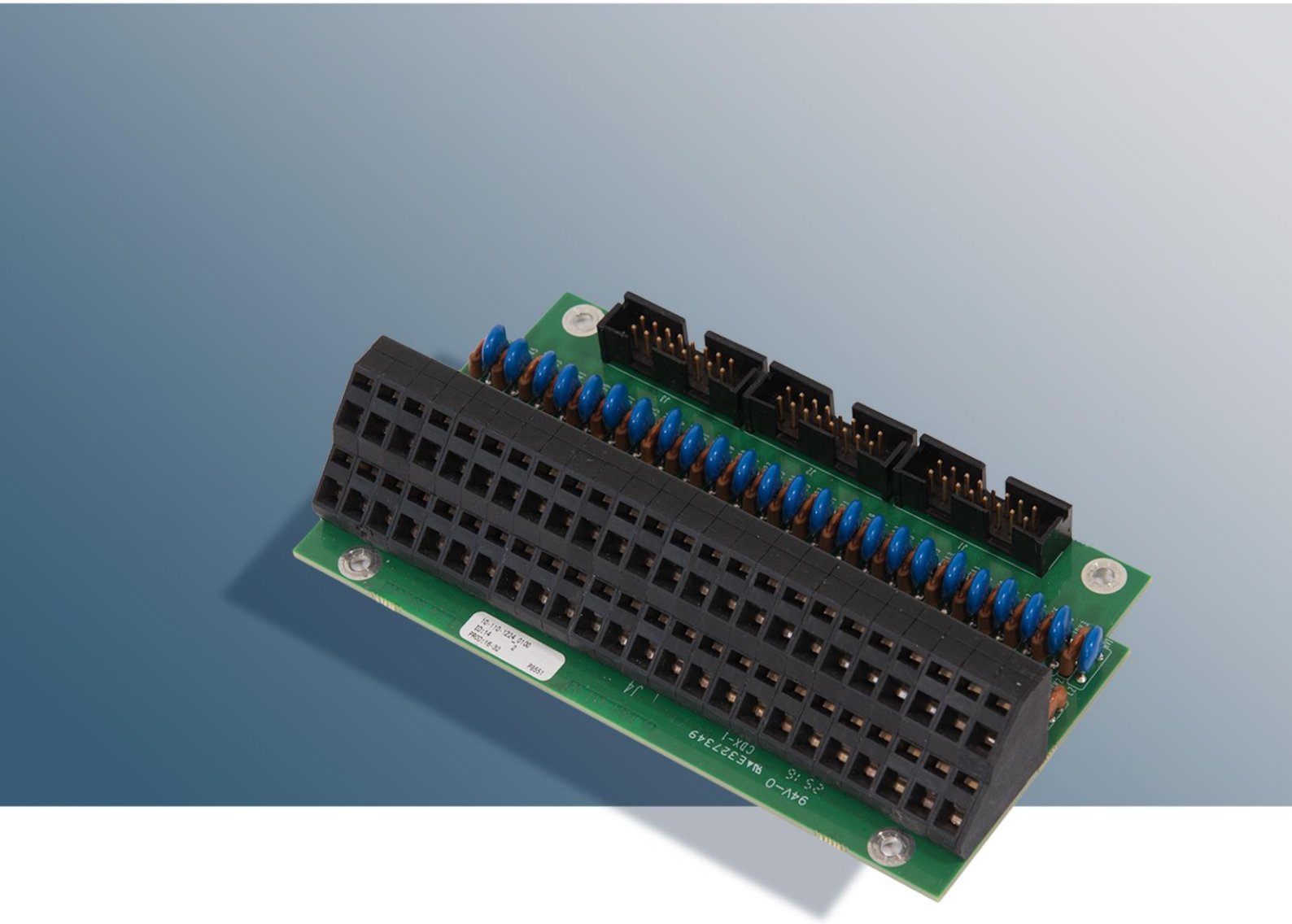
# CTU24

## 24 line Cable Termination Unit



24 line Cable Termination Unit

SEACOM

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## Description and use

The CTU24 is used for terminating the ship cables. It takes up to 1.5mm2 wires.
It uses constant force spring-loaded screw less connection block for connecting ship cables. This ensures for long lifetime without screws loosening from vibration

The CTU24 terminates 24 pairs of wires, and the layout is 3 times 8 lines. It can be used for extension lines or trunk lines or as a mix.
The CTU connects to AEXT16 and FIO4 using easy customized ribbon cables.

