LTC4020EUHF#PBF Battery Management 55V Buck-Boc TPS61170DRVR Switching Voltage Regulators 1.2A S ACS712ELCTR-05B-T Board Mount Current Sensors For M Operational Amplifiers - Op Amps A GGRN-1-DC5 General Purpose Relays Heavy-Duty S17272DP-T1-GE3 MOSFET 30V Vds 20V Vgs PowerPA NVD5117PLT4G-VF01 MOSFET PFET DPAK 60V 61A 16MO SBR0560S1Q-7 Schottky Diodes & Rectifiers SBR Di BZX84C6V2LT116 Zener Diodes BZX84C6V2L is Zener Piodes BZX84C6V2L is Zener Diodes Present Purpose, Power, S PA4339-701NLT Common Mode Chokes / Filters CM SRP1245CC-150M Power Inductors - SMD Ind,13.5x12 12062AS00KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31AC3BH01JJ Multilayer Ceramic Capacitors MLC KGM31AC3BH01JJ Multilayer Ceramic Capacitors MLC KGM31BR73H02SU Multilayer Ceramic Capacitors MLC KGM31BR71H102JT Multilayer Ceramic Capacitors MLC KGM31BR71H104JT Multilayer Ceramic Capacitors MLC KGM31BR71H104JT Multilayer Ceramic Capacitors MLC KGM31BR71H224KT Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilay		Manufacturer	Quantity	Cost per Item	Total Cost of Quantity	Subsystem Used
LTC4020EUHF#PBF Sutchage Regulators 1.2.4 S ACS712ELCTR-OSB-T Board Mount Current Sensors For M TLV9361QDCKRQ1 Operational Amplifiers - Op Amps A G6RN-1-DC5 General Purpose Relays Heavy-Duty S17272DP-T1-GE3 MOSFET 30V Vds 20V Vgs PowerPA NVD5117PLT4G-VF01 MOSFET PFET DPAK 60V 61A 16MO SBR056051Q-7 Schottky Diodes & Rectifiers SBR Di BZX84C6V2LT116 Zener Diodes BZX84C6V2L is Zener FRN10BM3STL Diodes - General Purpose, Power, S PA4339,701NLT Common Mode Chokes / Filters CM SRP1245CC-150M Power Inductors - SMD Ind,13.5x12 12062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H01JI Multilayer Ceramic Capacitors MLC KGM31ACG2J103JU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H104JT Multilayer Ceramic Capacitors MLC KGM31BR71H104JT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H225KU Multilayer Ceramic Capacitors MLC KAF31BR71H204KT Multilayer Ceramic Capacitors MLC KAF31BR71H205KU Multilayer Ceramic Capacitors MLC KAF31BR71H204KT Multilayer Ceramic Capacitors MLC KAF31BR71H205KU Multilayer Ceramic Capacitors MLC KAF31BR71H205KU Multilayer Ceramic Capacitors MLC CCC058K0JK66M160AB Multilayer Ceramic Capacitors MLC MULTILAY CERAMIC CAPACITORS AND SUMBAR CCC05575K0JK66M160AB Multilayer Ceramic Capacitors MLC MULTILAY CERAMICAL CAPACITORS AND SUMBAR CCC05575K0JK66M160AB Multilayer Ceramic Capacitors MLC MULTILAY CERAMICAL CAPACITORS	, 9A Low-IQ CC/CV Monolithic Buck-Boost Converter	Analog Devices	1	\$10.04	\$10.04	Charge Controller
TPS61170DRVR Switching Voltage Regulators 1.2A SACS712ELCTR-05B-T Board Mount Current Sensors For N TLV9361QDCKRQ1 Operational Amplifiers - Op Amps A GGRN-1-DC5 General Purpose Relays Heavy-Duty S17272DP-T1-GE3 MOSFET 30V Vds 20V Vgs PowerPA NVD5117PLT4G-VF01 MOSFET PFET DPAK 60V 61A 16MO SBR0560S1Q-7 Schottky Diodes & Rectifiers SBR Di BZK84C6V2LT116 Zener Diodes EXX84C6V2L is Zener Piodes BZX84C6V2LT116 Zener Diodes - General Purpose, Power, S PA4339.701NLT Common Mode Chokes / Filters CM SRP1245CC-150M Power Inductors - SMD Ind,13.5x12 12062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H224KT Multilayer Ceramic Capacitors MLC KGM31BR71H224KT Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC Multilayer Ceramic Capacitors MLC MID Multilay		Analog Devices	1	\$12.51	\$12.51	Charge Controller
