



RoHS Product Addendum

SynQor RoHS Product Information

RoHS COMPLIANCE

The EU led RoHS (Restriction of Hazardous Substances) Directive bans the use of Lead, Cadmium, Hexavalent Chromium, Mercury, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ether (PBDE), Deca Brominated Diphenyl Ether (Deca BDE), and intentional additives Perfluorocantylsulfonates (PFOS) in Electrical and Electronic Equipment. SynQor products that have the "-G" suffix are fully 6/6 RoHS compliant while those without the suffix are 5/6 RoHS compliant and may contain lead. Additional RoHS information as well as the SynQor RoHS and REACH Certificate of Compliance is available on the RoHS Compliance / Lead Free Initiative web page, or e-mail us at rohs@synqor.com.

QUALIFIED LEAD-FREE MATERIALS

SynQor has fully qualified the following materials that are used in SynQor's lead-free, RoHS compliant product:

- PCB Construction and Finish: High Tg Materials with ENIG surface finish.
- Solder & Solder Paste: No Clean SAC 305 Lead-Free Alloy, exceeds Telcordia GR78-CORE requirements for SIR and electromigration.
- Pins: Solder finish is Matte Tin over Ni under-plating (mitigates tin whisker growth).

MANUFACTURING WITH RoHS PRODUCT

Both 5/6 and 6/6 RoHS compliant SynQor products can be used in lead-free wave solder and selective solder processes at solder temperatures not exceeding 265° C for 10 seconds.

Both 5/6 and 6/6 RoHS compliant SMT SynQor products are compatible with lead-free reflow processing, not to exceed 240° C for 10 seconds per IPC and NEMI guidelines. RoHS compliant through-hole products are compatible with the lead-free reflow process of 240° C for 10 seconds.

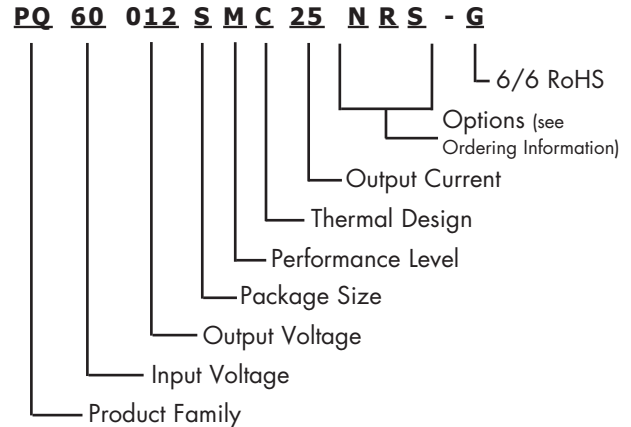
Base-plated, Encased, or Insulated products may not be reflowed under any circumstance, regardless of their RoHS compliance status. Refer to Base-plate Soldering and Aqueous Cleaning product advisory for further details.

Contact SynQor for further information:

Phone: 978-849-0600
 Toll Free: 888-567-9596
 Fax: 978-849-0602
 E-mail: power@synqor.com
 Web: www.synqor.com
 Address: 155 Swanson Road
 Boxborough, MA 01719
 USA

PART NUMBERING SYSTEM

The part numbering system for SynQor's dc-dc converters follows the format shown in the example below.



A suffix of the two characters "-G" defines the module as a fully RoHS compliant device (6/6 RoHS compliance). The first 15 characters are not affected and retain SynQor's standard nomenclature structure.

PATENTS

SynQor holds the following U.S. patents, one or more of which apply to each product listed in this brochure. Additional patent applications may be pending or filed in the future.

5,999,417	6,222,742	6,545,890	6,577,109	6,594,159
6,731,520	6,894,468	6,896,526	6,927,987	7,050,309
7,072,190	7,085,146	7,119,524	7,269,034	7,272,021
7,272,023	7,558,083	7,564,702		

Warranty

SynQor offers a limited warranty. Complete warranty information is listed on our website or is available upon request from SynQor.

Information furnished by SynQor is believed to be accurate and reliable. However, no responsibility is assumed by SynQor for its use, nor for any infringements of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of SynQor.