WASTED Pins	0	2	0	2		Pins start at (3) beca	ause of GND (1) and 5V (2)		
Worst Efficiency*	73.53%	57.35%	73.53%	57.35%		40 has 38 IO	Has up to 22.5% wasted pins		
Typical Efficiency*	85.29%	75.00%	85.29%	75.00%		30 has 28 IO	Has up to 30% wasted pins		
Board Title	40-30 (ALeft)	20-20-30 (A/Left)	30-40 (B/Right)	20-20-30 (B/Right)		20 has 18 IO	Has up to 45% wasted pins		
D2 (PWM)	IDC_40A Pin 3	IDC 20A1 Pin 3	IDC_30B Pin 3	GHT IDC_30B Pin 3		10 has 8 IO	Has up to up to 50% wasted	pins	
D3 (PWM)	IDC_40A Pin 4	IDC_20A1 Pin 3	IDC_30B Pin 4	IDC_30B Pin 4		*Worst efficiency n	neans 1 pin over capacity cause	s iump to next connec	tor (9 nins blank)
D4 (PWM)	IDC 40A Pin 5	IDC_20A1 Pin 5	IDC_30B Pin 5	IDC_30B Pin 5			says there will likely be 5 blank		
D5 (PWM)	IDC_40A Pin 6	IDC_20A1 Pin 6	IDC_30B Pin 6	IDC_30B Pin 6			ever be used - they don't even h		
D6 (PWM)	IDC_40A Pin 7	IDC_20A1 Pin 7	IDC_30B Pin 7	IDC_30B Pin 7		Blank: on breakout	board but unused		
D7 (PWM)	IDC_40A Pin 8	IDC_20A1 Pin 8	IDC_30B Pin 8	IDC_30B Pin 8					
D8 (PWM)	IDC_40A Pin 9	IDC_20A1 Pin 9	IDC_30B Pin 9	IDC_30B Pin 9		40-(20-20)-30			
D9 (PWM)	IDC_40A Pin 10	IDC_20A1 Pin 10	IDC_30B Pin 10	IDC_30B Pin 10					
D10 (PWM)	IDC_40A Pin 11	IDC_20A1 Pin 11	IDC_30B Pin 11	IDC_30B Pin 11		IDC cables should b	e cut to 250mm		
D11 (PWM) D12 (PWM)	IDC_40A Pin 12 IDC_40A Pin 13	IDC_20A1 Pin 12 IDC_20A1 Pin 13	IDC_30B Pin 12 IDC_30B Pin 13	IDC_30B Pin 12 IDC_30B Pin 13					
D13 (PWM)	IDC_40A Pin 14	IDC_20A1 Pin 14	IDC_30B Pin 14	IDC_30B Pin 14					
D14 (TX3)	IDC_40A Pin 15	IDC_20A1 Pin 15	IDC_30B Pin 15	IDC_30B Pin 15					
D15 (RX3)	IDC_40A Pin 16	IDC_20A1 Pin 16	IDC_30B Pin 16	IDC_30B Pin 16					
D16 (TX2)	IDC_40A Pin 17	IDC_20A1 Pin 17	IDC_30B Pin 17	IDC_30B Pin 17					
D17 (RX2)	IDC_40A Pin 18	IDC_20A1 Pin 18	IDC_30B Pin 18	IDC_30B Pin 18					
D18 (TX1)	IDC_40A Pin 19	IDC_20A1 Pin 19	IDC_30B Pin 19	IDC_30B Pin 19					
D19 (RX1)	IDC_40A Pin 20	IDC_20A1 Pin 20	IDC_30B Pin 20	IDC_30B Pin 20					
D20 (SDA) D21 (SCL)	IDC_40A Pin 21 IDC_40A Pin 22	IDC_20A2 Pin 3 IDC_20A2 Pin 4	IDC_30B Pin 21 IDC_30B Pin 22	IDC_30B Pin 21 IDC_30B Pin 22					
D21 (SCL)	IDC_40A Pin 23	IDC_20A2 Pin 4	IDC_30B Pin 23	IDC_30B Pin 22					
D23	IDC_40A Pin 24	IDC_20A2 Pin 6	IDC_30B Pin 24	IDC_30B Pin 24					
D24	IDC_40A Pin 25	IDC_20A2 Pin 7	IDC_30B Pin 25	IDC_30B Pin 25					
D25	IDC_40A Pin 26	IDC_20A2 Pin 8	IDC_30B Pin 26	IDC_30B Pin 26					
D26	IDC_40A Pin 27	IDC_20A2 Pin 9	IDC_30B Pin 27	IDC_30B Pin 27					
D27	IDC_40A Pin 28	IDC_20A2 Pin 10	IDC_30B Pin 28	IDC_30B Pin 28					
D28	IDC_40A Pin 29	IDC_20A2 Pin 11	IDC_30B Pin 29	IDC_30B Pin 29					
D29 D30	IDC_40A Pin 30 IDC_40A Pin 31	IDC_20A2 Pin 12 IDC_20A2 Pin 13	IDC_30B Pin 30 IDC_40B Pin 3	IDC_30B Pin 30 IDC_20B1 Pin 3					
D30	IDC_40A Pin 31	IDC_20A2 Pin 13	IDC_40B Pin 4	IDC_20B1 Pin 4					
D32	IDC_40A Pin 33	IDC 20A2 Pin 15	IDC_40B Pin 5	IDC_20B1 Pin 5					
D33	IDC_40A Pin 34	IDC_20A2 Pin 16	IDC_40B Pin 6	IDC_20B1 Pin 6					
D34	IDC_40A Pin 35	IDC_20A2 Pin 17	IDC_40B Pin 7	IDC_20B1 Pin 7					
D35	IDC_40A Pin 36	IDC_20A2 Pin 18	IDC_40B Pin 8	IDC_20B1 Pin 8					
D36	IDC_40A Pin 37	IDC_20A2 Pin 19	IDC_40B Pin 9	IDC_20B1 Pin 9					
D37	IDC_40A Pin 38	IDC_20A2 Pin 20	IDC_40B Pin 10	IDC_20B1 Pin 10					
D38 D39	IDC_40A Pin 39 IDC_40A Pin 40	WASTED WASTED	IDC_40B Pin 11 IDC_40B Pin 12	IDC_20B1 Pin 11 IDC_20B1 Pin 12					
D39	IDC_40A FIII 40	WASTED	IDC_40B FIII 12	IDC_20B1 FIII 12					
A14	IDC 40A Pin 37	IDC 20A2 Pin 19	IDC_30B Pin 29	29	<< What the heck is the	his? Why are there a	nalog pins in the middle of the d	ligital pins? Why on ea	rth is this welcome!?
