

## L0LA0101 Obelix Colour Graphics Display Module 10.4 Linux

The Type L0LA Graphics Display is a fully integrated water proof display module. L0LA, as it is affectionately known, combines a mix of industrial components and rugged manufacture making it suitable for all industrial applications where distributed display technology is required.

### Specifications

#### Embedded Industrial Graphics Module

- 10.4" TFT Active Matrix Colour Panel
- SVGA Resolution
- 120° Viewing Angle

#### Embedded Industrial Control Module

- 300MHz Geode Processor (Fanless)
- 256MB Solid State Disk
- 128MB RAM (Non Socketed)
- Windows CE or Linux
- Site Programmable

#### RS-422 Network

- Optically Isolated
- Full Duplex to 115Kbps

#### Ethernet Network

- 10BaseT Ethernet
- Static and Dynamic IP

#### Operates -10 C to +65 C

- All industrial components

#### Supply 90VAC – 260VAC

- 50/60Hz
- 20W

#### Heavy Duty Enclosure

- Electroless Nickel Plated
- Environmental protection to IP67
- Rugged Construction

#### Material

- Enclosure is electroless nickel plated mild steel.
- Bezel is electroless nickel plated brass.
- Lense is Lexan.
- Mounting brackets are stainless steel.

#### Fasteners

- M5 x 10mm x 8
- M4 x 10mm x 22
- M3 x 10mm x 4

#### Mass

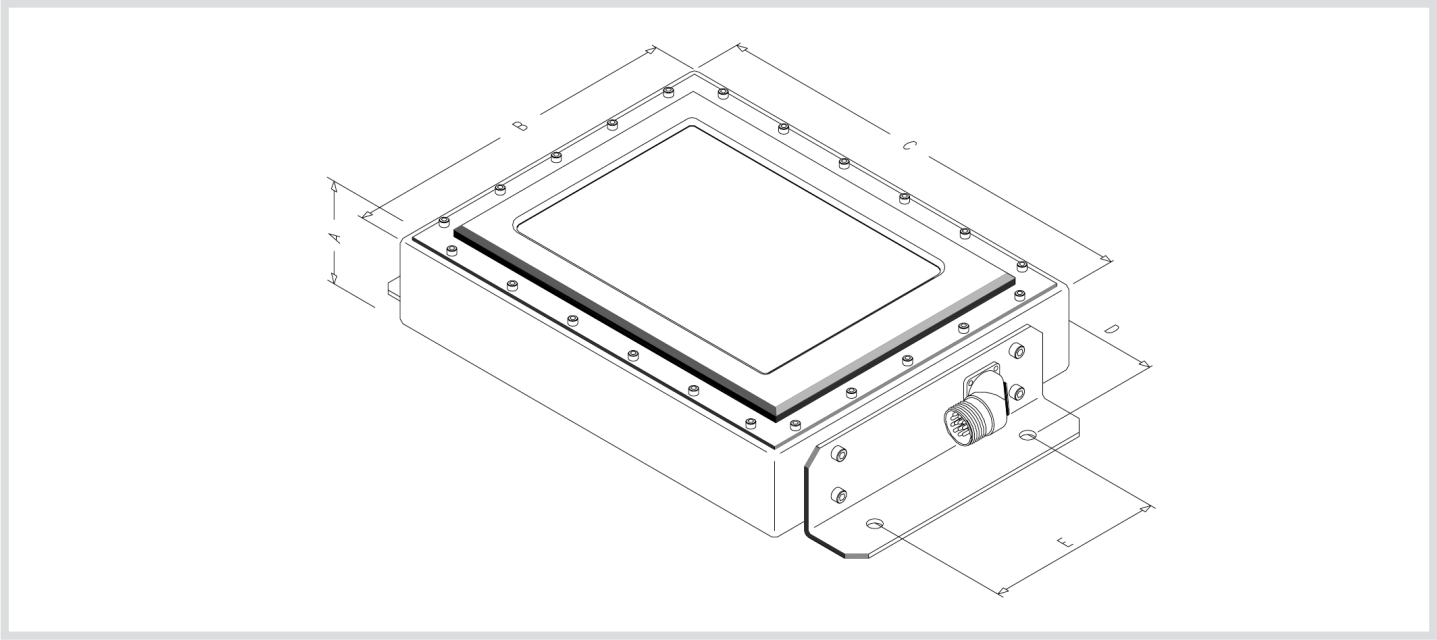
- 8.5kg (18.7lb)



