

Digital Programmable Gate Driver ICs for SiC

Key Features:

- Patented Augmented Switching™
- Patented Robust Short Circuit Detection
- Temperature & DC Link Monitoring
- 7 Unique Fault Conditions
- UVLO, OVLO
- Overcurrent Protection



ASD1
Non-Isolated

In Production



ASD2
Non-Isolated

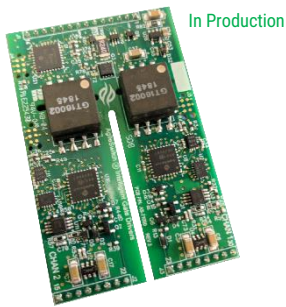
Coming Q4 2019



ASD3
Isolated

Coming Q2 2020

Gate Driver Cores for SiC

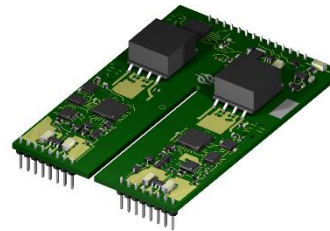


In Production

◀ Key Features ▶

- 15 Software Configurable Features
- Programmable +/-Vgs
- Patented Augmented Switching™
- DC-DC Converter
- Temperature & DC Link Monitors
- Up to 7 unique Faults

2ASC-12A1HP
1200V Dual-Channel Core
3W/10A



Coming Q3 2019

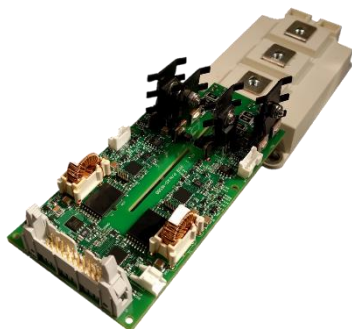
2ASC-17A1HP
1700V Dual-Channel Core
5W/ 20A

Module Adapter Board
Designs Available!