ACS712ELCTR-05B-T TLV9361QDCKRQ1 Operational Amplifiers - Op Amps A G6RN-1-DC5 General Purpose Relays Heavy-Duty S17272DP-T1-GE3 MOSFET 30V Vds 20V Vgs PowerPA MOSFET 3DV Vds 20V Vgs PowerPA MOSFET FFT DPAK 60V 61A 16MO SBR056051Q-7 Schottky Diodes & Rectifiers SBR Di SZ84C6V2LT116 Zener Diodes BZX84C6V2L is Zener RFN10BM3STL Diodes - General Purpose, Power, S RP145CC-150M Power Inductors - SMD Ind,13.5x12 Z062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC C1206C683JSGECAUTO7210 Multilayer Ceramic Capacitors MLC KGM31BR71H224KT Multilayer Ceramic Capacitors MLC KGM31BR71H224KT Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC Multilayer Ceramic Capacito	· · · · · · · · · · · · · · · · · · ·	Texas Instruments	1	\$1.94	\$1.94	Charge Controller
TLV9361QDCKRQ1 Operational Amplifiers - Op Amps A G6RN-1-DC5 General Purpose Relays Heavy-Duty S17272DP-T1-GE3 MOSFET 30V Vds 20V Vgs PowerPA NVD5117PLT4G-VF01 MOSFET PFET DPAK 60V 61A 16MO SBR0560S1Q-7 Schottky Diodes & Rectifiers SBR Di BZX84C6V2LT116 Zener Diodes BZX84C6V2L is Zener RFN10BM3STL Diodes - General Purpose, Power, S PA4339.701NLT Common Mode Chokes / Filters CM SRP1245CC-150M Power Inductors - SMD Ind,13.5x12 12062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31TGG2H6811U Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC C1206C683J5GECAUTO7210 Multilayer Ceramic Capacitors MLC KGM31BR71H224KT Multilayer Ceramic Capacitors MLC KGM31BR71H24KT Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KGM31HR71E205KU Multilayer Ceramic Capacitors MLC KGM31HR71E205KU Multilayer Ceramic Capacitors MLC TE1202-E3 Aluminum Electrolytic Capacitors MLC MILTIAY Ceramic Capacitors MLC MILTIAY CERAMIC CAPACITOR ML WSL2512R0140FEA18 Current Sense Resistors - SMD 2wa SFR18EZPF1000 Thick Film Resistors - SMD 2wa SFR18EZPF1000 Thick Film Resistors - SMD 2wa SFR18EZPF1000 Thick Film Resistors - SMD 1206 14K MFR-12FTF52-17K Metal Film Resistors - SMD 1206 Thin Film Resistors - SMD	-	Allegro MicroSystems	1	\$3.70	\$3.70	Charge Controller
GGRN-1-DC5 General Purpose Relays Heavy-Duty SI7272DP-T1-GE3 MOSFET 30V Vds 20V Vgs PowerPA NVD5117PLT4G-VF01 MOSFET PFET DPAK 60V 61A 16M0 SBR0560S1Q-7 Schottky Diodes & Rectifiers SBR Di BZX84C6V2LT116 Zener Diodes BZX84C6V2L is Zener RFN10BM3STL Diodes - General Purpose, Power, S PA4339.701NLT Common Mode Chokes / Filters CM SRP1245CC-150M Power Inductors - SMD Ind,13.5x12 12062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H10JJT Multilayer Ceramic Capacitors MLC KGM31TGG2H681JU Multilayer Ceramic Capacitors MLC KGM31TGG2H681JU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31BR71H223JJ Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H24VT Multilayer Ceramic Capacitors MLC KGM31BR71H204KT Multilayer Ceramic Capacitors MLC KAF31BR71H205KU Multilayer Ceramic Capacitors MLC KAF31BR71H205KU Multilayer Ceramic Capacitors MLC KAF31GR71E25KU Multilayer Ceramic Capacitors MLC KAF31GR71E25KU Multilayer Ceramic Capacitors MLC KAF31GR71E25KU Multilayer Ceramic Capacitors MLC MID	Automotive, single, 40-V 10.6-MHz rail-to-rail output operational amplif	· ·	1	\$1.51	\$1.51	Charge Controller
SI7272DP-T1-GE3 MOSFET 30V Vds 20V Vgs PowerPA NVD5117PLT4G-VF01 MOSFET PFET DPAK 60V 61A 16MO SBR056051Q-7 Schottky Diodes & Rectifiers SBR Di SEX84C6V2LT116 Zener Diodes BZX84C6V2L is Zener RFN10BM3STL Diodes - General Purpose, Power, S PA4339.701NLT Common Mode Chokes / Filters CM SRP1245CC-150M Power Inductors - SMD Ind,13.5x12 12062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31TCG2H681JU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H224KT Multilayer Ceramic Capacitors MLC KGM31BR71H24YT Multilayer Ceramic Capacitors MLC KGM31BR71H24YT Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KGM31HR71E205KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KAF31BR71H204KI Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KAF31BR71H204KI