

Elma User Manuals: 059-513 3U/200W Hold Up Board for military power supplies

SYSTEM SOLUTIONS

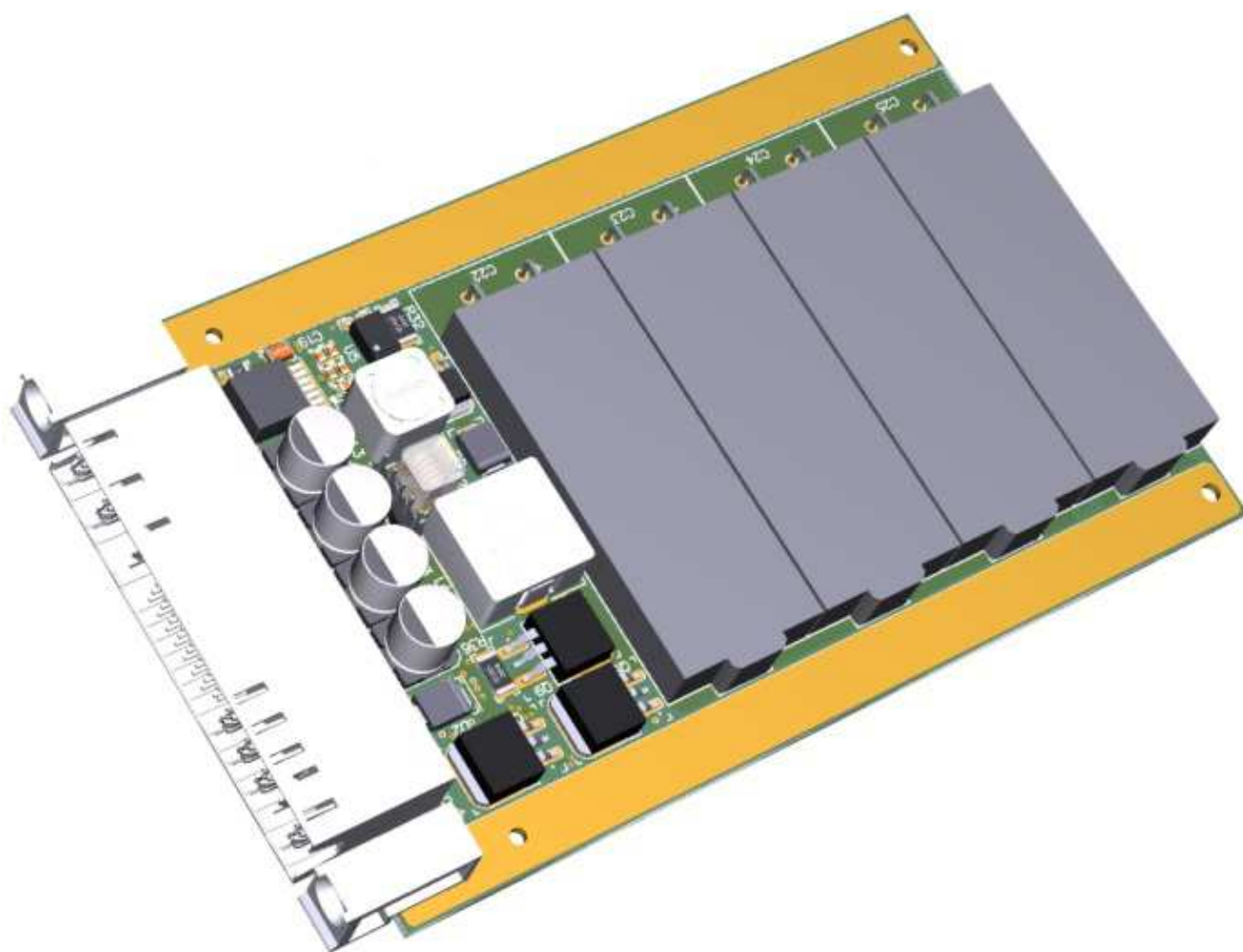
BACKPLANES

ENCLOSURES

ROTARY SWITCHES

CABINETS

Hold UP Board 059-513 for 28VDC military power supplies



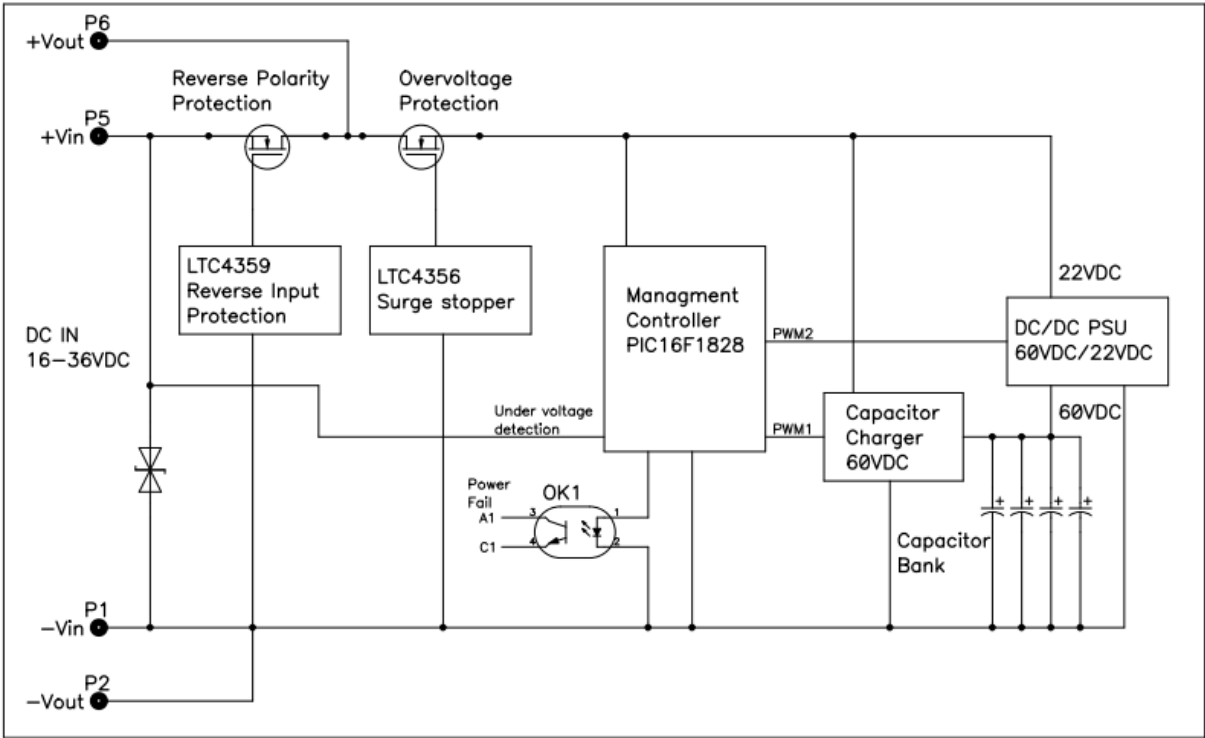


Figure 1 Block diagramm

Input Characteristic

Input voltage	16-36 VDC
Over voltage protection	according MIL-STD 704A-F
Electromagnetic compatibility	according MIL-STD 461F
Reverse voltage protection	max. -40 VDC
Inrush current	max. 3,5 A
Capacitors load current	max. 1,5 A

General Specifications

Maximum provided power	200 W
Hold up time	according MIL-STD 704 / DO160, 50ms for up to 200 W
Under voltage trigger level	17,3 VDC

