



Bill of Materials for the LB11685AVGEVB Evaluation Board

| Designator | Quantity | Description | Value | Tolerance | Footprint | Manufacturer | Manufacturer Part Number | Substitution Allowed | Lead Free |
|-----------------|----------|--|----------------------|-----------|---------------------|------------------|--------------------------|----------------------|-----------|
| IC1 | 1 | Motor Driver | - | - | SSOP24J (275mil) | ON Semiconductor | LB11685AV | No | Yes |
| C1, C2 | 2 | C1, C2 capacitor | 0.01 μ F 50V | \pm 5% | 2012 | MURATA | GRM2192C1H103JA0 | Yes | Yes |
| C3 | 1 | CX capacitor | 0.015 μ F 50V | \pm 5% | 2012 | MURATA | GRM2192C1H153JA0 | Yes | Yes |
| C4, C6, C7 | 3 | FC1, VCO, VOH capacitor | 1 μ F 10V | \pm 10% | 1608 | MURATA | GRM188R71A105KA6 | Yes | Yes |
| C5, C8, C10-C13 | 6 | REG capacitor, Motor noise reduction cap | 0.1 μ F 25V | \pm 10% | 1608 | MURATA | GRM188R11E104KA0 | Yes | Yes |
| C9 | 1 | VCC Bypass capacitor | 10 μ F 50V | - | Through Hole | SUN Electronic | 50ME10HC | Yes | Yes |
| R1 | 1 | RF resistor | 0.47 Ω , 0.5W | \pm 1% | 3225 | ROHM | MCR25JZHFLR470 | Yes | Yes |
| R36 | 1 | FG protection resistor | 100 Ω , 0.1W | \pm 5% | 1608 | KOA | RK73B1JT101J | Yes | Yes |
| TP1, TP2 | 9 | Test points | - | - | - | MAC8 | ST-1-3 | Yes | Yes |