

# SPECIFICATION:

For Dip switch configuration, please visit us online at  
<http://lcdparts.net/howto/MS456UB.aspx>

MS456UB Ver6	Dimension: 125MM(L)X30MM(W)X10MM(H)
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MS456UB-V6 is design for 12.1 to 24 inch LCD screen. MS456UB-V6 can drive LED strips up to 55V DC (20W).

Input Pin Assignment:

Default Pin Assignment: (Shorted J2, Shorted J3)

PIN NO	SYMBOL	DESCRIPTION
1,2	VIN	POWER SUPPLY: 10.5-19V DC*
6	ENA	ENABLED & DISABLED CONTROL: 3.0V ON
4	ADJ	BRIGHTNESS CONTROL: 0-3.5V, 0V=MAX.
3,5	GND	POWER SUPPLY GROUND, P3=NC

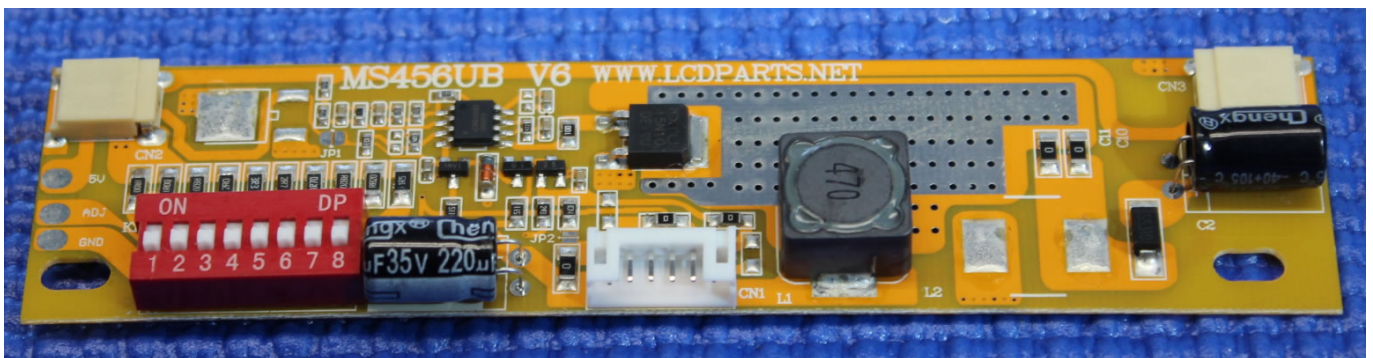
Optional Pin Assignment: (Shorted J1 and Shorted J4)

PIN NO	SYMBOL	DESCRIPTION
1,2	VIN	POWER SUPPLY: 10.5-19V DC *
3	ENA	ENABLED & DISABLED CONTROL: 3.0V ON
4	ADJ	BRIGHTNESS CONTROL: 0-3.5V, 0V=MAX.
5,6	GND	POWER SUPPLY GROUND, P6=NC

Output Pin Assignment:

CN2 and CN3

PIN	SYMBOL	FUNCTION
1	Red	POWER SUPPLY OUTPUT
2	LV	POWER SUPPLY GROUND



## How to Disable Enable

Just simply add solder on JP2 near Pin 1 of CN1. That is it!

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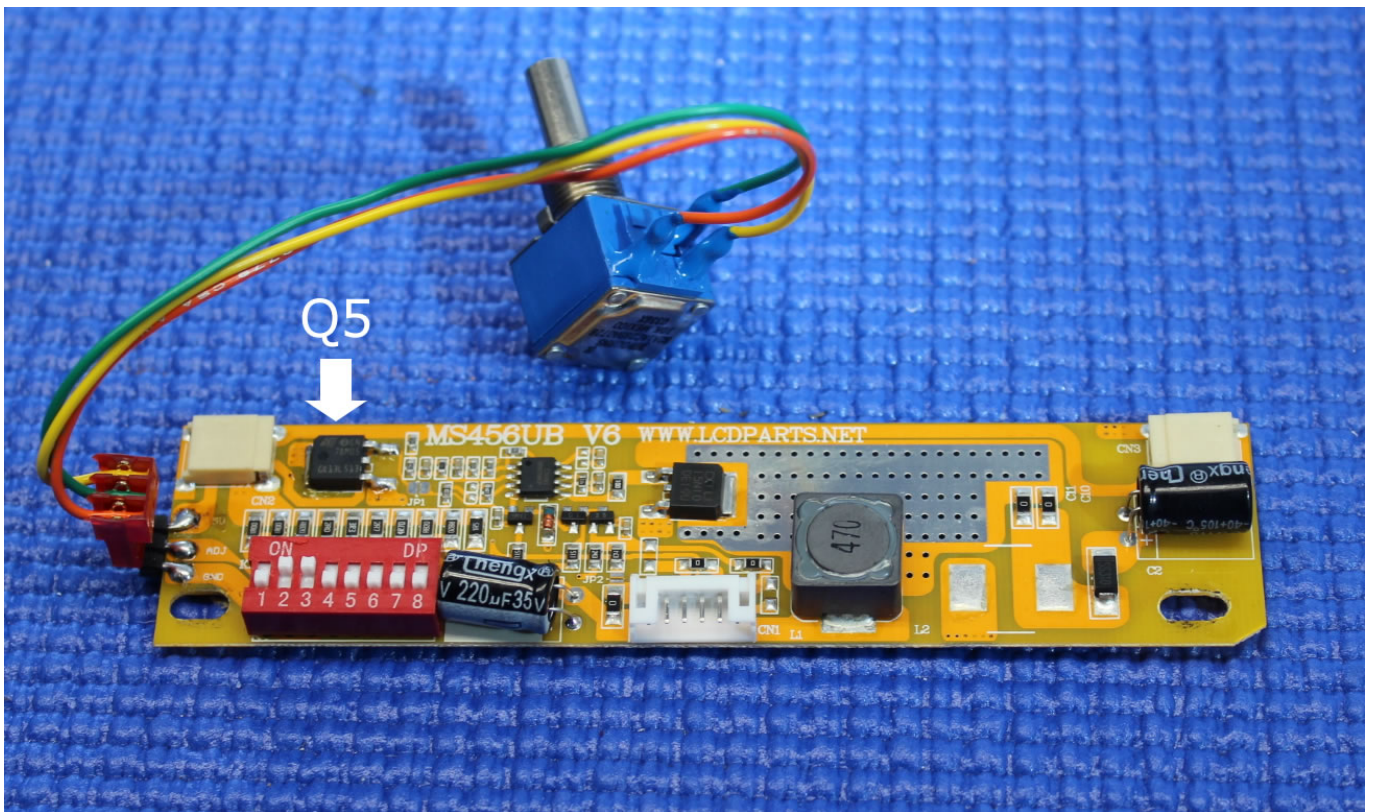
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## External Bright Control:

By adding Q5 (a 5V DC regulator) and a 10k variable resistor (Pot). Brightness level can be adjusted externally as shown on the photo below:



Note:

When using an external brightness control, no connection on pin 4 (ADJ)

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