

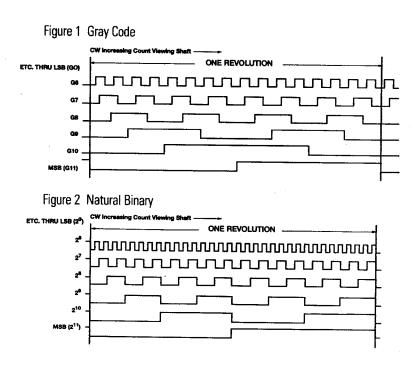
=> position determined by internal rotary potentiometer

Encoders "ticks" L "event": rising/falling edges IR reflective 2 3 5 sensor 6 slots 000-明 QUADRATURE ENCODER 3 ١ 13 5 9 Į) A 90° out of phase 8 10 12 4 2 В Backward Forward B B 0 | 0 0 0 0 ١ ł I I 0 I ł I 00 0 ł

Encoders (Continued...)

Encoder w/ index = channel that pulses once per revolution

ABSOLUTE ENCODER - has coded disk - outputs absolute angular position - # of channels -> resolution - output via parallel or serial interface

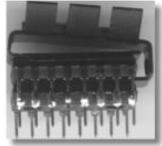


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H-Bridges

<u>1 Amp H-Bridges (on Handy Board) (right: stacked chips with heat sink)</u>

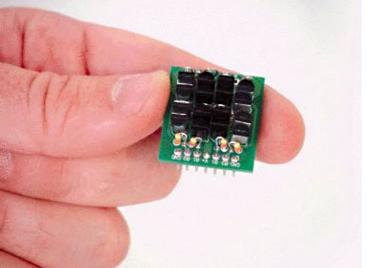




3 Amp H-Bridge

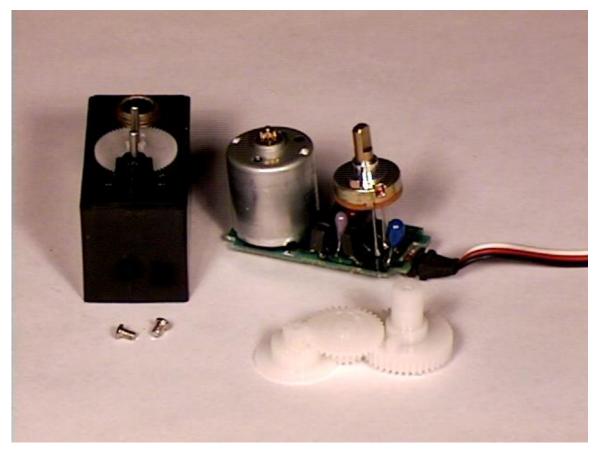


H-Bridge with discrete components



<u>Servos</u>





Encoders



