MSN-MAYEZ-YARAN Microcontroller		
Spitch Plane PEI Mount Antenna. Line		
Som Wolfen Red TTL Laser		
Sam Welfame Red TTL Laser		
## ATTEST VOLTage Boost Converter ## ATTEST VOLTAGE BOOST CONTAGE BOOST CONTAG	or-16x60mm-p-276.html	
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2.76 kHz Cysal Occillator Like On Inc. Lich O	1825058-9-ND/1021551	
Indicator LED	1020000 7 112/1021001	
Surfice Moderal As Naturey Holder Manufacture Manuf		
Friendly Interrogation September Care Components September	TR-ND/3029218	
130 Resistor		
33B.Resistor	7	
1900 Resistor		
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Lizza Resistor		
Gold Resistor		
A, Ta Capacitor		
2 p Capacitor S. 10.10 2 4 93.00 Can get parts from EXE Shop, cost calculated based on new components		
System		
System Part Description Manufacture MFG Part # Distributor Cost/Unit System Redundancy Cost/Unit System Redundancy Cost/Unit		
System		
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MSP430F2274IDAR Microcontroller Texas Instruments MSP430F2274IDAR Digis Key Electronics S12.16 1 0 11.2		
MSP430F2274IDAR Microcontroller Texas Instruments MSP430F2274IDAR Digis Key Electronics S12.16 1 0 11.2		
KH3 315 MHz R.F. Transmitter/Encoder Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx ANT-315-8P1 Digi-Key Electronics Splatch Planar PCB Mount Antenna Linx		
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AT1217 Voltage Boost Converter MAX680 +SV to 1:0V Voltage Converter MAX680 +SV to 1:0V Voltage Converter MAX680 +SV to 1:0V Voltage Converter Low Power, Low Noise Op Amp PIN Photodiodes Surface Mount AA Battery Holder Surface Mount AA Battery Holder MPD (Memory Protection Devices) Surface Mount AB Battery Holder MPD (Memory Protection Devices) Surface Mount AB Battery Holder MPD (Memory Protection Devices) Surface Mount AB Battery Holder MPD (Memory Protection Devices) Surface Mount AB Battery Holder MPD (Memory Protection Devices) Surface Mount AB Battery Holder MPD (Memory Protection Devices) Surface Mount AB Battery Holder MPD (Memory Protection Devices) Surface Mount AB Battery Holder MPD (Memory Protection Devices) BK-53-TR Digi-Key Electronics Su.83 2 3.768 kHz Crystal Oscillator Su Resistor	-ND/4772472	
AT1217 Voltage Boost Converter MAX680 + SV to 1/0V Voltage Converter Low Power, Low Noise Op Amp ON Semiconductor Digi-Key Electronics Sp. 55 1 1 51.10 http://www.digikey.com/product-detail/en/AAT1217ICA-3.3-T1/863-1496-1-ND/4246188 MAX680 + SV to 1/0V Voltage Converter Low Power, Low Noise Op Amp PIN Photodiodes TT Electronics/Optek Technology Surface Mount AA Battery Holder Surface Mount AA Battery Holder Sp. 65 k Resistor TES Inc. ECS Inc. ECS Inc. ECS - 3X8 Digi-Key Electronics Sp. 75 Sp.		
MAX680 +5V to ±10V Voltage Converter Low Power, Low Noise Op Amp Protection George Friendly Target Unit So Resistor Friendly Target Unit So Resistor For George Friendly Target System Cost: So Friendly Target Sy		
Low Power, Low Noise Op Amp Pin Photodiodes Tr Electronics/Optek Technology MC33178FG MC3178PG MC33178FG MC33178	2B-ND/948152	
PIN Photodiodes		
Surface Mount AA Battery Holder Surf	22-ND/1636774	
Friendly Target Unit 32.768 kHz Crystal Oscillator		
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1 M Resistor		
1.02 M Resistor		
640 k Resistor		
332 k Resistor - - \$0.05 1 1 \$0.10 Can get parts from ECE Shop, cost calculated based on new components		
75 p Capacitor - - \$0.05 4 10 \$0.70 Can get parts from ECE Shop, cost calculated based on new components 4.7 u Capacitor - \$0.05 2 5 \$0.35 Can get parts from ECE Shop, cost calculated based on new components 4.7 u Inductor - \$0.05 4 4 \$0.40 Can get parts from ECE Shop, cost calculated based on new components Total Friendly Target System Cost: \$101.19		
4.7 u Capacitor \$0.05 2 5 \$0.35 Can get parts from ECE Shop, cost calculated based on new components 4.7 u Inductor - \$0.05 4 4 \$0.40 Can get parts from ECE Shop, cost calculated based on new components Total Friendly Target System Cost: \$101.19		
4.7 u Inductor - \$0.05 4 4 \$9.00 Can get parts from ECE Shop, cost calculated based on new components Total Friendly Target System Cost: \$101.19		
Total Friendly Target System Cost: \$101.19		
Eric Meyers \$31.25 225 \$17,578.13		
Noah Prince \$31.25 225 \$17,578.13 Subtotal (Parts and Equipment): \$198.34		
Total Labor Cost: \$35,156.25		
Subtotal (Labor): \$35,156.25		
Total Cost and Labors \$25 ASS 70		
Total Cost and Labor: \$35,455.78		