The CTU24 is the EMC barrier of the systems, taking care of incoming over voltages and transients that might be introduced in the cabling by other equipment on board. To be able to actually have this function, the CTU24 must be placed on the cabinet with good reference to ships hull.

The CTU24 is mounted using 4 pcs of 3x6mm screws. These are not included when ordering.

When using the CTU24 for customized designs, the CTU24 shall be mounted on 5mm high standoffs on a conducting material connected to ships hull.

## Technical data

- Terminating 24 pairs
- 1,5mm2 max
- Max current 1A
- Screwless termination of ship cables

## Connectors

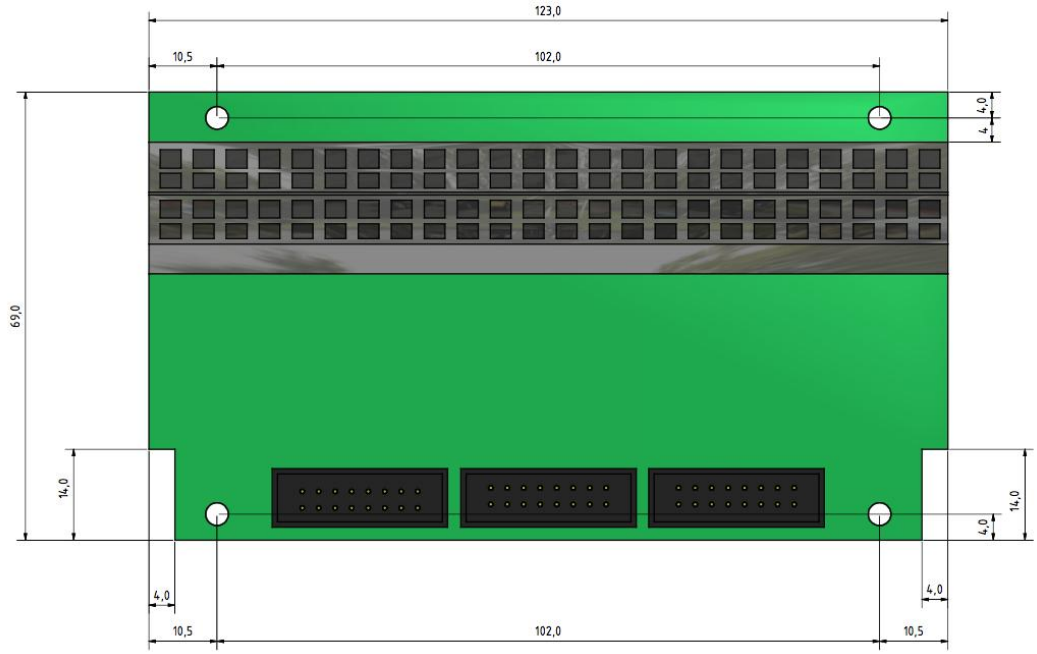
J1, J2 and J3 are the ribbon cable connectors taking the telephone lines to AEXT16 and FIO4 boards