62mm Adapter
See reverse for details

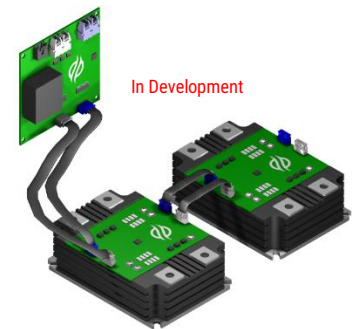
Gate Driver Boards for SiC



62mm SiC Series
10W/ 20A



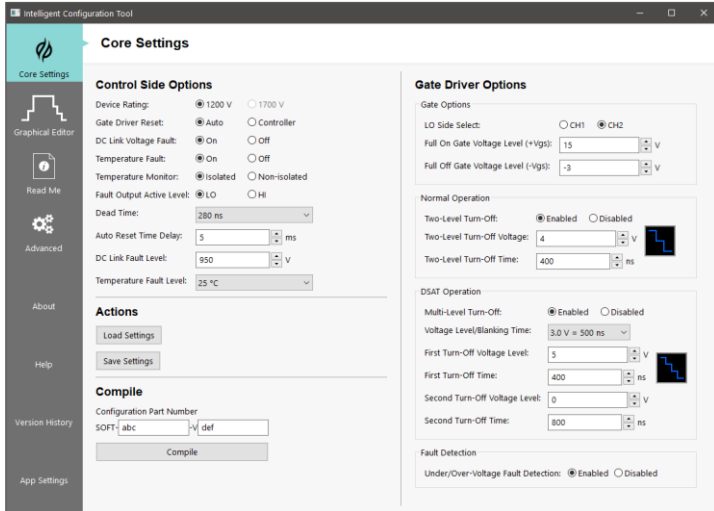
EDEM SiC Series
3W/ 15A



In Development

XHP SiC Series
10W/ 30A

Intelligent Configuration Tool – ICT



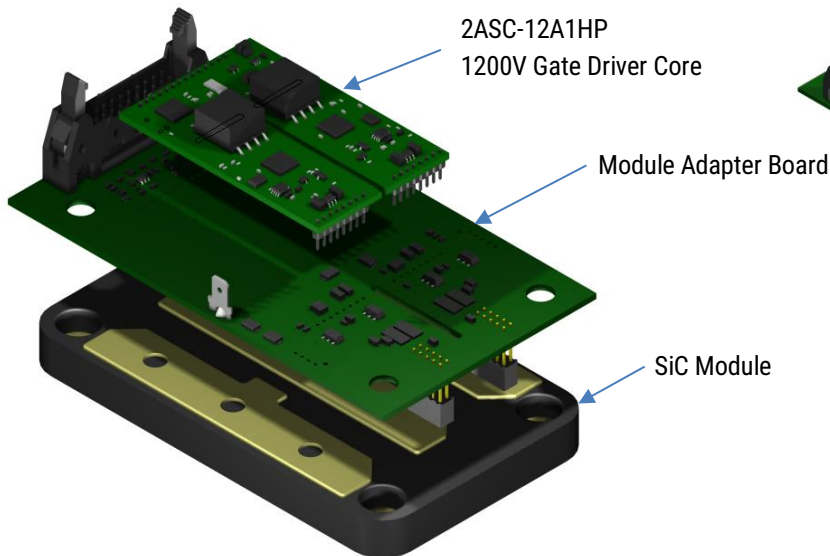
Optimize with a Keystroke

- Adjust Settings for...
 - Augmented Switching™ Profiles
 - Fault Reporting
 - DC Link and Temperature Trip Levels
 - On & Off Gate Voltages*
- Quickly and Easily Characterize New Devices
- Change Driver Settings in the Field
- Available for SiC Cores and 62EM Gate Drivers

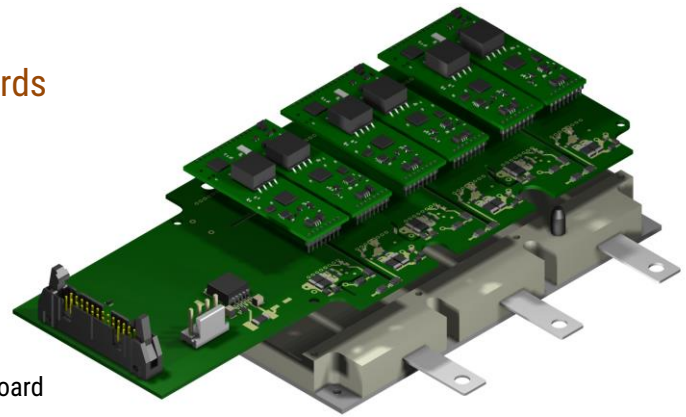
*SiC Cores Only

Module Adapter Boards

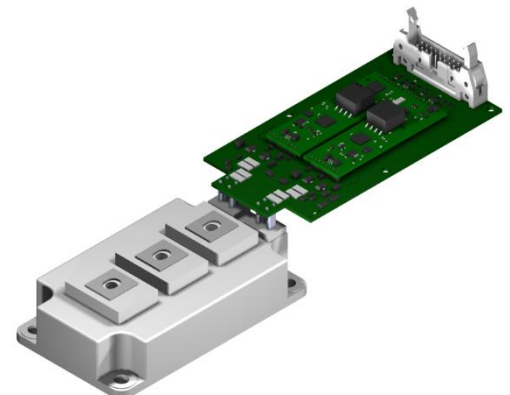
- Dedicated Design & Support Team
- Readily Available Family of Tested Module Adapter Boards
- Custom Adapter Boards (NRE)



*High Performance 62mm Half-Bridge Module Adapter
for 2ASC-12A1HP*



Automotive Adapter for 2ASC-12A1HP



62mm Half-Bridge Module Adapter for 2ASC-12A1HP

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Microchip:](#)

[2ASC-17A1HP](#)