

STEVAL-ISA081V1 bill of materials

| Index | Quantity | Ref. | Value / generic part number | Package / class | Manufacturer |
|-------|----------|---------|------------------------------|-------------------|---------------------|
| 1 | 1 | R1 | 5.1 Ω / 2 W | Wire wound | |
| | or | | 4.7 Ω / 2 W | Wire wound | |
| 2 | 2 | R2, R3 | 51 k Ω /5%/ 0.25 W | 1206 | |
| 3 | 1 | R4 | 3.9 Ω / 5% / 0.1 W | 0805 | |
| 4 | 1 | R5 | 150 k Ω /1% / 0.1 W | 0805 | |
| 5 | 1 | R6 | 43 k Ω / 1% / 0.1 W | 0805 | |
| 6 | 0 | R7 | Not assembled | | |
| 7 | 1 | R8 | 10 k Ω / 5% / 0.1 W | 0805 | |
| 8 | 0 | R9 | Not assembled | | |
| 9 | 1 | C1 | 100 nF / 305 VAC / X2 | 18 x 5 x 11 RM 15 | EPCOS |
| 10 | 1 | C2 | 10 μ F / 450 V | D12.5 x 20 RM 5 | |
| 11 | 1 | C3 | 470 pF / 200 V | 1206 | |
| 12 | 1 | C4 | 10 μ F / 35 V / 105 °C | D5 x 11 RM 2 | |
| 13 | 1 | C5 | 2.2 nF / 50 V | 0805 | |
| 14 | 1 | C6 | 1 nF / 50 V | 0805 | |
| 15 | 2 | C7, C10 | 100 nF / 50 V | 0805 | |
| 16 | 1 | C8 | 470 μ F / 35 V / low ESR | D10 x 20 RM 5 | |
| 17 | 1 | C9 | 330 nF / 50 V | 0805 | |
| 18 | 0 | C11 | Not assembled | | |
| 19 | 1 | C12 | 1 nF / 250 VAC / 4 kV / Y1 | RM 12 | |
| 20 | 0 | C13 | Not assembled | | |
| 21 | 1 | C13A | 22 μ F / 450 V | D16 x 20 RM 5 | |
| 22 | 1 | L1 | CMC 2 x 10 mH | UU9.8, RM 8 x 7 | EPCOS |
| 23 | 1 | T1 | EF20 - 1.41 mH | EF20 | WÜRTH ELEKTRONIK |
| 24 | 0 | DB1 | Not assembled | | |
| 25 | 1 | DB1A | 1 A / 800 V / bridge | SO-DIL | |
| 26 | 1 | D1 | STTH1R06A | SMA | STMicroelectronics™ |
| 27 | 1 | D2 | 1N4148 | MINIMELF / SOD80 | |
| 28 | 0 | D3 | Not assembled | | |
| 29 | 1 | D3A | STPS2H100U | SMB | STMicroelectronics |
| 30 | 1 | IC1 | VIPER26LN | SO16N | STMicroelectronics |

Bill of materials (continued)

| Index | Quantity | Ref. | Value / generic part number | Package / class | Manufacturer |
|--------------|-----------------|-------------|------------------------------------|------------------------|---------------------|
| 31 | 1 | IC2 | L78L33AC | SO8N | STMicroelectronics |
| 32 | 1 | J1 | Screw terminal 2 pos. | RM 5 mm | |
| 33 | 1 | J2 | Screw terminal 3 pos. | RM 5 mm | |