	1	2	3	4

5V   **5V**

R1
1K

D3

D1
1N4148W

RL1
V+   NO
COM
V-   NC
5VDC

NO-1   3
COM-1   2
NC-1   1

T1

Terminal-3 5mm

J1
1
2
3
4

GND   5V

R1
R2

R1   R3
1K

Q1
MMBT3904

R5
10K

5V   **5V**

R2
1K

D4

D2
1N4148W

RL2
V+   NO
COM
V-   NC
5VDC

NO-2   3
COM-2   2
NC-2   1

T2

Terminal-3 5mm

R2   R4
1K

Q2
MMBT3904

R6
10K

H1
Screw Hole 3 mm

H2
Screw Hole 3 mm

H3
Screw Hole 3 mm

H4
Screw Hole 3 mm

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Digi-Key Part Number	Designator	Comment	Description	Footprint	Manufacturer Part Number	Manufacturer	Quantity
1N4148WTPMSCT-ND	D1, D2	1N4148W	1N4148W	SOD123	1N4148W-TP	Micro Commercial	2
	D3, D4	LED_0805_RED	LED	LED-0805-RED			2
	J1	10 P	1 X 2.54 mm THT Pin Header	HDR-4-PIN			1
MMBT3904FSCT-ND	Q1, Q2	MMBT3904	MMBT3904	SOT23-3	MMBT3904	ON Semiconductor	2
311-1.0KARCT-ND	R1, R2, R3, R4	1K	1K	RES_0805	RC0805JR-071KL	Yageo	4
311-10KARCT-ND	R5, R6	10K	10K	RES_0805	RC0805JR-0710KL	Yageo	2
	RL1, RL2	5VDC		JQC-3F-C			2
732-2039-ND	T1, T2	Terminal-3 5mm		691213710003	691213710003	Würth Elektronik	2