KIST Relay Board

Background: The Keep it Simple Technology Relay Board was developed to fill a need in the ROV Community. The control and monitoring of electronic equipment on an ROV is crucial. The KIST Relay Board allows for the independent control of 12 devices and monitors the current draw on each devise. There are 2 versions of the relay board. The first is configured for 12 24VDC lines and the second has 8 24VDC lines and 4 110VAC lines. Both boards communicate using RS232.

Specifications:

Length:	5.5”
Width:	4.0”
Height:	0.5”
Supply:	6.5-9.0VDC 250mA
Sensor:	+/- 5A
Resolution:	30mA
Max Supply:	10A (24VDC) 10A (110VAC)

Connectors:

J1: Phoenix MSTB2.5 (5)
- P1 - Ground
- P2 - Supply
- P3 - RS232 (RX)
- P4 - RS232 (TX)
- P5 - RS232 (Ground)

J2: Phoenix MSTB2.5 (12)
- P1 - 1B (Out)
- P2 - 1A (In)
- P3 - 2B (Out)
- P4 - 2A (In)
- P5 - 3B (Out)
- P6 - 3A (In)
- P7 - 4B (Out)
- P8 - 4A (In)
- P9 - 5B (Out)
- P10 - 5A (In)
- P11 - 6B (Out)
- P12 - 6A (In)

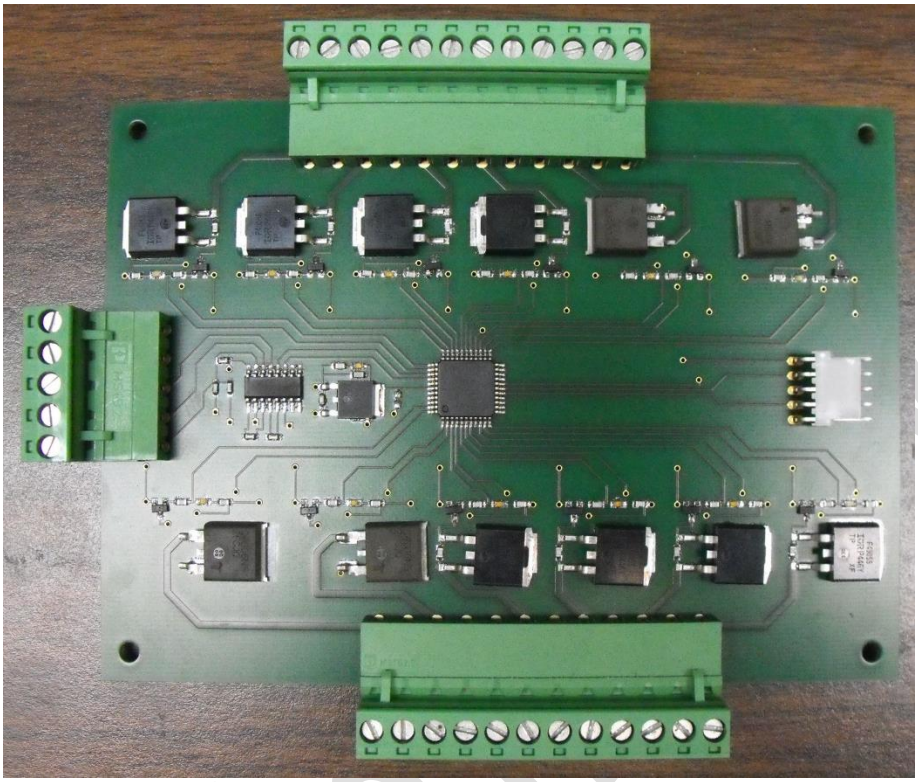
J3: Phoenix MSTB2.5 (12)
- P1 - 7B (Out)
- P2 - 7A (In)
- P3 - 8B (Out)
- P4 - 8A (In)
- P5 - 9B (Out)
- P6 - 9A (In)
- P7 - 10B (Out)
- P8 - 10A (In)
- P9 - 11B (Out)
- P10 - 11A (In)
- P11 - 12B (Out)
- P12 - 12A (In)

J4: Programming Port

Keep it Simple Technology LLC
2714 Pulaski Hwy Unit 3 Edgewood MD 21040 Phone: 410-676-1086 Fax: 410-676-1081

J2

P1



P1

J1

J4

P1

J3

Part Numbers:

NE14A69-A	Twelve 24VDC
NE14A69-B	Eight 24VDC (3-6, 9-12) and four 110VAC (1-2, 7-8)

Common Sense, it's Not Complicated

Keep it Simple Technology LLC
2714 Pulaski Hwy Unit 3 Edgewood MD 21040 Phone: 410-676-1086 Fax: 410-676-1081