Multilayer Ceramic Capacitors MLC CS216X5R1V156M160AC Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C6C073K60JKE36 Metal Film Resistors - SMD 2wd STR18EZPF1000 Thick Film Resistors - Through Hole C6C73K60JKE36 Metal Film Resistors - Through Hole C6C73K60JKE36 Metal Film Resistors - SMD 1206 14K MFR-12FTF52-17K Metal Film Resistors - SMD 1206 14K MFR-12FTF52-17K Metal Film Resistors - SMD 1206 17K C7C7576K8FKE36 Metal Film Resistors - SMD 1206 Thin	, , , , , , , , , , , , , , , , , , , ,	Omron Electronics	2	\$4.10	\$8.20	Charge Controller
NVD5117PLT4G-VF01 SBR0560S1Q-7 Schottky Diodes & Rectifiers SBR Di BZK84C6V2LT116 Zener Diodes BZX84C6V2L is Zener RFN10BM3STL Diodes - General Purpose, Power, S PA4339.701NLT Common Mode Chokes / Filters CM SRP1245CC-150M Power Inductors - SMD Ind,13.5x12 12062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H104JT Multilayer Ceramic Capacitors MLC KAF31BR71H24YLT Multilayer Ceramic Capacitors MLC KAF31BR71H24YLT Multilayer Ceramic Capacitors MLC KAF31BR71H294KT Multilayer Ceramic Capacitors MLC KAF31BR71H294KT Multilayer Ceramic Capacitors MLC KAF31BR71H205KU Multilayer Ceramic Capacitors MLC KAF31BR71E105KU Multilayer Ceramic Capacitors MLC KAF31BR71E25KU Multilayer Ceramic Capacitors MLC MAF31BR71E25KU Multilayer Ceramic Capacitors MLC Multilayer Cerami	•	Vishay Semiconductors	4	\$1.43	\$5.72	Charge Controller
SBR0560S1Q-7 SCHOTTKY DIODES & RECLIFIERS SBR DI BZX84C6V2LT116 ZERER DIODES BZX84C6V2L is Zener RFN10BM3STL DIODES - General Purpose, Power, S PA4339.701NLT Common Mode Chokes / Filters CM SRP124SCC-150M Power Inductors - SMD Ind,13.5x12 12062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31TCG2H681JU Multilayer Ceramic Capacitors MLC KGM31AR73DIOZKU Multilayer Ceramic Capacitors MLC KGM31BR71H203LU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC MAJ1NR81H334KU Multilayer Ceramic Capacitors MLC MILT MULT MULT MULT MULT MULT MULT MULT MU		onsemi	2	\$1.97	\$3.94	Charge Controller
BZX84C6V2LT116 Zener Diodes BZX84C6V2L is Zener RFN10BM3STL Diodes - General Purpose, Power, S PA4339.701NLT Common Mode Chokes / Filters CM Power Inductors - SMD Ind,13.5x12 12062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H24KT Multilayer Ceramic Capacitors MLC KAF31BR71H24KT Multilayer Ceramic Capacitors MLC KAF31BR71H254KT Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC TE1202-E3 Aluminum Electrolytic Capacitors MLC TE1202-E3 Aluminum Organic Polymer Capacit S70575873001 Aluminum Organic Polymer Capacit S705755874002 Aluminum Organic Polymer Capacit S70575574002 Multilayer Ceramic Capacitors MLC MS12512R0140FEA18 Current Sense Resistors - SMD 2wa's SFR18EZPF1000 Thick Film Resistors - SMD 2wa's SFR18EZPF1000 Thick Film Resistors - SMD 30306 2B CRCW251230K0JNEG Thick Film Resistors - SMD 106 Thin		Diodes Incorporated	5	\$0.38	\$1.90	Charge Controller
RFN10BM3STL Diodes - General Purpose, Power, S PA4339.701NLT Common Mode Chokes / Filters CM SRP1245CC-150M Power Inductors - SMD Ind,13.5x12 12062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31TCG2H6811U Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC Safety Capacitors .25LS 4000PF 300 KAM31GCG2J103JU Multilayer Ceramic Capacitors MLC C1206C683J5GECAUTO7210 Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC C1206C683J5GECAUTO7210 Multilayer Ceramic Capacitors MLC KGM31BR71H204LT Multilayer Ceramic Capacitors MLC KAF31BR71H204KT Multilayer Ceramic Capacitors MLC KAF31BR71H204KT Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC CAF31GR71E225KU Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AC Multilayer Ceramic Capacitors MLC C3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C4216X5R0J686M160AB Multil		ROHM Semiconductor	2	\$0.24	\$0.48	Charge Controller
