

STEVAL-ISA038V1 - ST5A demo board - bill of material

| Qty | Reference | Description | Package |
|--------------------------|-------------|--|--------------|
| Capacitors | | | |
| 2 | C12, C51 | MLCC, 10 μ F, 16V, X5R | SMD1206 |
| 1 | C10 | MLCC, 100nF, 16V, X7R | SMD0603 |
| 2 | C14, C38 | MLCC, 1 μ F, 16V, X7R | SMD0805 |
| 1 | C39 | MLCC, 22 μ F, 6.3V, X5R | SMD1206 |
| 1 | C30 | 330 μ F, 6.3V, 6TPF330M9L | SMD7434 |
| 2 | C23, C36 | MLCC, 6.8nF, X7R | SMD0603 |
| 1 | C24 | MLCC, 68nF, X7R | |
| 1 | C35 | MLCC, 220pF, X7R | |
| Resistors | | | |
| 3 | R1, R2, R17 | Resistor, 3R3, 1/16W, 1% | SMD0603 |
| 3 | R3, R5, R16 | Resistor, 0R, 1/8W, 1% | SMD0805 |
| 1 | R4 | Resistor, 1R8, 1/8W, 1% | |
| 1 | R14 | Resistor, 15R, 1/8W, 1% | |
| 2 | R6, R9 | Resistor, 2K2, 1/16W, 1% | SMD0603 |
| 2 | R8, R13 | Resistor, 3K9, 1/16W, 1% | |
| 1 | R7 | Resistor, 18K, 1/16W, 1% | |
| 1 | R19 | Resistor, 22K, 1/16W, 1% | |
| 1 | R18 | Resistor, 20K, 1/16W, 1% | |
| Inductor | | | |
| 1 | L1 | Inductor, 2,20 μ H, WURTH 744324220LF | na |
| Active Components | | | |
| 1 | D1 | Diode, BAT54 | SOT23 |
| 1 | Q5 | STS9D8NH3LL | SO8 |
| 1 | U1 | Controller, L6728 | DFN10, 3x3mm |