CENTER

Schematic diagram — FollowingSensor1.0.sch

Connector J1 (Conn_01x18): pins 18, 17 (AD1), 16 (AD2), 15 (AD3), 14 (AD4), 13 (AD5), 12 (AD6), 11 (AD7), 10 (AD8), 9 (AD9), 8 (AD10), 7 (AD11), 6 (AD12), 5 (AD13), 4 (AD14), 3 (SENSOR_PULSE), 2, 1

PWR_FLAG +3.3V
C1 1u
PWR_FLAG GND

Sensor stages (top row, CENTER): Q6, Q7, Q8, Q9 — TEMT7100X01; R6 100, R7 100; D6, D7 SIR19-21C/TR8; AD6, AD7, AD8, AD9; +3.3V; GND; SENSOR_PULSE

Sensor stages (bottom left):
- R1 100, D1 SIR19-21C/TR8, Q1 TEMT7100X01, AD1
- R2 100, D2 SIR19-21C/TR8, Q2 TEMT7100X01, AD2
- R3 100, D3 SIR19-21C/TR8, Q3 TEMT7100X01, AD3
- R4 100, D4 SIR19-21C/TR8, Q4 TEMT7100X01, AD4
- R5 100, D5 SIR19-21C/TR8, Q5 TEMT7100X01, AD5
+3.3V, GND, SENSOR_PULSE

Sensor stages (bottom right):
- R8 100, D8 SIR19-21C/TR8, Q10 TEMT7100X01, AD10
- R9 100, D9 SIR19-21C/TR8, Q11 TEMT7100X01, AD11
- R10 100, D10 SIR19-21C/TR8, Q12 TEMT7100X01, AD12
- R11 100, D11 SIR19-21C/TR8, Q13 TEMT7100X01, AD13
- R12 100, D12 SIR19-21C/TR8, Q14 TEMT7100X01, AD14
+3.3V, GND, SENSOR_PULSE

Sheet: /
File: FollowingSensor1.0.sch
Title:
Size: A3   Date: Rev:
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