

Integration Kit

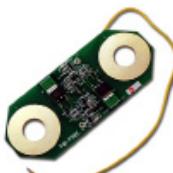
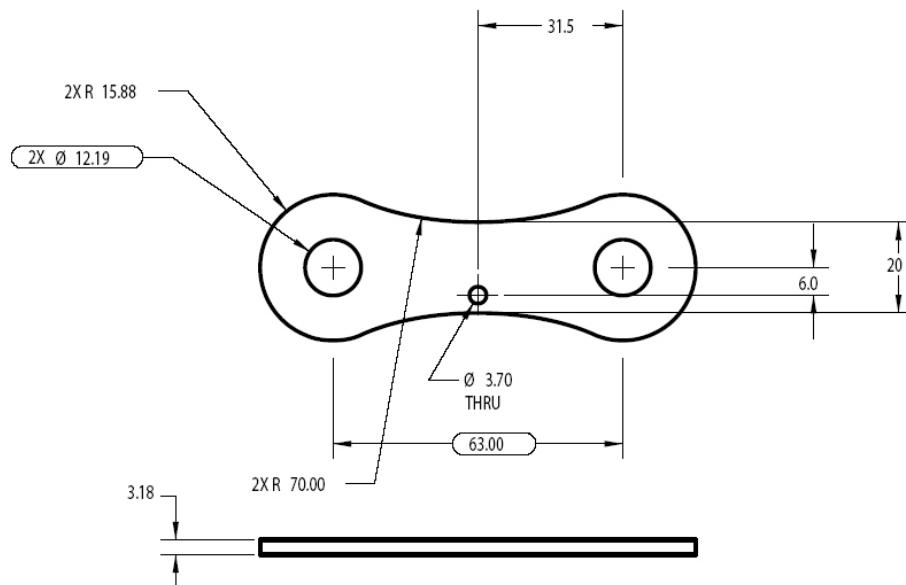
Features:

- » Simple design and assembly
- » Maximize system lifetime by protecting individual cell against over voltage during rated system use
- » Compatible with BCAP3000, 2000, 1500, 1200 and 650

Applications:

- » Fast Prototyping
- » Application specific modules

Dimensions:



x3 PCBA (93.4 x 38.1mm) + Rivets



x5 Bus Bar

(31.8 x 94.8 x 3.2mm, 6061 Aluminum)



x12 Washers

(M12 DIN137B Steel)



x12 Retaining Nuts

(M12-1.75 x 6mm Steel)

Ordering info: BKIT-MCINT (106927)

Package contents consists of voltage management board, bus bar and hardware.

Product dimensions and specifications may change without notice. Please contact Maxwell Technologies directly for any technical specifications critical to application.

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› Specifications:

› Operating Voltage Range: (Individual Cell)

Voltage management range: +2.73 volts to +2.86 volts DC

› Balance Current:

Normal balance current: 0 to +300mA maximum

› Balance Voltage Accuracy:

V_s =2.73 to 2.86V $\pm 0.100V$ DC

Temperature coefficient: $\pm 0.00025V / {}^\circ C$

› Leakage Current ($V_s=5V$ and $I_o=0$):

25°C $\pm 50\mu A$ maximum

50°C $\pm 100\mu A$ maximum

› Environment:

Temperature range

Operating: -40 to 65°C

Storage: -40 to 85°C

Humidity:

0 to 90% non-condensing at 25°C

0 to 70% non-condensing at 50°C

› Mounting Recommendations:

For complete mounting instructions, please refer to the Cell Balance Board User's Guide.

Torque each connection to 10 N·m.

The Maxwell Technologies cell balance boards are designed to limit any over voltage of the individual capacitors during proper rated system use. The circuit is capable of providing up to 300mA of current to reduce over voltage on cells. When cells are balanced, the circuit draws less than 50µA (approximately 1% of the typical leakage current of a 3000 F cell), so there is no need to externally control the circuit.

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