PA4339.701NLT Common Mode Chokes / Filters CM SRP1245CC-150M Power Inductors - SMD Ind,13.5x12 12062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31TCG2H681JU Multilayer Ceramic Capacitors MLC KGM31TCG2H681JU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31BR71H22JIT Multilayer Ceramic Capacitors MLC KGM31BR71H22JIT Multilayer Ceramic Capacitors MLC KGM31BR71H204JT Multilayer Ceramic Capacitors MLC KGM31BR71H204JT Multilayer Ceramic Capacitors MLC KGM31BR71H204KT Multilayer Ceramic Capacitors MLC KAF31BR71H204KT Multilayer Ceramic Capacitors MLC KGM31BR71H205KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC C3216X5R01686M160AC Multilayer Ceramic Capacitors MLC C3216X5R01686M160AB Multilayer Ceramic Capacitors MLC C3216X5R01686M160A	<u> </u>	ROHM Semiconductor	2	\$1.27	\$2.54	Charge Controller
SRP1245CC-150M Power Inductors - SMD Ind,13.5x12 12062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31TCG2H681JU Multilayer Ceramic Capacitors MLC KGM31TCG2H681JU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC Safety Capacitors .25LS 4000PF 300 KAM31GCG2J103JU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H24JT Multilayer Ceramic Capacitors MLC KAF31BR71H244KT Multilayer Ceramic Capacitors MLC KAF31BR71H24KT Multilayer Ceramic Capacitors MLC KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KAF31BR71E105KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC C3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C4216X5R0J686M160AB Multilayer	•	Pulse Electronics	2	\$1.77	\$3.54	Charge Controller
12062A500KAT2A Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC Multilayer Ceramic Capacitors MLC Multilayer Ceramic Capacitors MLC Multilayer Ceramic Capacitors MLC 30LVD40-R Safety Capacitors .25LS 4000PF 300 KAM31GCG2J103JU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC C1206C683J5GECAUTO7210 Multilayer Ceramic Capacitors MLC KGM31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AC Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC MSL2512R0140FEA18 Current Sense Resistors - SMD 2wat SFR18EZPF1000 Thick Film Resistors - Through Hole R0X7110K Metal Gxide Resistors 7W STD M/O ERA-8AEB1402V Thin Film Resistors - Through Hole R0X7130K Metal Film Resistors - Through Hole R0X7130K Metal Film Resistors - Through Hole R0X7133K Metal Oxide Resistors 9W STD M/O CF5576K8FKE36 Metal Film Resistors - Through Hole R0X7130K Metal Oxide Resistors 9W STD M/O CRCW251240KFKEG Thick Film Resistors - SMD 1206 Thin Film Resistors - SMD 1206		Bourns	2	\$1.96	\$3.92	Charge Controller
KGM31BCG1H101JT Multilayer Ceramic Capacitors MLC KGM31TCG2H681JU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC Safety Capacitors .25LS 4000PF 300 KAM31GCG2J103JU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H104JT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC CAPACITOR MULTILAY CERAMIC CAPACITOR MULTILAY C3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC C3216X5R01686M160AB Multilayer Ceramic Capacitors MLC MULTILAY CERAMIC CAPACITOR MULTILAY C3216X5R01686M160AB Multilayer Ceramic Capacitors MLC C6216X5R01686M160AB Multilayer Ceramic Ca		KYOCERA AVX	2	\$0.41	\$0.82	Charge Controller
