

ELI-1614 Conformal Battery

Rechargeable Semi-Flexible Li-ion Battery Pack

General description

- Semi-Flexible tactical battery pack
- High energy high Power density
- One wire / SMBus communication technology
- Smart circuit providing remaining capacity, number of cycles and health status
- LED State Of Charge Indicator (SOCi)
- Low energy consumption during storage
- Easy integration into compact and light systems
- Meets civil and military standards



Applications

Wearable conformal military battery supporting communications, tactical computers, ISR and additional devices carried by soldiers

Charge Method (CCCV)

- Charging through a desktop or tactical charger or through a dedicated charging board installed in host device
- Charging Voltage: 16.8V
- Typical charging current: C/3

Safety

- Under/over voltage
- Under/over current
- Short circuit
- Temperature
- Reverse polarity

Quality System

- ISO-9001:2008

Applicable Standards

- UN-38.3
- Designed to MIL-STD-810
- UL-1642 (for cells)
- MIL-STD-416 (EMI)

MSDS and Disposal

- Check with manufacturer
Rotem Industrial Park,
M.P. Arava, 86800 Israel

Electrical

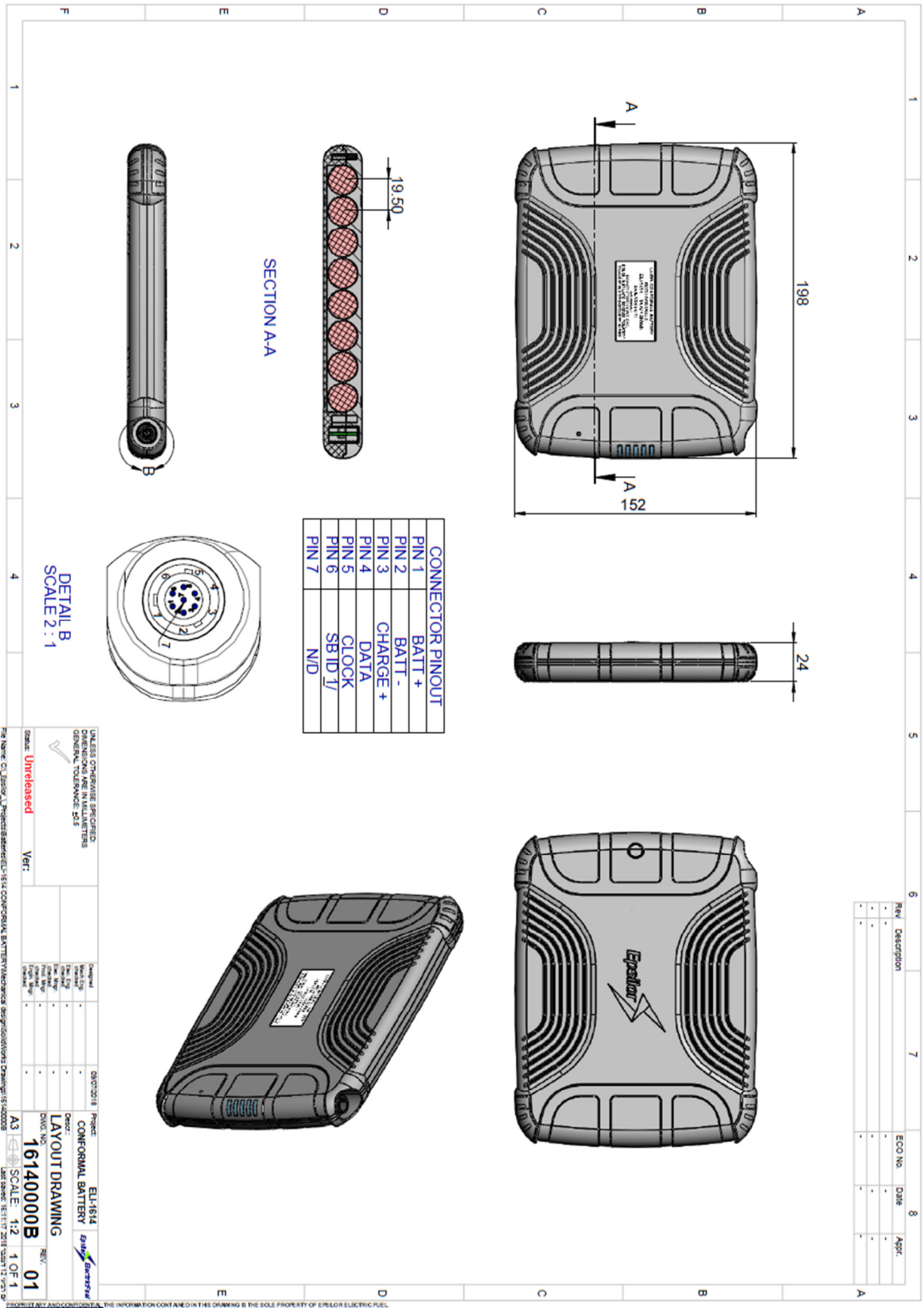
Capacity (typical)	14Ah @ 3A & RT
Energy (typical)	200Wh
Max. voltage	16.8V
Nom. voltage	14.4V
Min. voltage	10V
Max. Dis. Current (cont.)	10A
Communication	One-wire/SMBus; LED SOCi
Life Cycle	300 cycles to 80% of initial capacity @ 100% DOD

Mechanical

Dimensions (L,W,H; mm)	197 X 152 X 24
Weight	1000 gr
Energy Density	200Wh/kg;
Battery Housing	Semi-Flexible elastomer
Color	Grey / Customized
Connector	Glenair 8070-1299-ZNU6-7DY

Environmental

Charge	0°C to 45°C
Discharge	-34°C to 60°C
Storage	-20°C to 50°C
Immersion proof	Comply with MIL-STD-810G 512.5 (1 meter for 2 hours)
Transportation	Class 9



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. CONFORMAL BATTERY

ECO No.	8
Date	
Appr.	
Rev.	Description
1	
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Project: ELI-1814
 Order: CONFORMAL BATTERY
 Dwg No: 16140000B
 Scale: 1:2
 Date: 16.11.17
 Ver: 01
 Scale: 1 OF 1
 Date: 16.11.17