



# Bill of Materials for the LB1843VGEVB Evaluation Board

| Designator | Quantity | Description                       | Value     | Tolerance | Footprint       | Manufacturer              | Manufacturer Part Number | Substitution Allowed | Lead Free |
|------------|----------|-----------------------------------|-----------|-----------|-----------------|---------------------------|--------------------------|----------------------|-----------|
| IC1        | 1        | Motor Driver                      | -         | -         | SSOP20 (225mil) | ON Semiconductor          | LB1843V                  | No                   | Yes       |
| C1         | 1        | VCC Bypass Capasitor              | 10uF50V   | 20%       | Through Hole    | SUN Electronic Industries | 50ME10HC                 | Yes                  | Yes       |
| C2         | 1        | Output Noise Reject Capacitor     | 0.01μF50V | 5%        | 0805            | Murata                    | GRM2192C1H103JA01D       | Yes                  | Yes       |
| R1         | 1        | Output current detective Resistor | 1.0Ω1/4W  | 1%        | 0805            | ROHM                      | MCR10EZHFL1R00           | Yes                  | Yes       |
| SW1-SW3    | 3        | Switch                            | -         | -         | 6mm x 9mm       | MIYAMA Electric           | MS-621C-A01              | Yes                  | Yes       |
| TP1-TP13   | 13       | Test points                       | -         | -         | 2.54 Pitch      | MAC8                      | ST-1-3                   | Yes                  | Yes       |