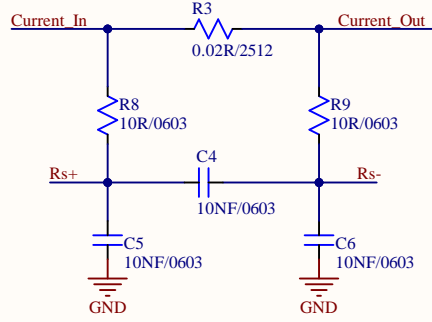
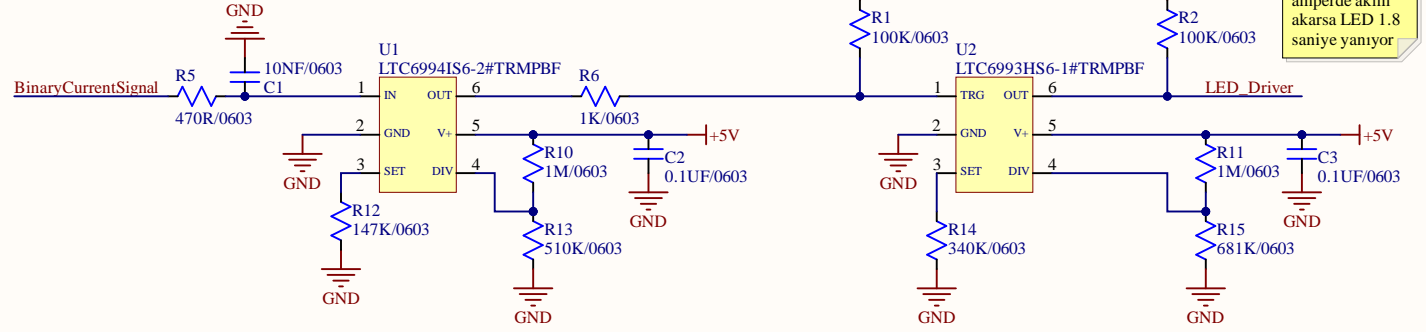


