

### LOV41101 Pempek OBP-PLUS Processor Module

The LOV41101 is an Pempek OBP-Plus Mining PLC Processor module ideal for legacy mobile mining machinery control and automation applications that are programmed and maintained by Pempek automation software developers.

A fully AS4871-compliant internal battery preserves parameter memory and real-time clock functionality when mains machine power is removed.

In addition to sixteen (16) local digital inputs (24VDC); the module provides a number of field bus options including CAN (4), RS-422 (3) and RS-232 (1).

- Module Type: Processor Module
- **Supply Input:** 24VDC (+/- 10%) / 5 Watts (Max)
- Data Communications: CAN (4), RS-422 (3), RS-232 (2)
- Operating Temperature:  $-20^{\circ \text{C}}$  to  $70^{\circ \text{C}}$
- Inputs: 16 x Digital Inputs (24VDC)
- Outputs: 1 x C-Form Relay (110VAC / 8 A)
- Connector 1: Pempek OBP A2 (24VDC Input + CAN Bus A)
- Connector 2: Ethernet RJ-45 (Programming)
- Connector 3: Pempek OBP Data A68 (CAN B,C,D, RS422, RS232)
- Connector 4: Pempek OBP A69 (Digital Inputs, Relay Output)



#### **CONNECTOR A2**

PIN	Connector A2 Burndy Female 8 Way	Signal
A2-A	Supply Input	24VDC Supply Input
A2-B	Supply Input	OVDC Supply Input
A2-C	CAN A (Positive)	Communications
A2-D	CAN A (Positive)	Communications
A2-E	CAN A (Negative)	Communications
A2-F	CAN A (Negative)	Communications
A2-G	Termination Link 1 - 1	Termination Link Input
A2-H	Termination Link 1 - 2	Termination Link Input

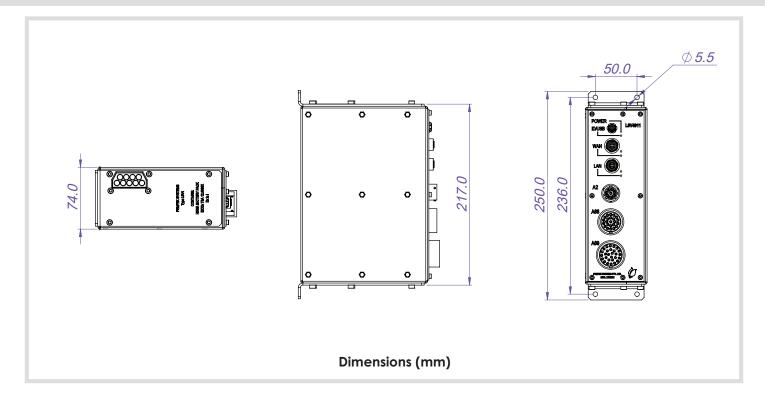


Datasheet-L0V41101

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### **CONNECTOR A68**

No.	Connector A68 23 (32) Burndy Female PIN	Name
1	Α	CANH1
2	В	CANL1
3	С	CANH2
4	D	CANL2
5	E	CANH3
6	F	CANL3
7	G	0VDC
8	Н	RXA-
9	J	RXA+
10	K	TXA-
11	L	TXA+
12	М	RXB-/CTSB
13	Ν	RXB+ /RXB
14	Р	TXB- / TXB
15	R	TXB+/RTSB
16	S	0VDC
17	Т	RXC-
18	U	RXC+
19	V	TXC-
20	W	TXC+
21	X	RXD
22	Y	TXD
23	Z	0VDC



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### **CONNECTOR A69**

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No.	Connector A69 28 (41) Burndy Female PIN	Name
1	Α	DGI-1
2	В	DGI-2
3	С	DGI-3
4	D	DGI-4
5	Е	DGI-5
6	F	DGI-6
7	G	DGI-7
8	Н	DGI-8
9	J	DGI-9
10	K	DGI-10
11	L	DGI-11
12	М	DGI-12
13	N	DGI-13
14	Р	DGI-14
15	R	DGI-15
16	S	DGI-16
17	T	0VDC
18	U	CAN 1-L1
19	V	CAN 1-L2
20	W	COLDFIRE UART RX-
21	X	COLDFIRE UART RX+
22	Υ	COLDFIRE UART TX-
23	Z	COLDFIRE UART TX+
24	а	CAN 2-L1
25	b	CAN 2-L2
26	С	RELAY IN
27	d	RELAY NC
28	е	RELAY NO

