



Bill of Materials for the NCV70517R1DAGEVB Evaluation Board

| Designator | Quantity | Description | Value | Tolerance | Footprint | Manufacturer | Manufacturer Part Number | Substitution Allowed | Lead Free |
|-------------|----------|----------------------------|-----------------|-----------|-----------------|------------------|--------------------------|----------------------|-----------|
| C1 | 1 | Electrolytic Capacitor SMD | 47µF, 50V | 20% | 6.3×7.7mm | NICHICON | UUD1H470MCL1GS | YES | YES |
| C2,C3,C4 | 3 | Ceramic Capacitor SMD | 100nF, 50V, X7R | 10% | CAP0603 | KEMET | C0603C104K5RAC | YES | YES |
| C5,C6,C7,C8 | 4 | Ceramic Capacitor SMD | 1nF, 50V, X7R | 10% | CAP0603 | EPCOS | B37931K5102K60 | YES | YES |
| CON1 | 1 | Connector | 14WAY/2x7/Plug | | 14WAY/2x7/2.0mm | HARWIN | M80-8541442 | YES | YES |
| CON2 | 1 | Connector | 12WAY/2x6/Plug | | 12WAY/2x6/2.0mm | HARWIN | M80-8541242 | YES | YES |
| U1 | 1 | SPI Stepper Motor Driver | NCV70517 | | QFN32 5x5 0.5mm | ON SEMICONDUCTOR | NCV70517MW002R2G | NO | YES |