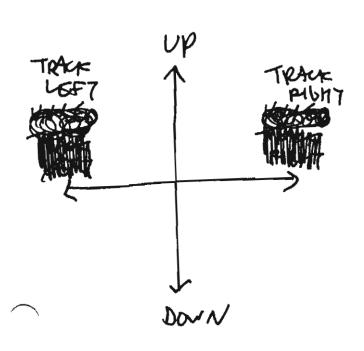
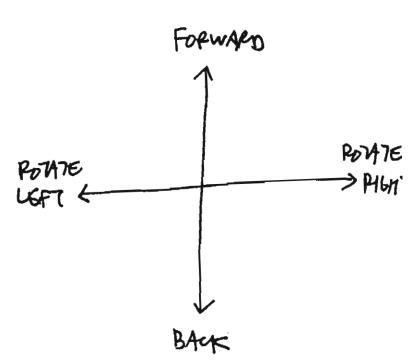
LEFT THUMB

PIGHT THUMB

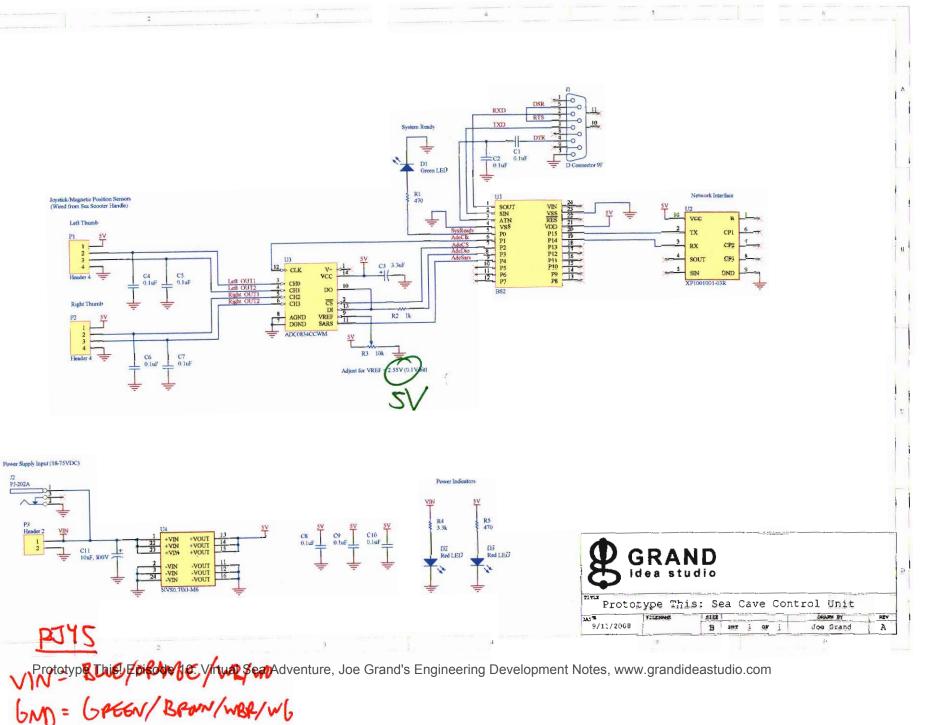




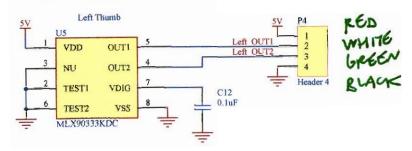
- · UMIT SPEED TO POV TO AVOID DAMAGE TO TAMK, FISH, OF COPPL
  - ·FIXED SPEED

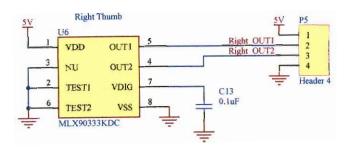
POV HAS Y THENSTERS:

- 1) PORT (LEFT)
- 3) STARBOARD (PIGHT)
- 3) LATERAL
- 4) VERTICAL
- · USE "MOTOR CONTROL DROGR MESSAGE" DATA PAGGET











Prototype This: Sea Cave Thumb Controls

Prototype This! Episode 10: Virtual Sea Adventure, Joe Grand Sprangingering Development Notes, www.grandideastudio.com A

Quantity	Designator	Comment	Description	Footprint	LibRef	Value
	11-C1, C2, C4, C5, C6, C7, C8, C9, C10, C11, C12	Сар	Capacitor	VP32-3.2	Сар	0.1uF
1	1 C3	Cap Pol1	Polarized Capacitor (Radial)	В	Cap Pol1	3.3uF
	1 C13	10uF, 100V	Polarized Capacitor (Radial)	CAPPR2.5-6.3X11.5	Cap Pol1	
	1 D1	Green LED	Typical INFRARED GaAs LED	LED	LED0	
	2 D2. D3	Red LED	Typical INFRARED GaAs LED	LED	LED0	
	1 J1	D Connector 9F	Receptacle Assembly, 9 Position, Right Angle	DSUB1.385-2H9	D Connector 9	
	1 J2	PJ-202A	The state of the s	PJ-202A	PHONEJACK_2	
	1 P1	Header 2	Header, 2-Pin	MSTB-2	Header 2	
	2 R1, R5	Res1	Resistor	AXIAL-0.3	Res1	470
	1 R2	Res1	Resistor	AXIAL-0.3	Res1	1k
	1 R3	RPot	Potentiometer	VR5	RPot	10k
	1 R4	Res1	Resistor	AXIAL-0.3	Res1	3.3k
	1 U1	BS2		DIP24W	BS2	
	1 U2	XP1001001-03R		XPORT	XPORT	100
	2 U3, U5	MLX90333KDC		SO-G8	MLX90333	
	1 U4	ADC0834CCWM	8-Bit Serial I/O A/D Converter with Multiplexer Option	M14B_L	ADC0834CCWM	
	1 U6	NVS0.7EG-M6		NV DC-DC CONVERT	ER NVS0.7EG-M6	

JYV => PONGR SUPPLY - JAMEGO # 29590] - MEANWELL SE-600-24

MAX-CURPENT, NO WATER:

STEADY STATE = 2.4A

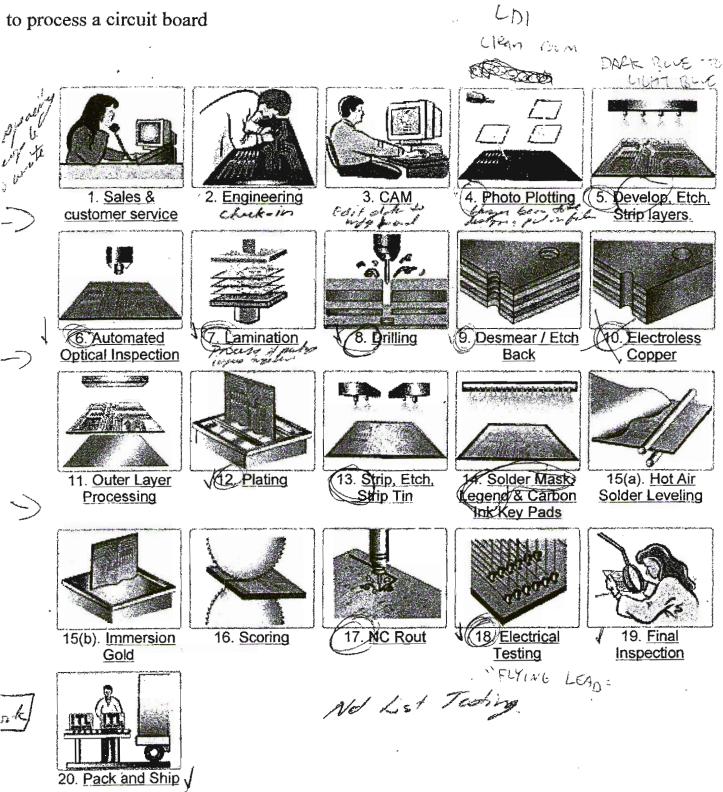
IN WATER:

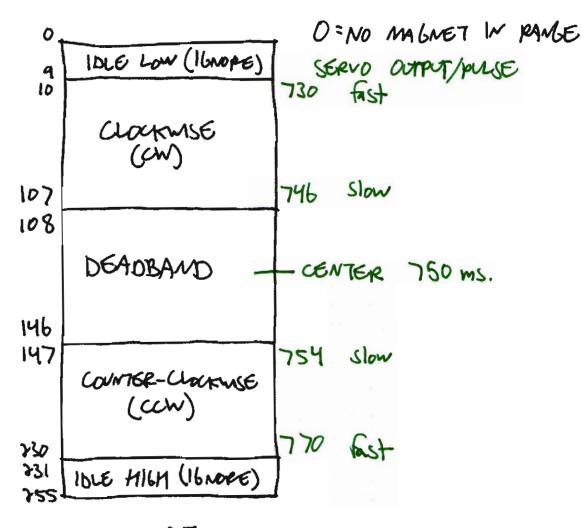
STEADY STATE = ~10A

or JAMESO #1585565

Prototype This! Episode 10: Virtual Sea Adventure, Joe Grand's Engineering Development Notes, www.grandibeastudis.com/Y-I/M

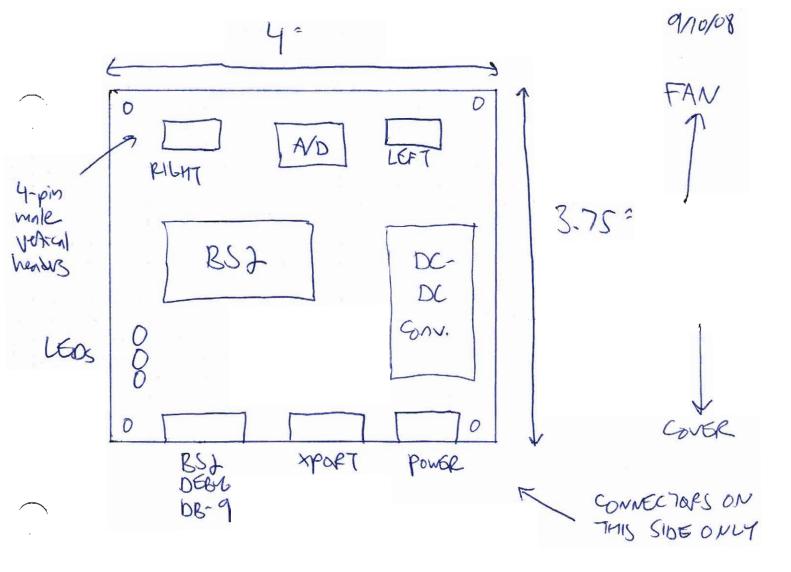
74Ve 12.5A





SCAUMS:  $10 \rightarrow 730$   $107 \rightarrow 746$   $-10 \quad 0 \rightarrow 0 \quad -730$   $16 \quad -730 = 00T$  $(RAW-10) \times \frac{97}{16} + 730 = 00T$ 

Prototype TASI Episode 18-Annal Sele Odyenture, Joe Grand Langmeering Development Notes, www.grandideastudio.com



SEA CAVE GONTFOL UMT

INITIAL MECHAMICAL OUTLINE

-FITS INSIDE WATER-TILHT BATTERY SOMPARMENT OF

"XPACER" SEA SCOOTER

-POT ENERYTHING FOR WATERPROFIND?

-TOP SILKSCPEEN ONLY

let. 19-38 Meletis MLX 90333 KDC bond ROL
Triatis Joseph Jenser t ponts

Solck - seral a.A... SOICS - SOM ORA SV, Spl Slow-mile of -SDIC8 3DIP8 somer board