### Typical Applications

- Continuous Miners
- Continuous Haulage
- Long Wall Shearers
- Mobile Bolters
- Mobile Roof Supports
- Remote Control Scoops
- Remote Control Loaders
- Control Room Surface Monitoring

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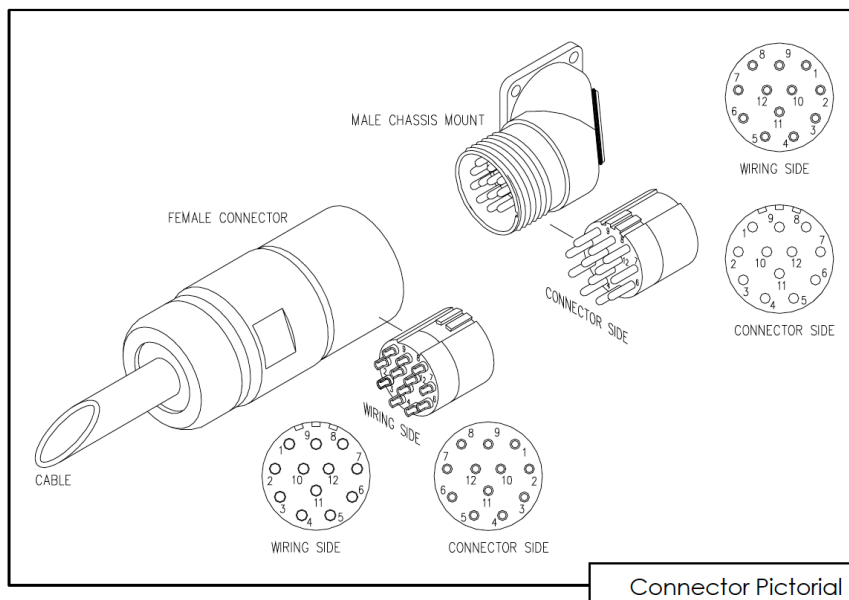
Dimensions (mm)

| Dimension | Measurement | Description             |
|-----------|-------------|-------------------------|
| A         | 70          | Height                  |
| B         | 249         | Depth                   |
| C         | 316         | Width                   |
| D         | 360         | Mounting Centre- Width  |
| E         | 145         | Mounting Centre - Depth |

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### Interface Description

The Type L0LA Display Module utilizes an industrial waterproof connector that is unique when configured for use with the Obelix Control System via type or gender physically preventing improper installation.



Connector Pictorial

### CONNECTOR X

| Number | Contact Circon R 2.5 12Pin Male | Signal         |
|--------|---------------------------------|----------------|
| X-1    | Supply Input                    | 110VAC Active  |
| X-2    | N/C                             | N/C            |
| X-3    | Supply Input                    | 110VAC Neutral |
| X-4    | RS-422 #1 RXD-                  | Communications |
| X-5    | RS-422 #1 RXD+                  | Communications |
| X-6    | RS-422 #1 TXD-                  | Communications |
| X-7    | RS-422 #1 TXD+                  | Communications |
| X-8    | Ethernet 10BaseT RXD+           | Communications |
| X-9    | Ethernet 10BaseT RXD-           | Communications |
| X-10   | Ethernet 10BaseT TXD+           | Communications |
| X-11   | Ethernet 10BaseT TXD-           | Communications |
| X-12   | N/C                             | N/C            |

### Connector Assembly

| Part Number | Description                     |
|-------------|---------------------------------|
| H0LA0101    | Connector Assembly Display 3.7m |
| H0LA0401    | Connector Assembly Display 7m   |
| H0LA0701    | Connector Assembly Display 2.5m |