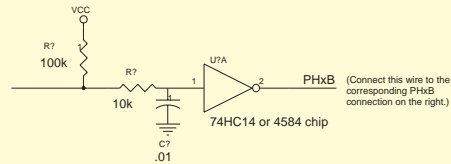


Rotary Encoder Interface for use with the EPIC card

If you are using rotary encoders that only have three wires you will likely need to add the following de-bounce circuit. Simply add this circuitry between each wire of the rotary encoder and the interface circuit. If your encoders have five wires, they likely already have a clear output, and this circuit is not needed.

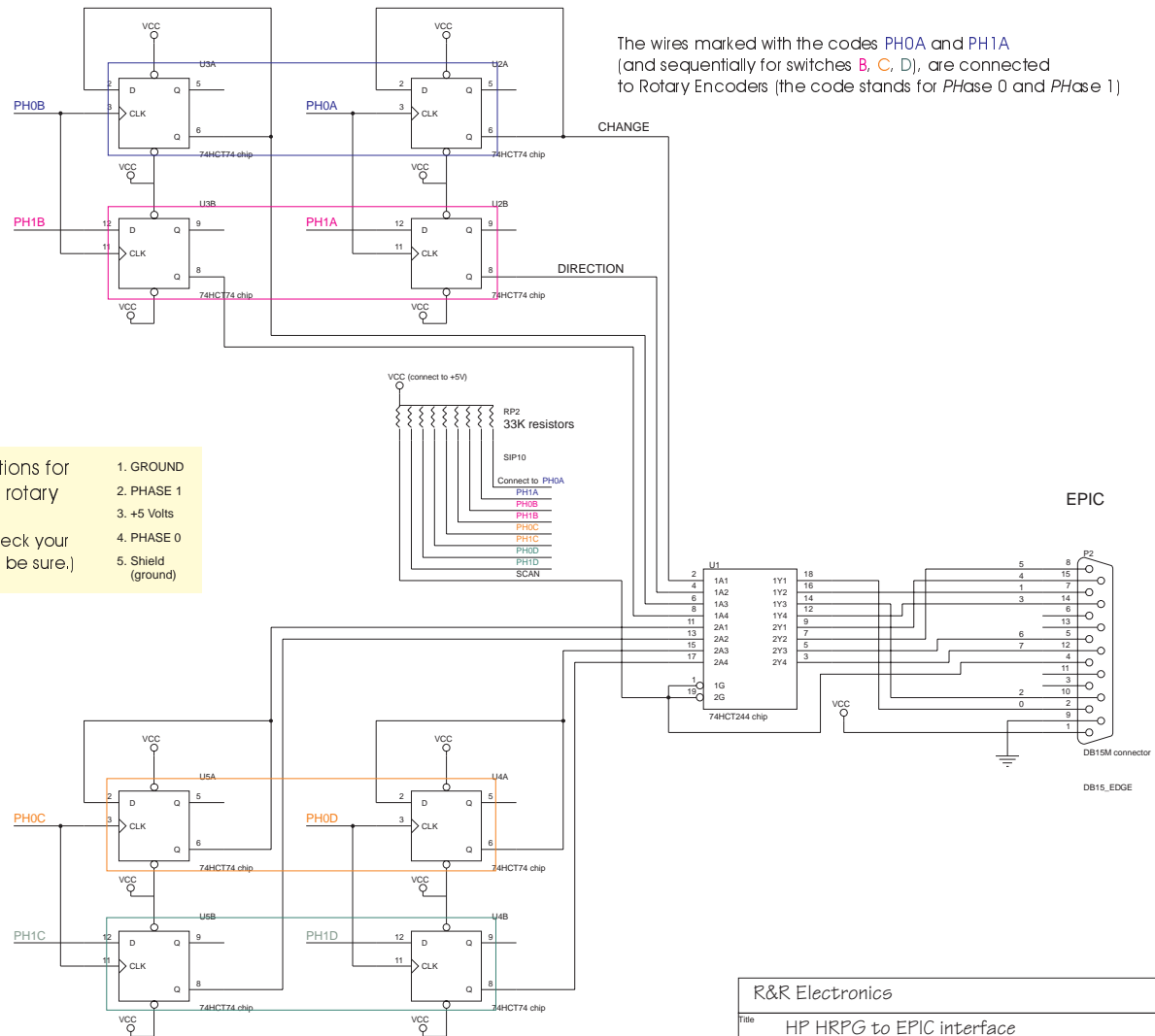


These are the pin definitions for Hewlett-Packard HRPG rotary encoders:
(yours will be similar, but check your encoder documentation to be sure.)

1. GROUND
2. PHASE 1
3. +5 Volts
4. PHASE 0
5. Shield (ground)

CODING EXPLANATION

VCC = + 5 Volts
PH0A = Phase 0, rotary A
PH1B = Phase 1, rotary B
(and so on)
CLK = Part of a Flip-flop chip



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Title HP HRPG to EPIC interface

Size B Document Number

Date Sunday, February 04, 1996

Sheet 1 of 1

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