

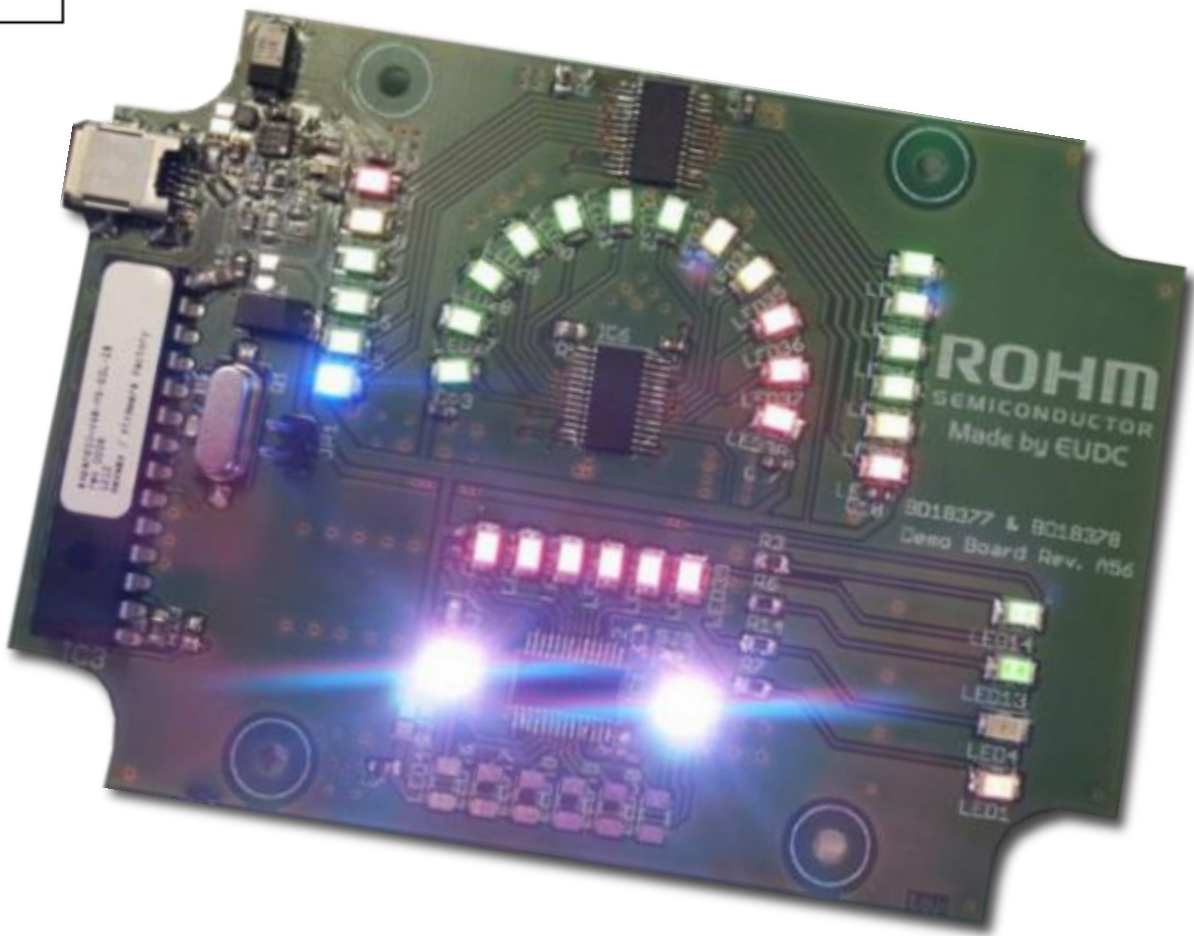
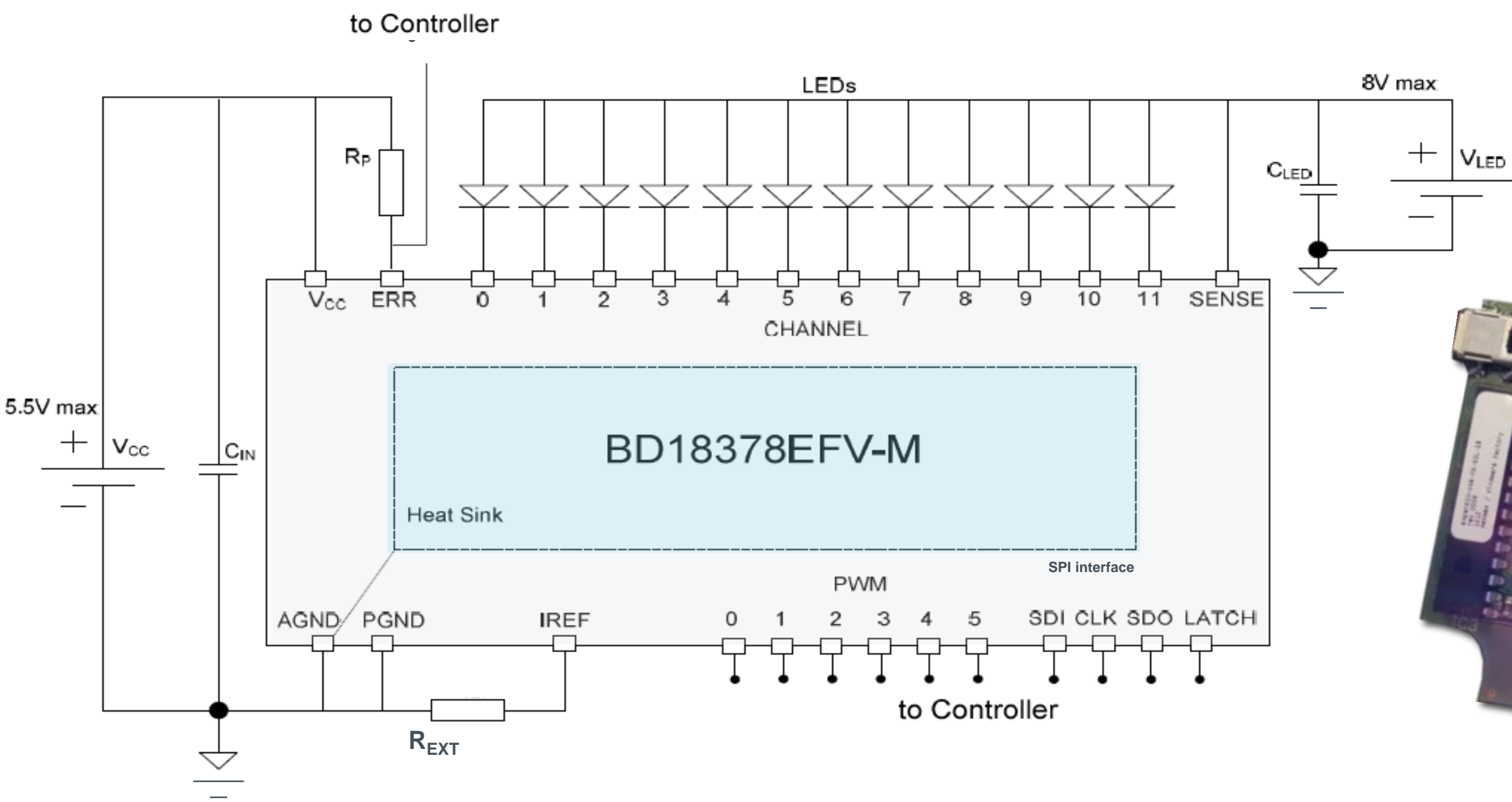
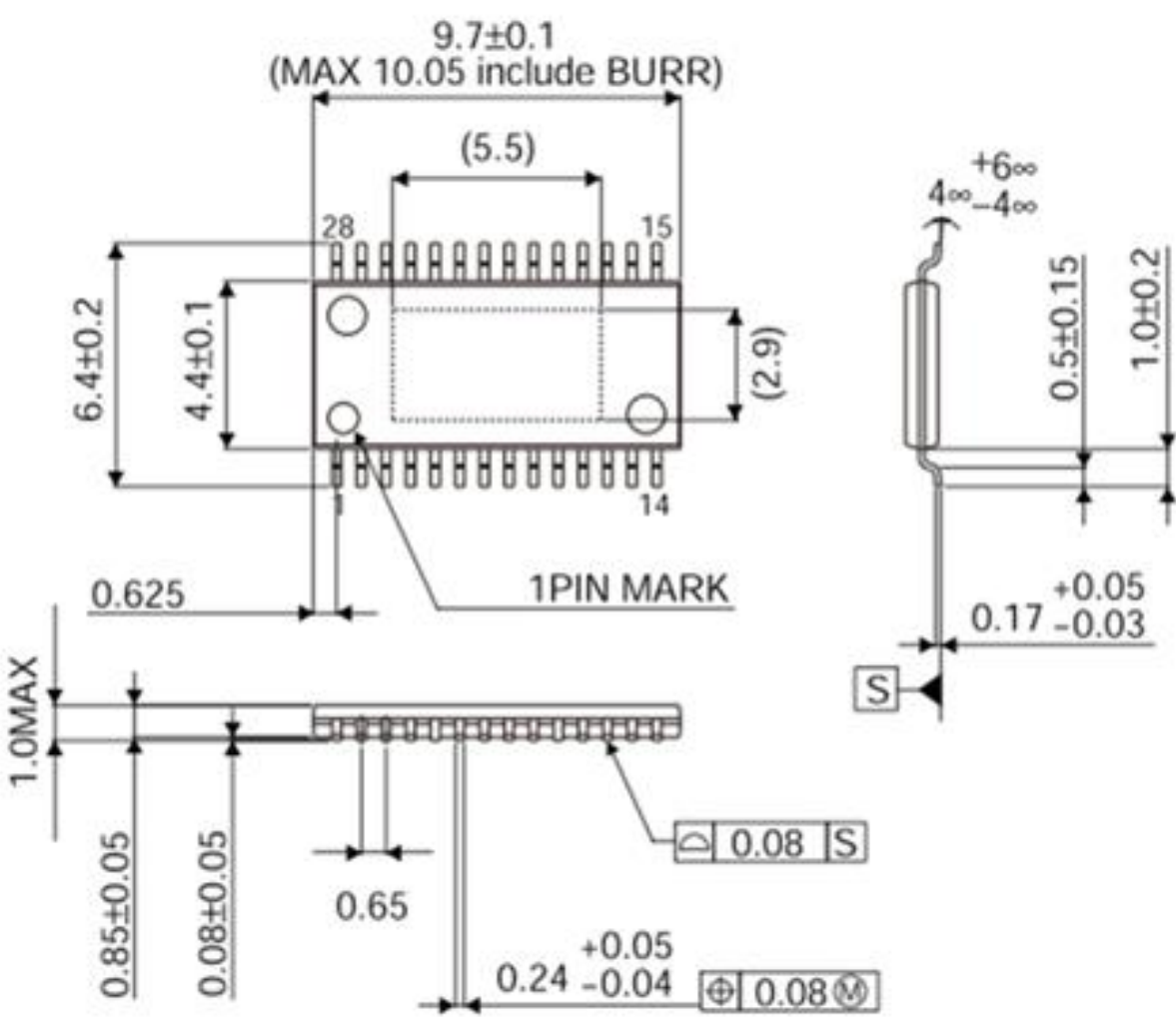
New 12ch LED Driver for Cluster

BD18378



Features

- 12 constant current output channels
- Max. current per channel : 50mA
- Channels can be combined for higher output current
- 6 bit Current Brightness calibration for LED binning (individual setting per channel)
- 6 PWMs with separate inputs (can be mapped to any channel)
- Diagnostics on Iref
- Limp home functionality
- Active and Passive open/short detect with own error flag
- PWM diagnostics
- Communication during over-Temperature
- Emergency warning pin
- Package: HTSSOP28
- SPI interface for communication
- Daisy chain possible
- AEC Q-100 qualified for automotive



Part Number	Channel Number	Maximum Input Voltage	Maximum Output Voltage	ON Resistor	Serial Clock Frequency	Drive Current	Package	Status
BD8378FV	8ch	7V	35V	6Ω	1.25MHz	50mA	SSOP-B16	MP
BD8379FV	12ch	7V	35V	6Ω	1.25MHz	50mA	SSOP-B20	MP
BD18377EFV	12ch	7V	10V	6Ω	1.25MHz	50mA	HTSSOP-B20	MP
BD18378EFV	12ch	7V	10V	6Ω	1.25MHz	50mA	HTSSOP-B28	In development