Enviromental

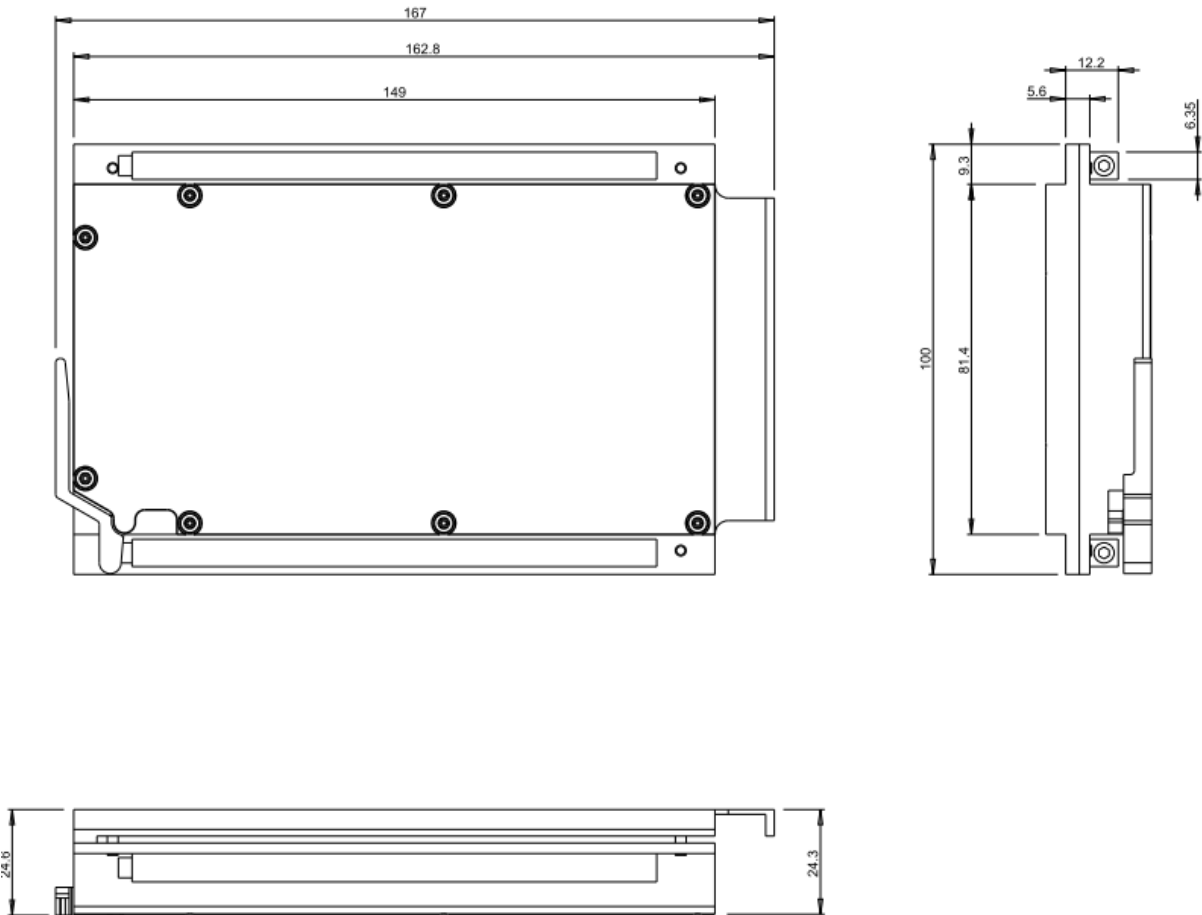
Operating temperature	-55 +85C°
Storage temperature	-55 +85°C
Humidity	95% non condensing
Shock	MIL-STD-810F
Vibration	MIL-STD-810F

Pin assingment of the power connector

Pin #	Name	Pin #	Name
P1	DC_Return	A4, B4, C4, D4	Fan Power OUT
P2	DC_Return	A5, B5, C5, D5	Fan Power Return
P5	+DC_IN	A6, B6, C6, D6	Fan Power Return
P6	+DC_OUT	A7, B7, C7, D7	Fan Power IN
A1	Power Fail Collector		
C1	Power Fail Emitter		

Mechanical Details

The Hold Up Board is designed in 3U/5HP dimensions for conducted cooled chassis.
The Hold Up Bord is designed with a VITA 62 3U power connector Tyco 6450849-7.





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