

NOTE: Computer ground \perp and circuit ground ∇ are separate.
Do NOT connect together. ∇ GND

For reference only. Use at your own risk.
This schematic was obtained by tracing a sample unit and may contain errors.
Component designations provided where visible.
U2, U3: Generic quad optocoupler, LTV-847 typical
T1: Generic PNP transistor; 2N3906, 2N3095, 2N2907, many others OK

LEGO 70455 INTERFACE COMPUTER I/O

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Sheet: /
File: Lego1.sch Traced by N. Greenough N2GX

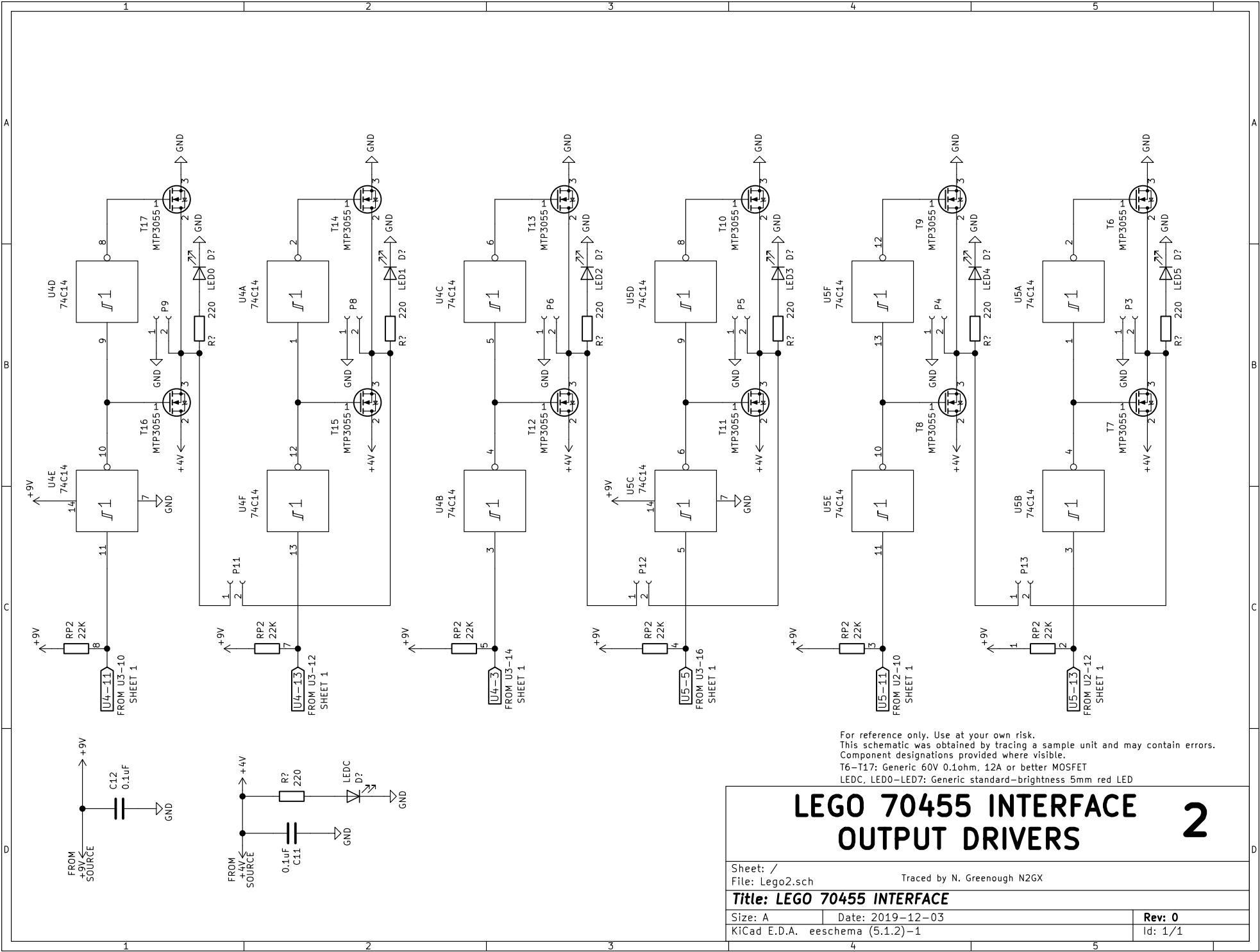
Title: LEGO 70455 INTERFACE

Size: A Date: 2019-12-03

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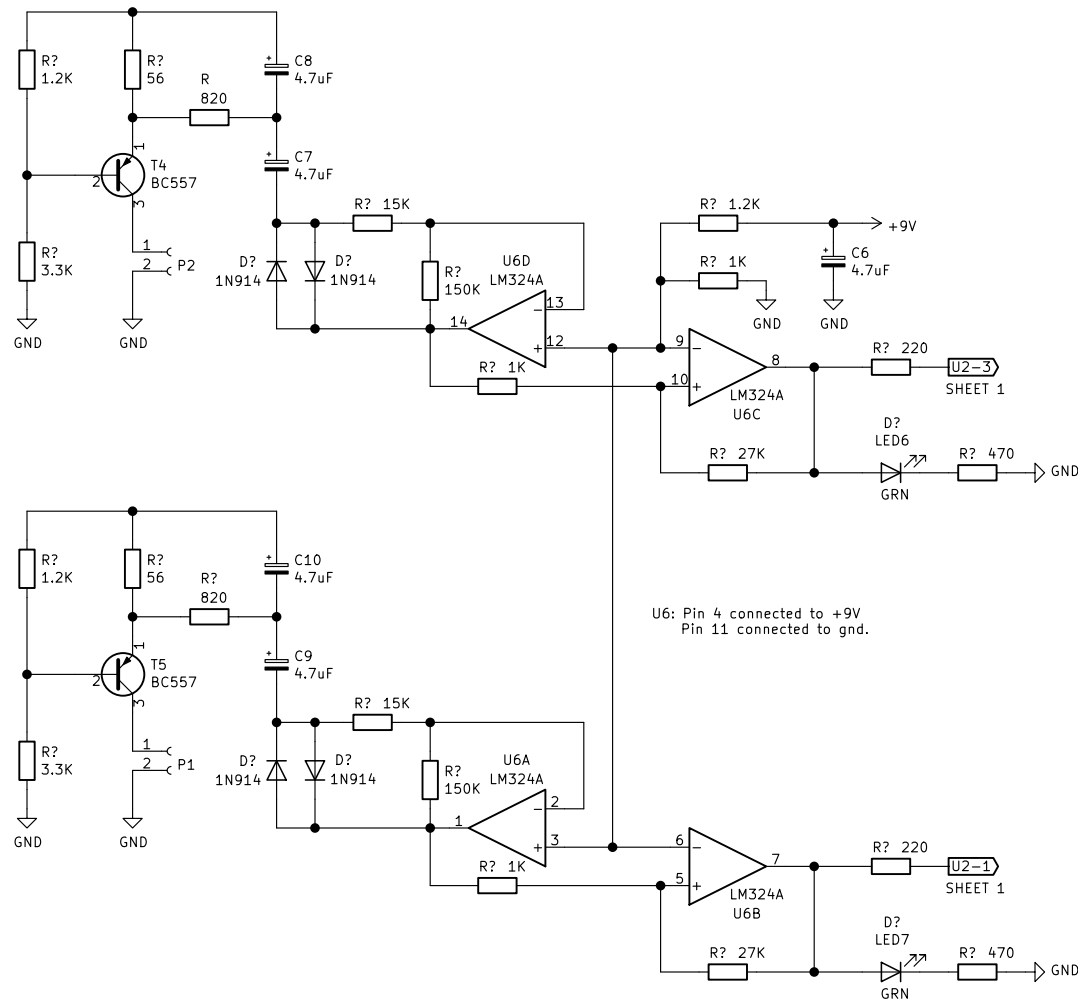
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 Component designations provided where visible.
 T6-T17: Generic 60V 0.1ohm, 12A or better MOSFET
 LEDC, LED0-LED7: Generic standard-brightness 5mm red LED

<h1>LEGO 70455 INTERFACE OUTPUT DRIVERS</h1>		2
Sheet: /		Traced by N. Greenough N2GX
File: Lego2.sch		
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U6: Pin 4 connected to +9V
Pin 11 connected to gnd.

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LEGO 70455 INTERFACE INPUT CIRCUIT

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Sheet: / Traced by N. Greenough N2GX
File: Lego3.sch

Title: LEGO 70455 INTERFACE

Size: A Date: 2019-12-03

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