



Bill of Materials for the AM30522R1DBGVB Evaluation Board

| Designator | Quantity | Description | Value | Tolerance | Footprint | Manufacturer | Manufacturer Part Number | Substitution Allowed | Lead Free |
|------------|----------|----------------------------------|--------------------|-----------|---------------|------------------|--------------------------|----------------------|-----------|
| CON1 | 1 | DIL PC plug (7+7) | - | - | - | HARWIN | M80-8541442 | Yes | Yes |
| CON2 | 1 | DIL PC plug (6+6) | - | - | - | HARWIN | M80-8541242 | Yes | Yes |
| C1 | 1 | Aluminium Electrolytic Capacitor | 100 μ F, 50 V | 20% | 8.3mm x 8.3mm | NICHICON | UUD1H101MNL1GS | Yes | Yes |
| C2, C3 | 2 | Ceramic Capacitor | 100 nF, 50 V | 20% | 0603 | YAGEO | CC0603MRY5V9BB104 | Yes | Yes |
| C4 | 1 | Ceramic Capacitor | 0.22 μ F, 10 V | 10% | 0402 | YAGEO | CC0402KRX5R6BB224 | Yes | Yes |
| C6, C7 | 2 | Ceramic Capacitor | 220 nF, 16 V | 20% | 0603 | YAGEO | CC0603MRY5V7BB224 | Yes | Yes |
| R1 | 1 | Not Populated | - | - | - | - | - | - | - |
| R2 | 1 | Resistor | 100 Ω | 1% | 0603 | YAGEO | RC0603FR-07100RL | Yes | Yes |
| IC1 | 1 | AMIS-30522 | - | - | NQFP32 | ON Semiconductor | AMIS30522C5222G | No | Yes |