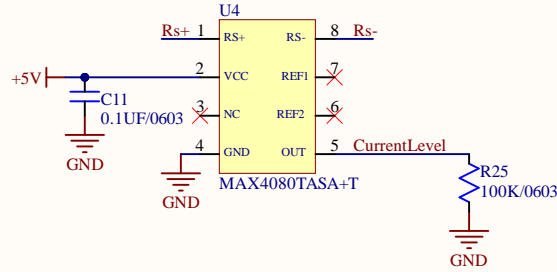
Akım Girişi Devresi



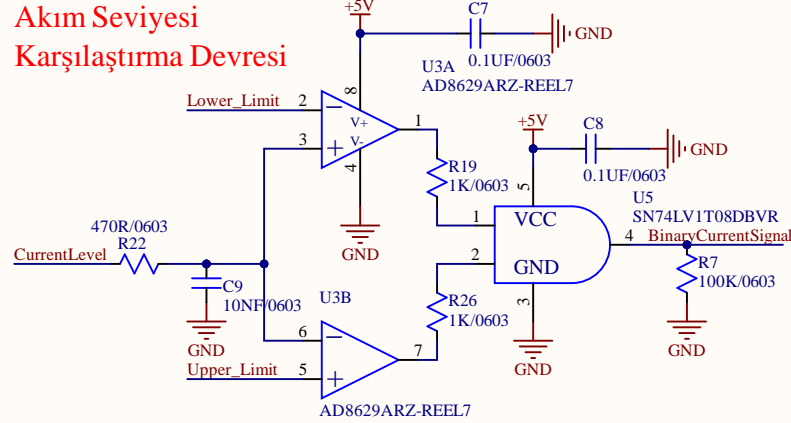
Debouncer Devresi



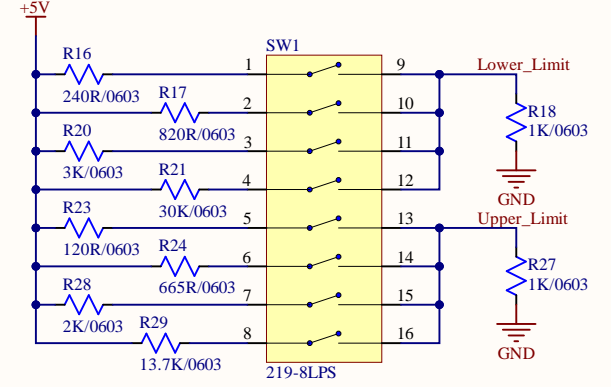
Akım Ölçüm Devresi



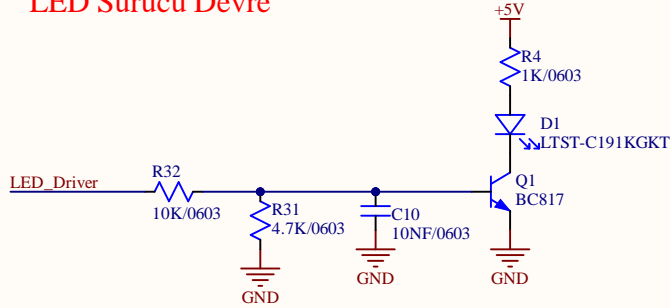
Akım Seviyesi Karşılaştırma Devresi



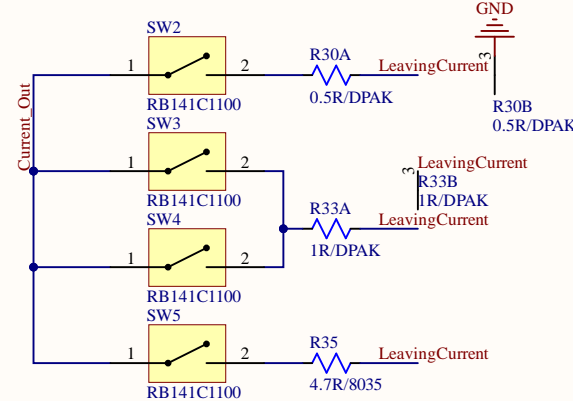
Akım Limitleri Switch



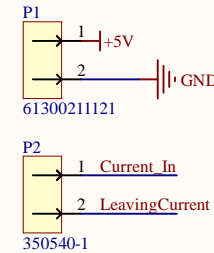
LED Sürücü Devre



