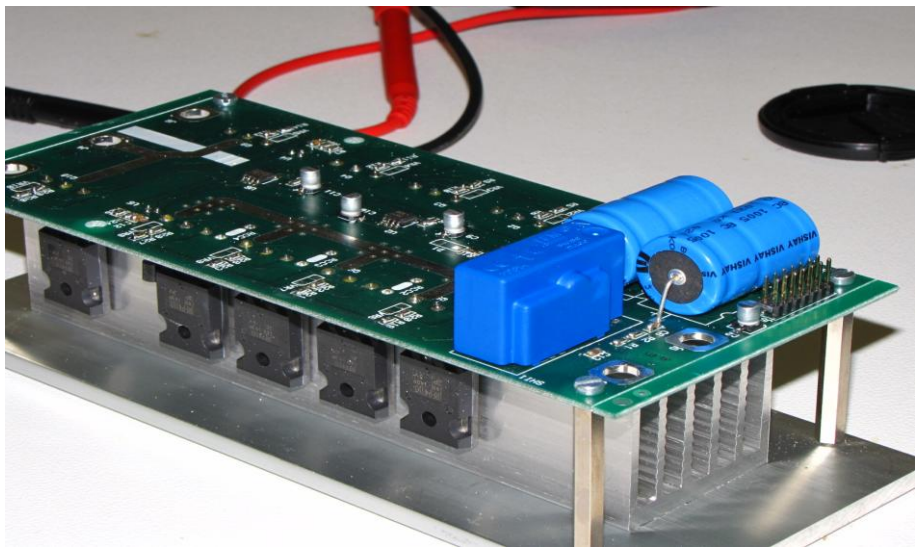


CHOP-100-xxxx

Control electronic Semi-Bridge or Bridge with PWM output for DC motors in open loop

The tab CHOP-100-xxxx performs a check to SEMI-BRIDGE then a unidirectional or bidirectional electronic control to BRIDGE for the actuation of the motors DC open loop. The 'reversal is made by a full bridge mosfet which provides all' reversal of the current to the motor. The operating parameters can be modified via any PC with terminal software as HYPERTERMINAL or HERCULES. The reverse command can be done either by means of optically isolated input or by the use of a potentiometer. The chopper also functions to recover energy during braking. If the 'motor reversal is not required card comes with only one half-bridge with or without energy recovery.



SPECIFICATIONS:

- POWER:12V - 50Vdc
- BURDEN:0.50 A
- POTENTIOMETER RECOMMENDED VALUES:4K7 / 10K
- REFERENCE INPUT: = Vcc
- INPUT SIGNAL:# 4
- AREA OF NOT WORKING: 0V
- CURRENT ADJUSTMENT (CHOP 100-xxxxxx): ..from 0.05A @ 100 A
- SPEED ADJUSTMENT ' ':by External Potentiometer
- SETTING TIME OF RAMP:through software or console (optional)
- PWM RESOLUTION: Bit9
- TEMPERATURE RANGE: -15 ° C to +70 ° C
- TERMINATION SIGNAL:8Poli terminal 2.54mm pitch
- TERMINATION POWER:7.50 mm pitch terminal 4pole
- PROTECTION:all 'moisture by resin
- DIMENSIONS: 160 mm X 75 mm
- CONTROLS: Start, Stop and Direction of Rotation
- ALARMS:current control input, alarm temperature 80 ° C,
 low supply voltage
- ALARM DISPLAY LED: Slow flashing Current
fast blinking Voltage
 dashboard display on LCD
- (optional)
- Connector and Interface Programming:9 Pin RS232 to pan

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PRODUCT COMPLIANCE WITH THE EUROPEAN RHOS 2002/95/EC

MODELS:

F00XXX-0000-000-100-CHOP SP1 CHOPPER 100 AA SEMI-BRIDGE

F00XXX-0000-000-100-CHOP CHOPPER 0P2 100 AA BRIDGE

FEATURES

Using the serial interface and a text file of type (max number of digits = 2):

RA: 30 DR: 15 RF: 10 HP: 80 AC: 90

You can set:

- Ramp-up: Ex 30 indicates a time of 3 sec (max 9.9)
- Deceleration ramp: Ex 15 indicates a time of 1.5 sec
- Braking ramp: Ex over 10 sets a time of 1 sec
- Braking rate: Ex 80% of max (max 95)
- Alarm current: 99A max

alarms for temperature cooling fin and low-voltage power supply are fixed and are set with alarm thresholds stored in flash; characters refer to special characters beginning of text (STX = 0x02) and end of text (ETX = 0x03). If you want to change a parameter, you must change the value in the text file (the number of digits is limited to two) and send it through serial after setting the same at 9600 b / s 1 start bit, 1 stop, no parity . The microcontroller Zilog Z86421 after reading the data refers them to the serial port to the PC to give the operator the opportunity to see the data that the card has rx and recognized, then stores them in EEPROM: If you are correct on the monitor will be correct even those stored on the external static memory.

Inputs or commands to the motor

Command to start the engine: J2 / 1 at 12 V to stop the engine, disconnect the power supply

Brake control: J2 / 3 to 12 V resistance remove to remove the 'power.

Output or Alarm signal

We have three types of alarms:

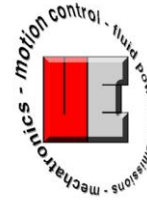
- High temperature
- Current alarm
- Alarm voltage

The warning comes on the J5 connector in the following manner:

J5-4 = 1 5 = 0 J5-temperature alarm

J5-4 = 0 5 = J5-1 high current alarm

J5 J5-1-4 = 5 = 1 Aux voltage alarm



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Applications

Control CHOP - 01-105015 GRATIS 01-105015 was designed to meet a wide range of applications ranging from industrial to consumer applications. We list some products that use this system:

- CLEANERS
 - SCOPE ELECTRIC
 - TROLLEYS FOR IRRIGATION
 - BICYCLES servo
 - SCOOTER
-
- WEED TREATMENT PUMPS
 - PALLET
 - ELECTROMAGNETS



Unify Electronic
Design and Engineering
Electronic Equipment

CHOP-100-xxxx

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The company assumes no responsibility for any errors that may appear in this document and reserves the right to change the descriptions and data without prior notice.