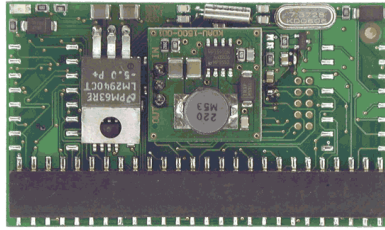


# KDAU-2014 - 30 MIPS PROCESSOR MODULE

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## DESCRIPTION

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- 30 MIPS Microcontroller module based on Microchip dsPIC chip with RS232, CAN Bus, SPI, I<sup>2</sup>C, PWM outputs, QEI Encoder input, Analog inputs, Interrupts, Digital Inputs/Outputs capabilities.
- Directly powered with 12-24VDC. Secondary 32KHz Quartz for Realtime clock applications.
- Designed to be connected in KDAU-2700 module or for custom applications.
- C Software Library for PLC bases functions, I/O controls, PWM, QEI, PID, Motor Control, **Ethernet with TCP, UDP, SNMP, SMTP, DNS, HTTP, DHCP, Telnet, SSL, etc protocols**, KDAU-3000 and RS232 operating panel, real-time functions, and many more. Ask for detail.

## TECHNICAL INFORMATION

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### ELECTRICAL

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#### STANDARD KDIO SIGNAL ORGANIZATION AND CAPABILITIES

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	Channel	KDIOxx channel bits					
FCT	KDIOxx	0	1	2	3	4	5
KDIO PIN	-	1	2	3	4	5	6
I/O	0-5	CK	DO	DI	CS	(I ANA)	(I CAP)
PWM	0-4	PWM	FWD	REW	FAULT	DISABLE	CODE
RS-232	0	-	TXD	RXD	-	-	-
ENCODER	1	LS-	LS+	QEB	IDX	QEA	OK
SPI HW	5	CK	DO	DI	CS	-	-
HW FCT	1-4	PWM	-	-	CN	I ANA	I CAP
INT	3	-	INT	-	-	-	-

## KDAU-2014 - 30 MIPS PROCESSOR MODULE

### CONNEXIONS

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26 x 2 x 2.54 x 2.54 Berg female connector

Pin	Signal	Pin	Signal
1	0V	2	0V
3	+V0	4	+V1
5	+VDD	6	+VBat
7	-MCLR	8	PGD
9	CANH	10	PGC
11	CANL	12	VREF+/AN9
13	RS-TXD	14	VREF-/AN10
15	TS-RXD	16	PWM3H
17	KDIO3-5	18	KDIO0-0
19	KDIO3-4	20	KDIO0-1
21	KDIO3-3	22	KDIO0-2
23	KDIO3-2	24	KDIO0-3
25	KDIO3-1	26	KDIO0-4
27	KDIO3-0	28	KDIO0-5
29	KDIO4-5	30	KDIO1-0
31	KDIO4-4	32	KDIO1-1
33	KDIO4-3	34	KDIO1-2
35	KDIO4-2	36	KDIO1-3
37	KDIO4-1	38	KDIO1-4
39	KDIO4-0	40	KDIO1-5
41	KDIO5-5	42	KDIO2-0
43	KDIO5-4	44	KDIO2-1
45	KDIO5-3	46	KDIO2-2
47	KDIO5-2	48	KDIO2-3
49	KDIO5-1	50	KDIO2-4
51	KDIO5-0	52	KDIO2-5

## KDAU-2014 - 30 MIPS PROCESSOR MODULE

### SUPPLY

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- Voltage
  - ◆ 12-24VDC, ask for other voltages
- Current
  - ◆ 30mA @ 24V @ 7.5 Mips
  - ◆ 50mA @ 24V @ 15 Mips
  - ◆ 70mA @ 24V @ 30 Mips

### MECHANICAL

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### DIMENSIONS

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- 67.2 x 40.2 x 10.0 mm
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Rev 17 - 09 Jan 2009 - 18:04:23