Patlatma Akımı Switchleri



Dış Dünya Konektörleri



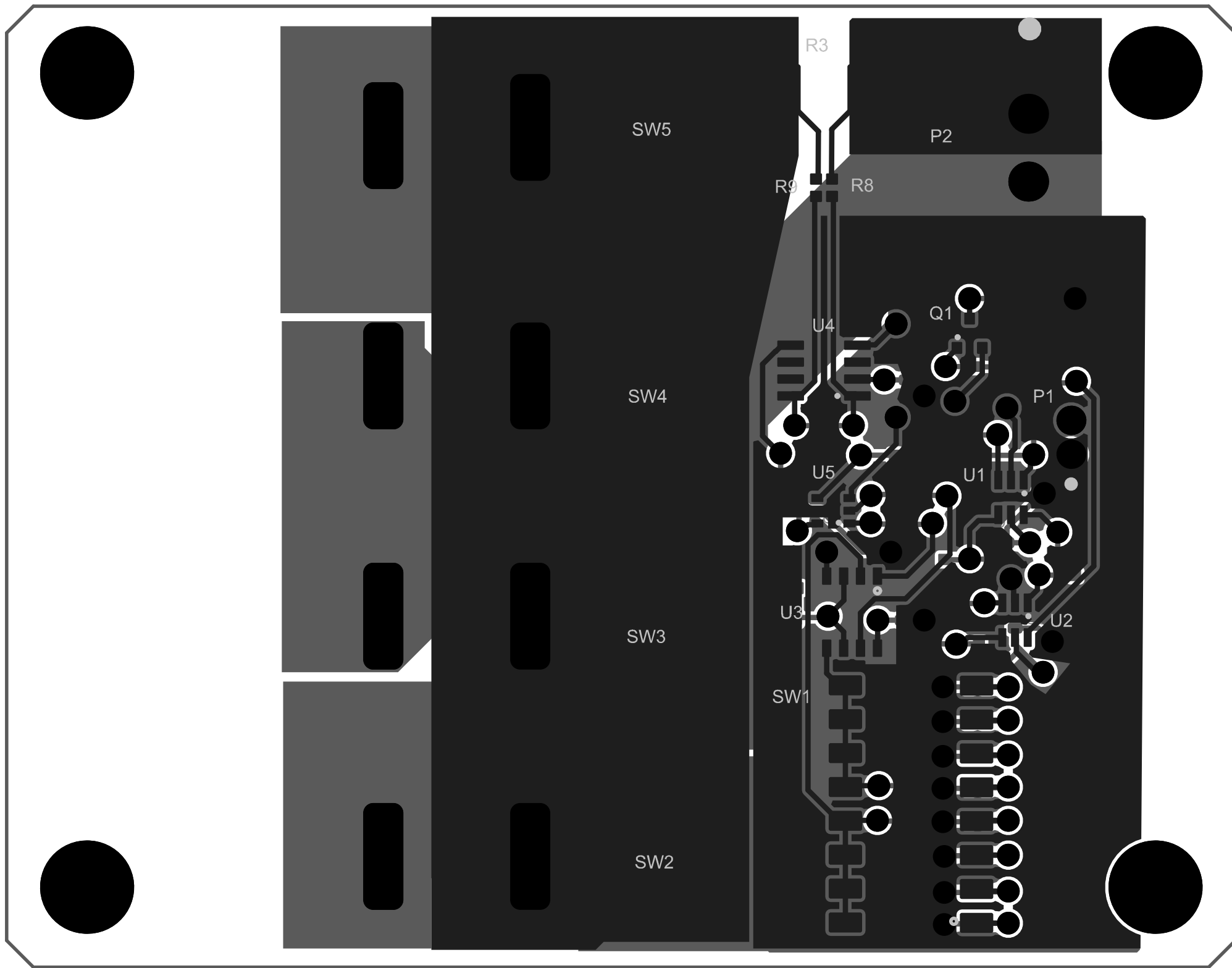
SETUP 1:
0.5OHM
10.15A-11.03A

SETUP 2:
1OHM
6.83A-7.53A

SETUP 3:
1OHM
3.06A-4.21A

SETUP 4:
4.7OHM
373mA-868mA

| Title | | |
|-------|----------------------------|-----------|
| Size | Number | Revision |
| A4 | | |
| Date: | 6.30.2025 | Sheet of |
| File: | C:\Users\...\Sheet1.SchDoc | Drawn By: |