A15	IDC_40A Pin 38	IDC_20A2 Pin 20	IDC_30B Pin 30	30			sted so we made them connecte		
					This lets us have anal	log pins on every cor	nector except 20A1 and 30B (w	hich you could just plu	ig into 20A2 or 30A)
D40	IDC_30A Pin 3	IDC_30A Pin 3	IDC_40B Pin 13	IDC_20B1 Pin 13					
D41	IDC_30A Pin 4	IDC_30A Pin 4	IDC_40B Pin 14	IDC_20B1 Pin 14					
D42	IDC_30A Pin 5	IDC_30A Pin 5	IDC_40B Pin 15	IDC_20B1 Pin 15					
D43 D44 (PWM)	IDC_30A Pin 6 IDC_30A Pin 7	IDC_30A Pin 6 IDC_30A Pin 7	IDC_40B Pin 16 IDC_40B Pin 17	IDC_20B1 Pin 16 IDC_20B1 Pin 17					
D45 (PWM)	IDC_30A Pin 8	IDC_30A Pin 8	IDC_40B Pin 17	IDC_20B1 Pin 17					
D46 (PWM)	IDC_30A Pin 9	IDC_30A Pin 9	IDC_40B Pin 19	IDC_20B1 Pin 19					
D47	IDC_30A Pin 10	IDC_30A Pin 10	IDC_40B Pin 20	IDC_20B1 Pin 20					
D48	IDC_30A Pin 11	IDC_30A Pin 11	IDC_40B Pin 21	IDC_20B2 Pin 3					
D49	IDC_30A Pin 12	IDC_30A Pin 12	IDC_40B Pin 22	IDC_20B2 Pin 4					
D50 (MISO)	IDC_30A Pin 13	IDC_30A Pin 13	IDC_40B Pin 23	IDC_20B2 Pin 5					
D51 (MOSI)	IDC_30A Pin 14	IDC_30A Pin 14 IDC_30A Pin 15	IDC_40B Pin 24	IDC_20B2 Pin 6 IDC_20B2 Pin 7					
D52 (SCK) D53 (SS)	IDC_30A Pin 15 IDC_30A Pin 16	IDC_30A Pin 15	IDC_40B Pin 25 IDC_40B Pin 26	IDC_20B2 Pin 7					
A0	IDC_30A Pin 16	IDC_30A Pin 16	IDC_40B Pin 27	IDC_20B2 Pin 8					
A1	IDC_30A Pin 18	IDC_30A Pin 18	IDC_40B Pin 28	IDC_20B2 Pin 10					
A2	IDC_30A Pin 19	IDC_30A Pin 19	IDC_40B Pin 29	IDC_20B2 Pin 11					
A3	IDC_30A Pin 20	IDC_30A Pin 20	IDC_40B Pin 30	IDC_20B2 Pin 12					
A4	IDC_30A Pin 21	IDC_30A Pin 21	IDC_40B Pin 31	IDC_20B2 Pin 13					
A5	IDC_30A Pin 22	IDC_30A Pin 22	IDC_40B Pin 32	IDC_20B2 Pin 14					
A6	IDC_30A Pin 23	IDC_30A Pin 23	IDC_40B Pin 33	IDC_20B2 Pin 15					
A7 A8	IDC_30A Pin 24 IDC_30A Pin 25	IDC_30A Pin 24 IDC_30A Pin 25	IDC_40B Pin 34 IDC_40B Pin 35	IDC_20B2 Pin 16 IDC_20B2 Pin 17					
A9	IDC_30A Pin 25	IDC_30A Pin 25 IDC_30A Pin 26	IDC_40B Pin 35	IDC_20B2 Pin 17					
A10	IDC_30A Pin 27	IDC_30A Pin 27	IDC_40B Pin 37	IDC_20B2 Pin 19					
A11	IDC_30A Pin 28	IDC_30A Pin 28	IDC_40B Pin 38	IDC_20B2 Pin 20					
A12	IDC_30A Pin 29	IDC_30A Pin 29	IDC_40B Pin 39	WASTED					
A13	IDC_30A Pin 30	IDC_30A Pin 30	IDC_40B Pin 40	WASTED					
A14	Mutual w/ D36	Mutual w/ D36	Mutual w/ D28	Mutual w/ D28					
A15	Mutual w/ D37	Mutual w/ D37	Mutual w/ D29	Mutual w/ D29					