number:

219 2,3,3,3-tetrafluoro-2-(heptfluoropropoxy)propionic acid, its salts and its acyl halides

Date of Inclusion: June 27, 2018

EC Number: CAS Number:

220 2-methoxyethyl acetate

Date of Inclusion: January 19, 2021

EC Number: CAS Number:

221 Tris(4-nonylphenyl), branched and linear phosphate (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)

Date of Inclusion: January 15, 2019

EC Number: CAS Number:

222 1,7,7-trimethyl-3-phenylpropylene/bicyclo[2.2.1]heptan-2-one

Date of Inclusion: Dec 17, 2015

EC Number: CAS Number:

223 Pyrene

Date of Inclusion: Jun 20, 2016

EC Number: CAS Number:

224 Phenanthrene

Date of Inclusion: Dec 22, 2016

EC Number: CAS Number:

225 Fluoranthene

Date of Inclusion: July 28, 2018

EC Number: CAS Number:

226 Benz(a)anthracene

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

227 Cadmium carbonate

Date of Inclusion: Jul 07, 2017

EC Number: CAS Number:

228 Cadmium hydroxide

Date of Inclusion: Dec 19, 2016

EC Number: CAS Number:

229 Cadmium nitrate

Date of Inclusion: Dec 17, 2017

EC Number: CAS Number:

230 Chrysene

Date of Inclusion: Jun 20, 2016

EC Number: CAS Number:

231 Dodecafluorodecanoic acid (PFDA) and its salts

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

232 Dibenzo(a,h)anthracene (2,3,7,8-tetrachlorobiphenyl)

Date of Inclusion: Dec 22, 2016

EC Number: CAS Number:

233 Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts

Date of Inclusion: Jun 25, 2020

EC Number: CAS Number:

234 Lead

Date of Inclusion: Jun 15, 2015

EC Number: CAS Number:

235 Benzo[g]fluoranthene

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

236 Diphenyl ether

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

237 Benzo[a]pyrene

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

238 Butyl 4-hydroxybenzoate

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

239 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)

Date of Inclusion: Jun 27, 2017

EC Number: CAS Number:

240 1,3,8-trihydroxy-2,4,5-tris(2,4-dimethoxyphenyl)benzene

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

241 Perfluorobutane-1-sulphonic acid and its salts (PFBS) and its salts

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

242 Perfluorobutane-1-sulphonic acid and its salts (PFBS) and its salts

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

243 perfluorooctanoic acid and its salts (PFOS) and its salts

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

244 perfluorooctane sulfonate (PFOS) and its salts and its acyl halides

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

245 perfluorooctane sulfonate (PFOS) and its salts and its acyl halides

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

246 perfluorooctane sulfonate (PFOS) and its salts and its acyl halides

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

247 perfluorooctane sulfonate (PFOS) and its salts and its acyl halides

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

248 perfluorooctane sulfonate (PFOS) and its salts and its acyl halides

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

249 perfluorooctane sulfonate (PFOS) and its salts and its acyl halides

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

250 perfluorooctane sulfonate (PFOS) and its salts and its acyl halides

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:

251 perfluorooctane sulfonate (PFOS) and its salts and its acyl halides

Date of Inclusion: Jan 15, 2018

EC Number: CAS Number:
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Appendix E | REACH Substance intentionally added (See page 1, Environmental Category & Description, if applicable to this product.)

<table>
<thead>
<tr>
<th>Restricted Substance</th>
<th>Where used</th>
<th>CAS Number</th>
<th>Threshold Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4'-Isopropylidenediphenol (Bisphenol A)</td>
<td>Substrate laminate</td>
<td>80-05-7</td>
<td>&gt;0.1% w/w</td>
</tr>
</tbody>
</table>

Appendix F | TSCA

<table>
<thead>
<tr>
<th>Restricted Substance</th>
<th>CAS Number</th>
<th>Threshold Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)</td>
<td>732-26-3</td>
<td>&gt;0.3% w/w</td>
</tr>
<tr>
<td>Hexachlorobutadiene (HCBD)</td>
<td>87-68-3</td>
<td>&gt;0% w/w</td>
</tr>
<tr>
<td>Pentachlorophenol (PCP)</td>
<td>133-49-3</td>
<td>&gt;1% w/w</td>
</tr>
<tr>
<td>Decabromodiphenyl ether (DecaBDE)</td>
<td>1163-19-5</td>
<td>&gt;0% w/w</td>
</tr>
<tr>
<td>Phenol, isopropylated phosphate (3:1) (PIP 3:1)</td>
<td>68937-41-7</td>
<td>&gt;0% w/w</td>
</tr>
</tbody>
</table>