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Green Materials Set at BitParts, Inc.

To enable compliance with RoHS standards—for the restriction of the use of certain hazardous substances in electrical and electronic equipment—BitParts has adopted a “green” materials set. All BitParts products having a G suffix (such as the QB104M3G) are assembled with this “green” Pb-free materials set.

The “G” materials set reduces the levels of Restricted Substances below the 1 July 2006 EU mandated limits in homogeneous materials:

Lead	(Pb)	<	0.1%
Cadmium	(Cd)	<	0.01%
Mercury	(Hg)	<	0.1%
Hexavalent Chromium	(Cr ⁶⁺)	<	0.1%
Polybrominated Biphenyls	(PBB)	<	0.1%
Polybrominated Diphenyl Esters	(PBDE)	<	0.1%

The coating of “G” part leads is 100% tin (Sn). Die attach is performed with silver-bearing (Ag) adhesive. The encapsulation material has been selected both to minimize hazardous substances and to withstand higher soldering temperatures better.

To minimize confusion, the Pb-free “G” part’s ordering number and package marking both differ from the electrically identical but non-compliant part.

Please contact us with any questions. Thank you.

Best regards,

J. S. Congdon, president BitParts, Inc.