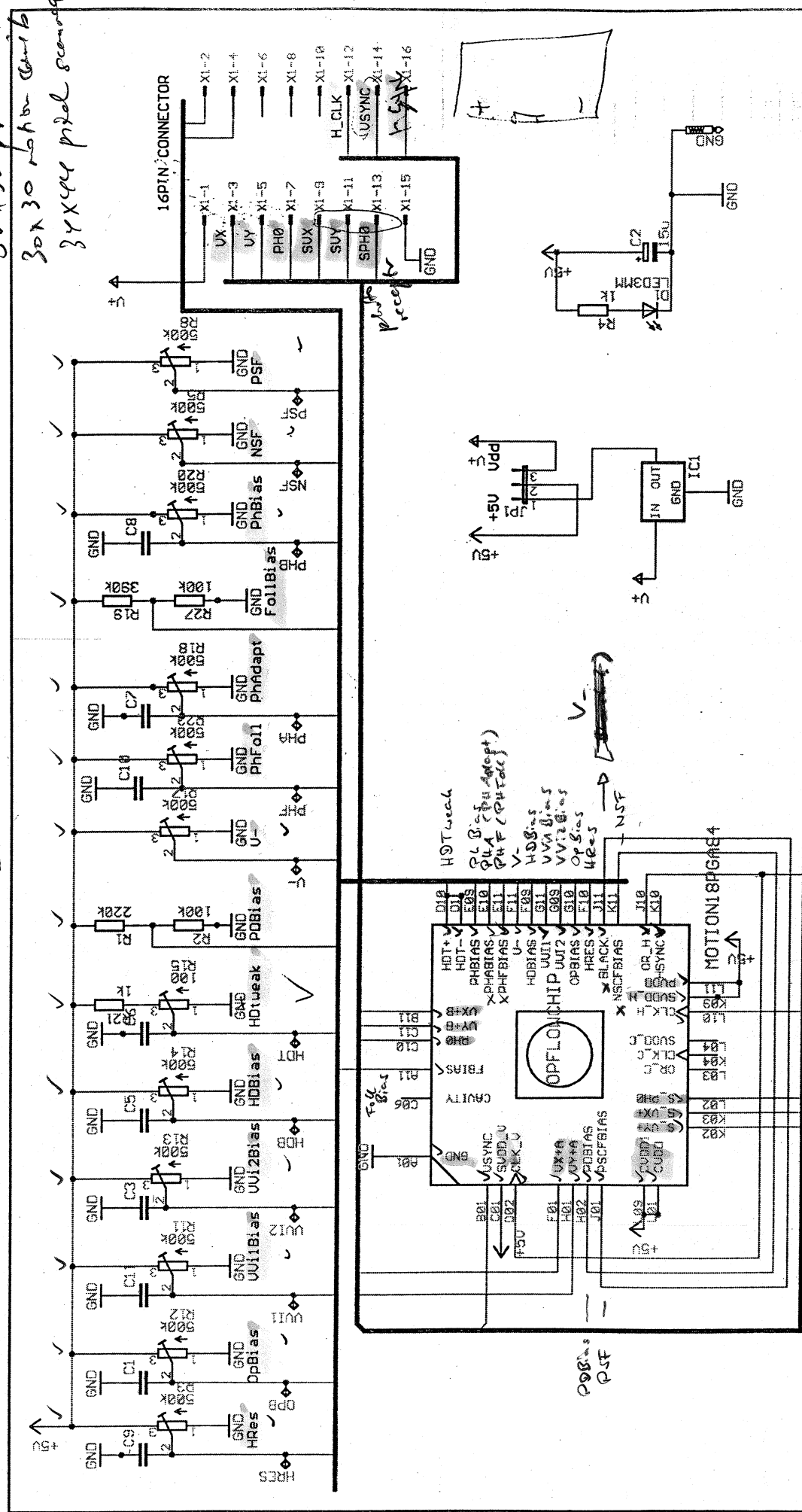


Alan's

32x32 pin
30x30 pin to unit
34x44 pin to second



TITLE: opFlowBoardB1_1		
Document Number:		REV:
Date: 10/17/2002 06:52:16p		Sheet: 1/1

$V_X + A \approx V_X + 0$
 $V_Y + A \approx V_Y + 0$

FROM BACK
(LEFT)

Parameter	Sensor 2Ddue [V]	Sensor 2Duno [V]
V+	7.63	7.66
5V	4.96	5.00
GND	0.004	0.001
HDT	0.016	0.017
* PhBias	4.28	4.26
PhAdaptBias	0.024	0.028
PhFollBias	3.40	3.40
HDBias	0.752	0.751
v-	2.503	2.487
VVi1Bias	1.161	1.151
VVi2Bias	0.388	0.370
clam → OpBias	0.333	0.333
Hres	0.811	0.801
pscf	4.96	5.00
nscf	0.006	0.001

V_i 2 ↑
→ increase
gain ↑
Opbias control
v-

Table 6.2: The sensor values in this table were used for the data acquisition experiments. The aim was to have low sensitivity and therefore a large linear measuring range

Parameter	Sensor 2Duno [V]
HDT	0.032
PhBias	4.25
PhAdaptBias	0.033
PhFollBias	3.39
HDBias	0.753
v-	2.356
VVi1Bias	1.151
VVi2Bias	0.280
OpBias	0.374
pscf	0
nscf	5

Table 6.3: The sensor values in this table were used for the experiments with the moving eye setup. The aim was to have high sensitivity

Peripheral
 A_{VCC} ~~VS_{NC}~~ ~~LI~~ L11 K03 C01

~~D12 VS_{NC} K10~~

ALAN'S

D11 OR_H J10

D10 VS_{NC} B01

AVCC Core L03 C01

D01 CLKV D02

D00 CLKH L10

DAC	2	Folk Bias	AH
	3	PO Bias	H02
	4	PL	E03
	5	HD Tweak	D10 D11
	6	PSCF	J01
	7	PH Adapt	E10
	8	PH Follower	E11
	9	HD	F03
	10	V- (=Black)	F11
	11	HPer	F10
	12	VV.2	G03
	13	Op	G10
	14	VV.1	G11
	15	NSRCF	K11

ADC	0	V _x + β	B11
	1	V _y + β	C11
	2	PH0	C10

~~3 V_y + A H01~~

~~4 V_x + A F01~~

3	5	S-V _x +	K03
4	6	S-V _y +	K02
5	7	S-PH0	L02