

Lorry Trailer (EDP1)

Channel	Function	Pin	Info	Implementation
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1	Legs	A4	Prop to ESC to control Legs Motor	P - Proportional
2	Rear/Stop Lights	6	PWM to <u>LEDs</u> (Off/Mid/High)	1 - Prop whole swing - LED driver
3	Indicator	8	Off/On	S - using direction - LED driver
4	Indicator	9	Off/On	S - using direction - LED driver
5	Reversing Light	11	Off/On	S - using direction - LED driver
6	ToggleSwitch	-		T - Off/On, Mid/High & Mid/Low

TSwitch	Function			
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1	=	High Vis Rear Light	12	Off/On
2	=	5v Power On/Off	A3	(Circulating Warning Light?)
5	=	Debug - info output	USB	Display with TTY screen on PC (<u>ArduinoIDE</u> or PuTTY)
				Level 3=everything; 2= Power level & FlashingTrailerMarkerLights;
				1=infrequent messages (legs, ...)
6	=	Separate LED for TSwitch No.		
		A0	Number of flashes =	TSwitch No.

Specials & Extras

Leg Down Sensor	A1	Sensor to notify legs down	Linear Hall Effect Diode
Trailer Brake	A5	Prop to Servo to control Brake	Proportional - Mid to High
Running Lights (back)	4	2 sets of side <u>LEDs</u> Off/On	Controlled by channel 2
Running Lights (front)	7	2 side and 2 front <u>LEDs</u> Off/On	Controlled by channel 2 and flashed when Trailer Brake On

Suggested Change: Move "pull up" for IR receiver to breakout board (then use single core shielded!)

CL520 LED Driver pulls 0.5mA to control it.

Trailer Running Lights = Back-6cm; 4 x 21cm; 7.5cm-Front. Front Marker Lights = White < 1cm from side.