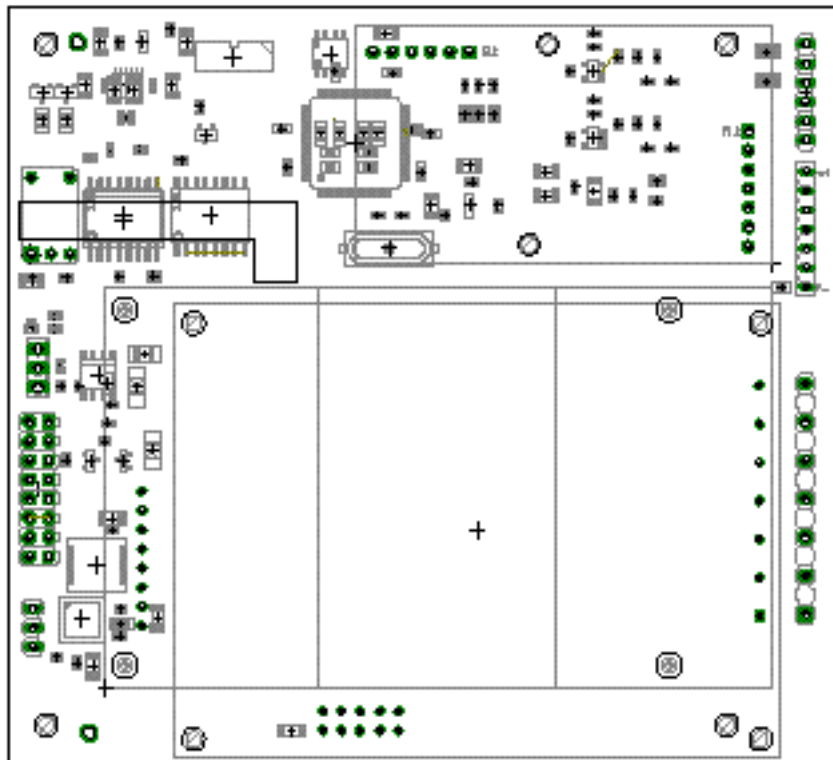


MP01000

Multiparameter Patient Monitoring Module



ECG
SpO₂
NIBP
Temp

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GENERAL

- Advanced signal processor technology with digital filtering for all parameters
- Small size (110 x 100 mm), maximum height 40 mm with ECG respiration option.
- Single power supply (7 - 15 V DC), 980 mW (@7V, while NIBP not measuring)
- Maximum supply power 2 - 3 W while NIBP pumping, depending on supply voltage
- Power down input, powers down the complete system
- RS232 and TTL level serial asynchronous (UART) interface
- CAN bus interface with user selectable bit rate and identifier addresses
- Integrated patient isolation in accordance to IEC 60601
- Integrated defibrillation protection for ECG and temperature sensor input

ECG

- Monitors I, II, III, aVR, aVL, aVF and one chest lead with five lead cable
- Measurement of pulse rate, range 30 – 247 bpm
- User selectable curve transmission rate and amplification
- Command selectable monitoring - or diagnostic bandwidth
- Integrated pacemaker detection and lead-off detection for each electrode
- Measurement of respiration rate over electrode impedance (optional)
- Highly accurate isolated ECG trigger output
- Can be used in devices which comply with IEC 60601-2-27

SpO₂

- Lock-in based signal recovery down to a pulsation of 0.05 % (AC / DC ratio)
- Ultra low noise design for highest performance on centralized patients
- Excellent suppression of artefacts, ambient light and EM-disturbances
- Transmits SpO₂, pulse rate, plethysmographic waveform, perfusion index
- Selectable transmission speed of waveform and averaging of SpO₂
- Complete line of re-usable and disposable probes available
- Can be used in devices which comply with IEC 60601-2-61

NIBP

- Purely oscillometric method, short measurement time
- Redundant pressure sensor and pressure relieve valve for increased patient safety
- Neonatal and adult modes
- Transmission of pulse rate, systolic-, mean- and diastolic pressure
- User selectable automatic cyclic measurements
- Clinically validated for adults and neonates
- Can be used in devices which comply with IEC 60601-2-30 and ISO 81060-2

TEMPERATURE

- Two independent channels, plus reference channel
- Measuring range 25.0 °C up to 50.0 °C
- Compatible with all YSI 400 probes (2252 Ohms at 25 °C)

