## L1200301 Pempek OBP Solenoid Module I/O All Digital Input 24VDC Type A

The L1200301 Pempek OBP module provides a robust compact general purpose I/O module that is designed and manufactured for mobile mining applications.

The module provides a variety of inputs and outputs and is ideal for driving solenoids and other outputs in a range of +8V to +26V.

The industry-standard CAN (Controller Area Network), connection provides a host PLC with the ability to control and monitor all outputs and input resources.

Module Primary board - A59\_B0RE2 Module Secondary board - A47\_B0R33



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### **Specifications**

- 20 x Digital Inputs (24 VDC)
- 18 x Analog Inputs (4 -20 mA)
- 32 x PWM current-controlled proportional outputs (up to 1A continuous rating)
- 4 x Frequency Counter Inputs (5 kHZ Maximum)
- Uniquely Keyed Type A connector to prevent incorrect machine installation
- Supply Multi-purpose Inputs A47: +8 VDC to +24VDC (+10%) /3Watt (Max) for Internal Electronics
- Supply Input Solenoid Driver A59: +8 VDC to +24VDC (+10%) /3Watt (Max) for Internal Electronics
- Data Communications: Pempek OBP CAN (A2)
- Operating Temperature: -20°C to 70°C

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**Facing Plate** 



## CONNECTOR A2

Number	Unit / PCB 8 Pin Female		
	Burndy	Name	
1	А		
2	В	0Vdc	
3	С	CANH0	
4	D	CANH0	
5	E	CANLO	
6	F	CANLO	
7	G	L1-1	
8	Н	L1-2	



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### **CONNECTOR A47**

Number	Unit / PCB GAPL-50 Female Board Mount	L1200301
	PIN	Name
1	А	MODULE-SEL-1
2	В	24V Input Supply
3	С	OVDC
4	D	Quadrature Encoder A-Q1
5	E	MODULE-SEL-2
6	F	Quadrature Encoder A-Q2
/	H	
8	J	QUADRATURE ENCODER B-QI
7	K I	MODULE-SEL-S
11	L M	24V-DINP-2
12	N	24V-DINE-1
13	P	24V-DINP-4
14	R	24V-DINP-3
15	S	24V-DINP-6
16	T	24V-DINP-5
17	U	24V-DINP-8
18	V	24V-DINP-7
19	W	24V-DINP-10
20	Х	24V-DINP-9
21	Y	24V-DINP-12
22	Z	24V-DINP-11
23	a	ANALOG-2
24	b	ANALOG-1
25	С	ANALOG-4
26	d	ANALOG-3
27	е	ANALOG-6
28	f	ANALOG-5
29	h	ANALOG-8
30	j	ANALOG-7
31	K	ANALOG-10
32	m	ANALOG 10
33	n	ANALOG-12
34	p	
33	ſ	
37	5 +	
38	1	
39	V	
40	W	ANALOG-17
41	X	0VDC Reference
42	V	EXTERNAL 24V PS(0.5A)
43	Z	24V-DINP-14
44	АА	24V-DINP-13
45	BB	24V-DINP-16
40		
46		24V-DINY-15
47	DD	24V-DINP-18
48	EE	24V-DINP-17
49	FF	24V-DINP-20
50	НН	24V-DINP-19



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## L1200301 Pempek OBP Solenoid Module I/O All Digital Input 24VDC Type A

### **CONNECTOR A59**

Number	Unit / PCB GAPL-50 Female Board Mount PIN	L1200301
1	<u>^</u>	
2	B	
3	C	MODULE-SEL-1
4	D	8-24VDC SUPPLY
6	F	0VDC
7	H	OVDC
8	J	8-24VDC SUPPLY
9	К	SOL-1
10	L	SOL-2
11	Μ	MODULE-SEL-2
12	Ν	SOL-3
13	Р	SOL-4
14	R	SOL-5
15	S	OVDC
16	Т	SOL-6
17	U	SOL-7
18	V	SOL-8
19	W	MODULE-SEL-3
20	X	SOL-9
21	Y 7	SOL-10
22	2	
23		SOL-12
24	6	SOL-12 SOL-13
26	d	SOL-14
27	e	00214
28	f	SOL-15
29	h	SOL-16
30	i	SOL-17
31	k	
32	m	SOL-18
33	n	SOL-19
34	p	SOL-20
35	r	
36	S	SOL-21
37	t	SOL-22
38	U	SOL-23
39	V	
40	W	SOL-24
41	X	SOL-25
42	У	SOL-26
43	Z	
44	AA	SOL-27
45	ВВ	SOL-28
46	00	SOI-29
47		
4/		
48	EE	SOL-30
49	FF	SOL-31
50	HH	SOL-32



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