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|-------------------------|---|-------------------------------|---------------------------|-------------------------|----------|
| 10NF/0603 | CAP CER 10000PF 50V X7R 0603 | C1, C4, C5, C6, C9, C10 | CAP 0603 | CC0603KPX7R9BB103 | 6 |
| 0.1UF/0603 | CAP CER 0.1UF 50V X7R 0603 | C2, C3, C7, C8, C11 | CAP 0603 | CC0603KPX7R9BB104 | 5 |
| LTST-C191KGKT | LED GREEN CLEAR SMD | D1 | LTST-C191KGKT | LTST-C191KGKT | 1 |
| 61300211121 | CONN HEADER VERT 2POS 2.54MM 3A | P1 | 61300211121 | 61300211121 | 1 |
| 350540-1 | CONN HEADER VERT 2POS 5.08MM 12A | P2 | 350540-1 | 350540-1 | 1 |
| BC817 | TRANS NPN 45V 0.5A TO236AB | Q1 | BC817-40,215 | BC817-40,215 | 1 |
| 100K/0603 | RES SMD 100 KOHM 1% 1/16W 0603 | R1, R2, R7, R25 | RES0603 | RC0603FR-07100KL | 4 |
| 0.02R/2512 | RES POWER 0.02 OHM 1% 3W CURR SENSE 2512 | R3 | RES2512 | CRA2512-FZ-R020ELF | 1 |
| 1K/0603 | RES SMD 1K OHM 0.1% 1/10W 0603 | R4, R6, R18, R19, R26, R27 | RES0603 | RT0603BRD131KL | 6 |
| 470R/0603 | RES SMD 470 OHM 5% 1/10W 0603 | R5, R22 | RES0603 | RC0603JR-07470RL | 2 |
| 10R/0603 | RES SMD 10 OHM 0.1% 1/10W 0603 | R8, R9 | RES0603 | RT0603BRD0710RL | 2 |
| 1M/0603 | RES SMD 1M OHM 1% 1/10W 0603 | R10, R11 | RES0603 | ERJ-3EKF1004V | 2 |
| 147K/0603 | RES SMD 147K OHM 1% 1/16W 0603 | R12 | RES0603 | RC0603FR-07147KL | 1 |
| 510K/0603 | RES SMD 510K OHM 1% 1/10W 0603 | R13 | RES0603 | RC0603FR-07510KL | 1 |
| 340K/0603 | RES SMD 340K OHM 1% 1/10W 0603 | R14 | RES0603 | RC0603FR-07340KL | 1 |
| 681K/0603 | RES 681K OHM 1% 1/10W 0603 | R15 | RES0603 | RMCF0603FT681K | 1 |
| 240R/0603 | RES SMD 240 OHM 1% 1/10W 0603 | R16 | RES0603 | RC0603FR-07240RL | 1 |
| 820R/0603 | RES SMD 820 OHM 1% 1/10W 0603 | R17 | RES0603 | RC0603FR-07820RL | 1 |
| 3K/0603 | RES SMD 3K OHM 5% 1/3W 0603 | R20 | RES0603 | ERJ-PA3J302V | 1 |
| 30K/0603 | RES SMD 30K OHM 1% 1/10W 0603 | R21 | RES0603 | RC0603FR-1330KL | 1 |
| 120R/0603 | RES SMD 120 OHM 0.1% 1/10W 0603 | R23 | RES0603 | ERA-3AEB121V | 1 |
| 665R/0603 | RES SMD 665 OHM 1% 1/10W 0603 | R24 | RES0603 | RC0603FR-07665RL | 1 |
| 2K/0603 | RES SMD 2K OHM 0.1% 1/10W 0603 | R28 | RES0603 | ERA-3AEB202V | 1 |
| 13.7K/0603 | RES 13.7K OHM 1% 1/10W 0603 | R29 | RES0603 | RMCF0603FT13K7 | 1 |
| 0.5R/DPAK | RES POWER 0.5 OHM 25W 1% Non- Standart DPAK | R30 | PWR163S-25-R500FE | PWR163S-25-R500FE | 1 |
| 4.7K/0603 | RES SMD 4.7K OHM 5% 1/16W 0603 | R31 | RES0603 | RC0603JR-074K7L | 1 |
| 10K/0603 | RES SMD 10K OHM 0.1% 1/10W 0603 | R32 | RES0603 | RT0603BRD0710KL | 1 |
| 1R/DPAK | RES POWER 1 OHM 25W 1% Non- Standart DPAK | R33 | PWR163S-25-1R00FE | PWR163S-25-1R00FE | 1 |
| 4.7R/8035 | RES POWER 4.7 OHM 4W 5% 8035 J-Lead | R35 | SM8035JT4R70 | SM8035JT4R70 | 1 |
| 219-8LPS | SWITCH 100mA, 20 VDC, DIP 8 SPST IC | SW1 | 219-8LPS | 219-8LPS | 1 |
| RB141C1100 | SWITCH ROCKER SPST 15A 125V | SW2, SW3, SW4, SW5 | RB141C1100 | RB141C1100 | 4 |
| LTC6994IS6- 2#TRMPBF | | U1 | LTC6994IS6- 2#TRMPBF_1 | LTC6994IS6- 2#TRMPBF | 1 |
| LTC6993HS6- 1#TRMPBF | | U2 | LTC6993HS6- 1#TRMPBF | LTC6993HS6- 1#TRMPBF | 1 |
| AD8629ARZ-REEL7 | IC OPAMP ZERO- DRIFT 2 CIRCUIT 8SOIC | U3 | AD8629ARZ_REEL7 | AD8629ARZ-REEL7 | 1 |
| MAX4080TASA+T | | U4 | MAX4080TASA+T | MAX4080TASA+T | 1 |
| SN74LV1T08DBVR | 1CH 2INP AND-Gate 5V | U5 | SN74LV1T08DBVR | SN74LV1T08DBVR | 1 |