

Product Development Kit BG2B-F shown above.

Powerex Product Development Kits: BG2B-F

Powerex launched its Product Development Kit program to help customers speed up their IGBT gate drive designs. The kits include samples of Powerex hybrid gate drivers, dc-dc converters, a prototype PC board, along with technical literature recommending all parts to complete the gate drive circuit.

To kick of this program, Powerex is offering four kits containing its BG1A Universal High Power IGBT Module Gate Driver Board and its BG2B Universal Dual IGBT Module Gate Driver Board, each available for compatibility with Powerex F-Series or KA-Series IGBT modules.

BG2B is a fully isolated gate drive circuit board designed for use with dual IGBT modules. When the board is populated, gate drive is supplied by M57159L, M57959L, M57962L or M57160AL hybrid gate drivers to provide efficient switching of modules rated up to 400A. The hybrid gate drivers also provide protection against unexpected short circuit conditions. Isolated control power for the driver is supplied by a pair of onboard M57145L-01 regulated DC/DC converters. The fault feedback signals are optically isolated.

Powerex - a joint venture of Mitsubishi Electric and General Electric - is a pioneer in high power semiconductor applications, specializing in turning ideas into cost effective, practical products.

BG2B-F
Dual F-Series
KIT Contents

2 – M57145L-01
2 – M57160AL-01
1 – BG2B bare PCB
1 – PCB Component List