				36-5018DKR-ND				
Test points		https://www.keyelco.com/userAssets/file/M65p55.pd	0 /		4	\$0.42		<u>Test Point</u>
Capacitor	0.1uF	https://calchip.com/wp-content/uploads/2023/09/GM		4713-GMC04X7R104K25NT	3	\$0.22		.1 uF capacitor
Capacitor	10 uF	https://search.murata.co.jp/Ceramy/image/img/A01)	3 -7	GRJ31CR61E106KE11L	1	\$0.41		10 uF capacitor
Capacitor	10000 pF	https://datasheets.kyocera-avx.com/KGM_X7R.pdf	3 -7	KGM21NR71H103KT	1	\$0.10	\$0.10	10000 pF capacitor
Capacitor	2200 pF	https://product.tdk.com/en/system/files/dam/doc/pro	Digikey	C3216C0G2J222J115AA	1	\$0.33	\$0.33	2200 pF capacitor
Capacitor	33 uF	https://product.tdk.com/system/files/dam/doc/product	Digikey	C3216X7S0J336M160AC	1	\$0.87	\$0.87	33 uF capacitor
Capacitor	1 uF	https://calchip.com/wp-content/uploads/2023/09/GN	Digikey	4713-GMC04X5R105K50NT	1	\$0.08	\$0.08	1 uF capacitor
Diode	40V 2A	https://www.diodes.com/assets/Datasheets/B220_A	Digikey	B240-13-F	1	\$0.32	\$0.32	40V 2A diode
Diode	1000V 1A	https://www.smc-diodes.com/propdf/S1A-S1M%20N	Digikey	S1M	1	\$0.13	\$0.13	<u>1000V 1A diode</u>
Fuse Holder		https://www.we-online.com/components/products/da	Digikey	732-11376-ND	2	\$0.61	\$1.22	<u>Fuse Holder</u>
use	1 A	https://www.littelfuse.com/assetdocs/littelfuse-fuse-2	Digikey	F4256-ND	2	\$0.38	\$0.76	1 A fuse
Switch	0.05A 12V	https://omronfs.omron.com/en_US/ecb/products/pdf	Digikey	B3U-1000P	2	\$1.00	\$2.00	Switch
Barrel Jack		https://gct.co/files/specs/dcj200-05-spec.pdf	Digikey	2073-DCJ200-05-A-K1-ATR-	1	0.95	0.95	Barrel Jack
Inductor	15 uH 2 A	https://search.murata.co.jp/Ceramy/image/img/P02/	Digikey	490-18463-2-ND	1	\$0.22	\$0.22	10 uH inductor
Resistor	68 ohm	https://www.susumu.co.jp/common/pdf/n_catalog_p	Digikey	HRG3216P-68R0-D-T1	1	\$0.60	\$0.60	68 ohm resistor
Resistor	28K	https://www.yageo.com/upload/media/product/produ	Digikey	RC1206FR-0728KL	1	\$0.10	\$0.10	28 K resistor
Resistor	47K	https://www.yageo.com/upload/media/product/produ	Digikey	RC1206FR-1047KL	1	\$0.10	\$0.10	47K Resistor
Resistor	10K	https://www.yageo.com/upload/media/product/produ	Digikey	311-10KJRDKR-ND	2	\$0.10	\$0.20	10K resistor
Connector Header		https://app.adam-tech.com/products/download/data	Digikey	PH1-13-UA	1	\$0.17	\$0.17	Connector header
Texas Instruments IC REG BUCK 3.3\	3.3V	https://www.ti.com/lit/ds/symlink/tps5403.pdf?HQS=	Digikey	296-34972-6-ND	1	\$1.68	\$1.68	Voltage Regulator
LED		https://www.mouser.com/datasheet/2/423/LSM0805	Digikey	732-4971-2-ND	2	\$0.14	\$0.28	LED
ESP32-S3-WROOM-1		https://www.espressif.com/sites/default/files/docume	Digikey	1965-ESP32-S3-WROOM-1-	1	\$5.49	\$5.49	ESP32
						Total	18.35	

Supplier Part Number

Qty

Unit Prototype cost

Total Prototype cost Vendor Link

Supplier

Reference

2 Way Wifi Communication

Value

Datasheet