

EBcontroller

Technical

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Display: Bonded 4.3" color transmissive TFT LCD
Resolution: WQVGA, 480 x 272 pixels, 16-bit color
Aspect Ratio: 16:9
Orientation: Landscape or portrait
Backlighting: LED, 500-650 cd/m² (30,000 hr lifetime)
Flash Memory: 256 MB
RAM: 128 Mbytes DDR2 SDRAM
Operating Voltage: 6-32 VDC, protected against reverse polarity and load dump (CSA, 6-30 VDC)
Power Consumption: 10W max. (CSA, 163 mA max @ 30VDC)
CAN: (2) CAN 2.0B; optional NMEA 2000 isolation
Video input (Optional): (2) NTSC/PAL input channels with one displayed at a time
Connection: (4) Deutsch DT 6-pin connectors
Keyboard: (8) tactile buttons with white LED backlight
USB: 2.0 host, full speed
Clock: Real time clock with built-in rechargeable Li-ion battery backup (0.033 mWh)

Environmental

Operating Temperature: -40°C to +85°C (-40°F to +185°F)
Storage Temperature: -40°C to +85°C (-40°F to +185°F)
Protection: IP 66 and 67, front and back
Electromagnetic Compatibility: 2004/108/EC EN 60945:2002 EN 61000-6-4 EN 50121-3-2 EN 61000-6-2 (immunity) EN 12895 J1113/2, 4, 11, 12, 21, 24, 26 and 41
Vibration: Random vibration, 7.86 Grms (5-2000 Hz), 3 axes
Shock: ± 50G in 3 axes

Specifications applicable

CSA Certification: Class I Div 2 Groups B, C & D; T4; IP66
CAN: (2) CAN 2.0B (transmission rates up to 1Mbps)
Environmental Protection: IP 66 and 67