

# CD34



Fully configurable driver/co-driver display using an 8in high brightness TFT Screen with 100 pages and advanced co-driver functionality

## Specifications

Parameter	Value
Operating Voltage	6.5V to 18V
Power Consumption	<0.5A at 12V
LED Backlit IPS TFT Display	800x480 pixel resolution and 262144 colours. Viewable Area 174x104mm
Memory	
Main Setup	50 MB
Backup	32 KB (Used for storing min/max values)
Logging	200 MB
9 Shift lights	Tri-colour, individually configurable
Inputs	
12 Analogue Inputs	0-5V Software selectable pulls ups, 5 Shared
4 Speed Inputs	Hall Effect (VR Hardware selectable at build), 1 Shared with analogues
7 Sensor Powers	4 are software selectable between 5V and 12V, 3 are 5v fixed
1 Thermocouple Input	K-Type, 0-1250 °C
4 Button Inputs	Pull to ground
1 Beacon Input	Pull to ground
Outputs	
5 Light Drivers	1.2Amps
Internal Battery Voltage	
Internal Temperature	
Communications	
2 CAN	CAN 2.0, User configurable baud rate
Serial	1 RS232 Receive
USB	USB 2.0
Ethernet	10/100 for high speed log download
Casing	Anodised Aluminium, sealed against dust and liquid ingress
Size	204x136.5x27mm (excluding connector)
Weight	650g

## Connectors

ID	Connector	Loom/Mating Connector
1	AS216-35PN-975A	AS616-35SN

## Pin Out

Connector	1		
Pin	Name	Function	Notes
1	12V PWR	12V Power Supply	
2	SENSPWR1	Sensor Power 1	Software Selectable 5V or 12V
3	0V GND	Power Ground	
4	PAGE	Analogue Input 0 (Page Select)	4K7 Pull Up
5	GND	Ground	
6	SENSPWR2	Sensor Power 2	Software Selectable 5V or 12V
7	SENSPWR3	Sensor Power 3	Software Selectable 5V or 12V
8	GND	Ground	
9	AN2	Analogue Input 2	0-5V, Software Selectable Pull-ups
10	AN1	Analogue Input 1	
11	AN15	Analogue Input 15	
12	NC	<i>Not Used</i>	
13	SENSPWR4	Sensor Power 4	Software Selectable 5V or 12V
14	SELECT	Button Input (SELECT)	Pull to ground
15	GND	Ground	
16	RESET	Button Input (RESET)	Pull to ground
17	AN4	Analogue Input 4	0-5V, Software Selectable Pull-ups
18	AN3	Analogue Input 3	
19	AN5	Analogue Input 5	
20	SENSPWR5	Sensor Power 5	5V
21	SENSPWR6	Sensor Power 6	5V
22	DWN_ADJ	Button Input (DOWN)	Pull to ground
23	UP_ADJ	Button Input (UP)	
24	LT5	Light Driver 5	0-12V
25	AN7	Analogue Input 7	0-5V, Software Selectable Pull-ups
26	AN6	Analogue Input 6	
27	SENSPWR7	Sensor Power 7	5V
28	UP_BRITE	Brightness Adjust Up	Pull to ground to activate
29	DWN_BRITE	Brightness Adjust Down	
30	LT4	Light Driver 4	
31	LT3	Light Driver 3	
32	BEACON	Beacon Input	Pull to ground to activate
33	TC-	Thermocouple Input -	K-Type
34	TC+	Thermocouple Input +	
35	GND	Ground	
36	NC	<i>Not Used</i>	
37	RX1	Serial Input	

38	LT2	Light Driver 2	
39	LT1	Light Driver 1	
40	T2	Speed Input 2 OR Analogue Input 9	Hall Effect / 0-5V
41	T1	Speed Input 1 OR Analogue Input 8	
42	USB GND	USB Ground	
43	USB_PWR	USB Power	
44	USB-	USB Data -	
45	USB+	USB Data +	
46	CAN1L	CAN 1 Low	
47	T4	Speed Input 4 OR Analogue Input 11	Hall Effect / 0-5V
48	T3	Speed Input 3 OR Analogue Input 10	
49	CAN2L	CAN 2 Low	
50	Eth Rx+	Ethernet Rx +	
51	Eth Tx+	Ethernet Tx +	
52	CAN1H	CAN 1 High	
53	CAN2H	CAN 2 High	
54	Eth Rx-	Ethernet Rx -	
55	Eth Tx-	Ethernet Tx -	

# Dimensions

