

## 4 Channel Opto-Isolated Module Using High Speed 6N137 Opto-Coupler

4 Channel Opto isolated board has been designed around 6N137 Opto-coupler, the 6N137 optocoupler is designed for use in high-speed digital interfacing applications that require high-voltage isolation between the input and output. Applications include line receivers, microprocessors or computer interface, digital programming of floating power supplies, motors, and other control systems.

The 6N137 high-speed optocoupler consists of a GaAsP light-emitting diode and an integrated light detector composed of a photodiode, a high-gain amplifier, and a Schottky-clamped open-collector output transistor. An input diode forward current of 5 milliamperes will switch the output transistor low, providing an on-state drive current of 13 milliamperes (eight 1.6-milliampere TTL loads).

**Note :** For 3.3 Input Signal R1, R4, R7, R10 = 220E

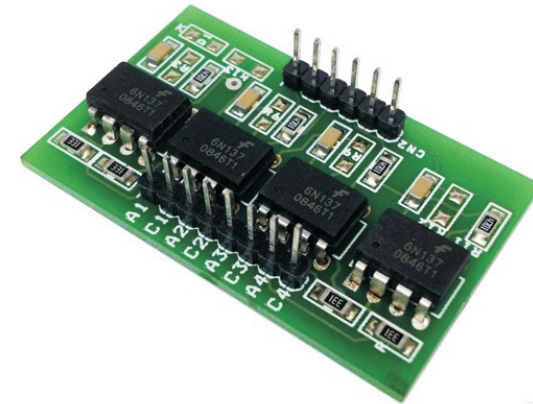
### Features

Supply 5V DC

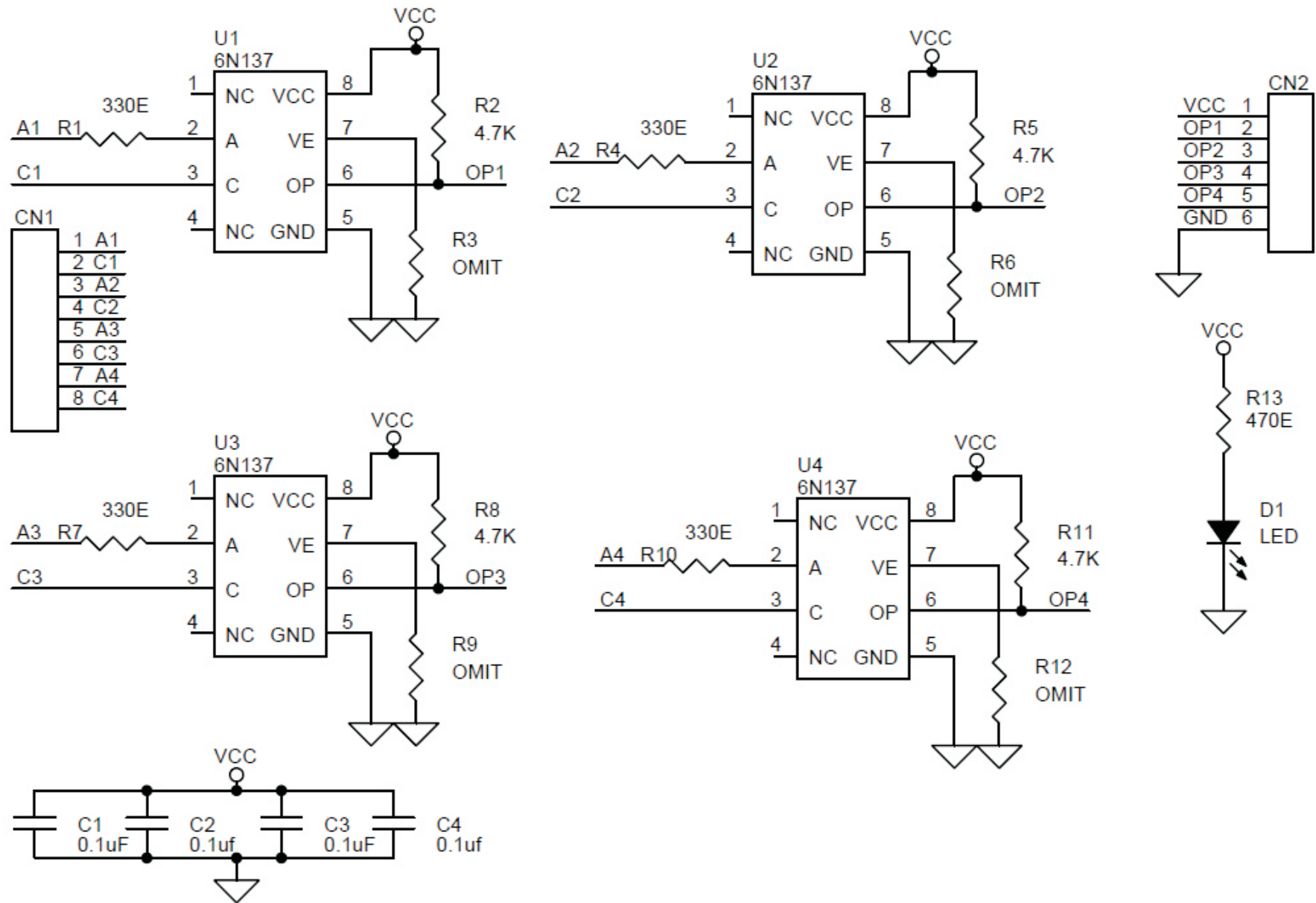
Input Signal : 5V DC TTL

Header Connectors for Inputs & Outputs

D1 Power LED



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0 7 0 0 5

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BOM			
SR.	QNTY	REF.	DESC.
1	1	CN1	8 PIN HEADER CONNECTOR
2	1	CN2	6 PIN HEADER CONNECTOR
3	4	C1,C2,C3,C4	0.1uf SMD 1206
4	1	D1	LED SMD 1206
5	4	R1,R4,R7,R10	330E
6	4	R2,R5,R8,R11	4.7K
7	4	R3,R6,R9,R12	OMIT
8	1	R13	470E
9	4	U1,U2,U3,U4	6N137

