

Table A-1 Hillstar - MGC3130 Unit bill of material

| Qty. | Description | Name |
|------|--|-------------------------------------|
| 1 | Connector, 2mm socket 7pin, SMD | BU1 |
| 1 | Connector, 2mm header 6pin, SMD | ST1 |
| 1 | Capacitor, 100nF, 10%, X7R, SMD 0402 | C1 |
| 2 | Capacitor, 4.7 μ F, 20%, X5R, 6.3V, SMD 0402 | C2, C3 |
| 1 | LED, 571nm green clear, 0603 SMD | D2 |
| 1 | IC, MGC3130 3D Tracking and Gesture Controller, 28 Pin QFN | IC1 |
| 2 | Resistor, 1.8k Ω , 1%, 1/16W, SMD 0402 | R1, R2 |
| 8 | Resistor, 10k Ω , 1%, 1/16W, SMD 0603 | R4, R6, R7, R11, R12, R13, R14, R15 |
| 1 | Resistor, 0 Ω , 1%, 1/16W, SMD 0402 | R16 |
| 1 | Resistor, 10k Ω , 1%, 1/16W, SMD 0402 | R17 |
| 1 | Resistor, 1k Ω , 1%, 1/16W, SMD 0402 | R18 |