J4 is the ship cable connector

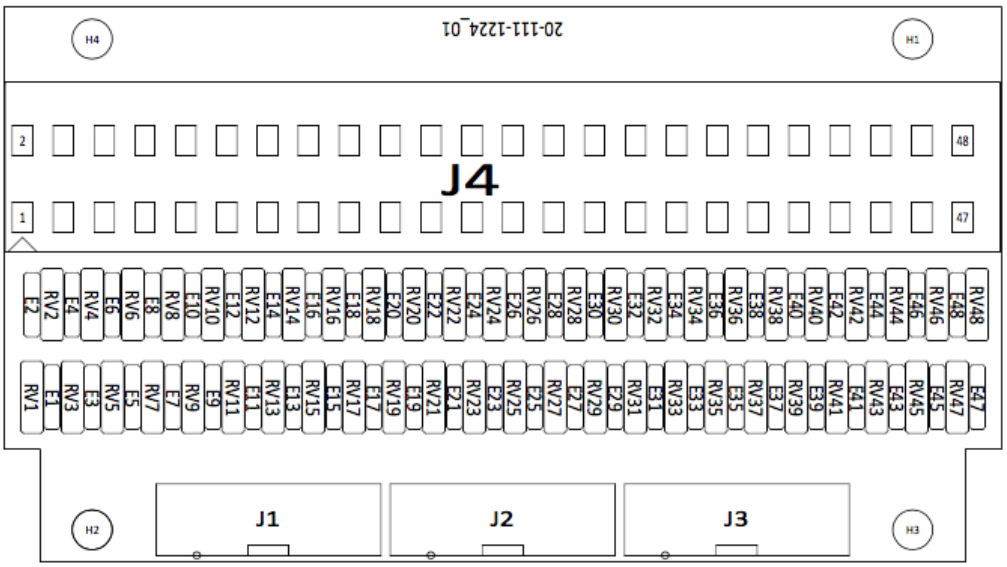
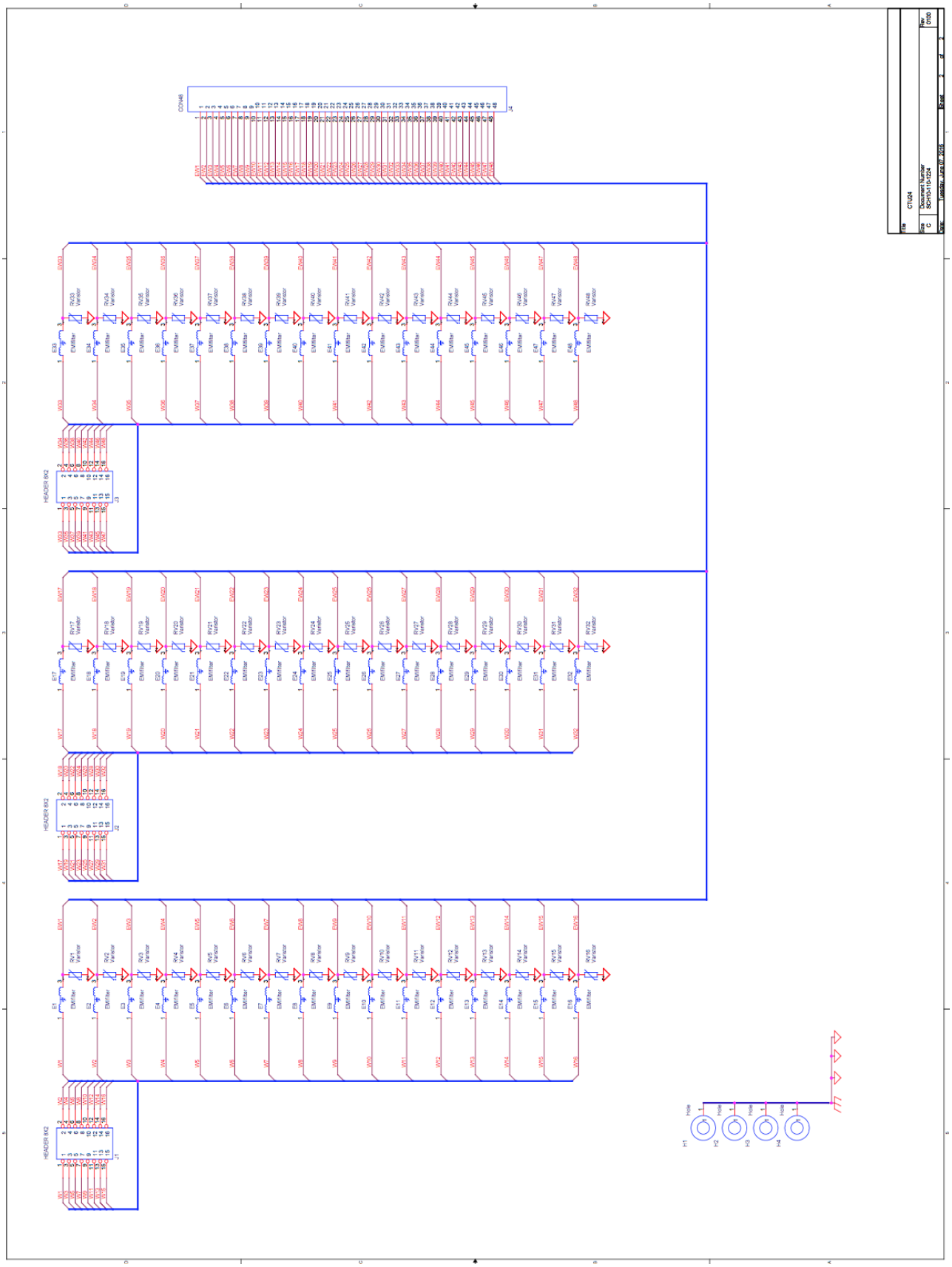
## Order information

10-110-1224

# Mechanical dimensions




# PCB Layout



# Schematic