**Components Manufacturer Part No Price (£) Number Company**

High Speed Infrared Emitting Diode TSFF5210-CS12 0.47 1 VISHAY

Silicon PIN Photodiode BPV10NF 0.64 1 VISHAY

Low voltage fast-switching NPN power transistors 2STX1360 0.124 4 STMICROELECTRONICS

Rail-to-Rail Op Amp MCP6284-E/P 1.35 1 MICROCHIP

Components expected to buy:

Resistor (430ohm) 0.008 1

Resistor (820ohm) 0.008 1

Resistor (1.5kohm) 0.008 5

Resistor (120kohm) 0.019 1

Resistor (750kohm) 0.025 1

Resistor (1.2Mohm) 0.01 1

Resistor (1.5Mohm) 0.01 5

Resistor (1.8Mohm) 0.012 1

Resistor (4.3Mohm) 0.046 1

Resistors (unknown) 2

Capacitor (1UF) 0.065 2

Capacitors (unknown) 2

BC548 (2N5089G) 0.151 1