KGM31TCG2H681JU Multilayer Ceramic Capacitors MLC KGM31AR73D102KU Multilayer Ceramic Capacitors MLC Safety Capacitors .25L5 4000PF 300 KAM31GCG2J103JU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC C1206C683J5GECAUTO7210 Multilayer Ceramic Capacitors MLC KGM31BR71H104JT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC TE1202-E3 Aluminum Electrolytic Capacitors MLC C3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC C3216X5R1V156M160AB Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C4216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C6216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C6216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C6216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C62		KYOCERA AVX	2	\$0.24	\$0.48	Charge Controller
KGM31AR73D102KU Multilayer Ceramic Capacitors MLC 30LVD40-R Safety Capacitors .25LS 4000PF 300 KAM31GCG2J103JU Multilayer Ceramic Capacitors MLC C1206C683J5GECAUTO7210 Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC KGM31BR71H204JT Multilayer Ceramic Capacitors MLC KGM31BR71H204KT Multilayer Ceramic Capacitors MLC KAF31BR71H204KT Multilayer Ceramic Capacitors MLC KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC C4AF31GR71E225KU Multilayer Ceramic Capacitors MLC C5216X5R1V156M160AC Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C4316X5R0J686M160AB Multilayer Ceramic Capa		KYOCERA AVX	3	\$0.28	\$0.84	Charge Controller
30LVD40-R Safety Capacitors .25LS 4000PF 300 KAM31GCG2J103JU Multilayer Ceramic Capacitors MLC C1206C683J5GECAUTO7210 Multilayer Ceramic Capacitors MLC KGM31BR71H124JT Multilayer Ceramic Capacitors MLC KAF31BR71H124JT Multilayer Ceramic Capacitors MLC KAF31BR71H124KT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KAF31BR71E225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC CAPACIDE CAPACITOR Multilayer Ceramic Capacitors MLC MAF31GR71E225KU Multilayer Ceramic Capacitors MLC Multilayer Ceramic Capacitors MLC Multilayer Ceramic Capacitors MLC C3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC MS2152R0140FEA18 Current Sense Resistors - SMD 2wat SFR18EZPF1000 Thick Film Resistors - SMD MD wat SFR18EZPF1000 Thick Film Resistors - Through Hole R0X7J10K Metal Oxide Resistors - SMD 1206 14k. MFR-12FTF52-17K Metal Film Resistors - SMD 1206 14k. MFR-12FTF52-17K Metal Film Resistors - SMD 1006 RCW251230K0JNEG Thick Film Resistors - SMD 1006 RCW251230K0JNEG Thick Film Resistors - SMD 1006 Thick Film Resistors - SMD 1006 Thick Film Resistors - SMD 1206 Thin Film Film Resistors - SMD 1206 Thin Film Resistor	· · · · · · · · · · · · · · · · · · ·	KYOCERA AVX	2	\$0.71	\$1.42	Charge Controller
KAM31GCG2J103JU Multilayer Ceramic Capacitors MLC KGM31BR71H223JT Multilayer Ceramic Capacitors MLC C1206C683J5GECAUTO7210 Multilayer Ceramic Capacitors MLC KGM31BR71H104JT Multilayer Ceramic Capacitors MLC KGM31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC RAF31GR71E225KU Multilayer Ceramic Capacitors MLC C3216X5R3016 Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C4216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C4216X5R0J686M160AC Multilayer Ceramic Capacitors MLC C4216X6R0J686M160AC Multilayer Ceramic Capacitors MLC C4216X6ABAC Multilayer Ceramic Capacitors	·	Vishay	2	\$1.66	\$3.32	Charge Controller
KGM31BR71H223JT Multilayer Ceramic Capacitors MLC C1206C683J5GECAUTO7210 Multilayer Ceramic Capacitors MLC KGM31BR71H104JT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAF31BR71H2105KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC CAPACITOR Multilayer Ceramic Capacitors MLC CAPACITOR Multilayer Ceramic Capacitors MLC C3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C43216X5R0J686M160AB Multila	.CC - SMD/SMT 630V 10,000pF COG 1206 5% AEC-Q200	KYOCERA AVX	2	\$0.99	\$1.98	Charge Controller
C1206C683J5GECAUTO7210 Multilayer Ceramic Capacitors MLC KGM31BR71H104JT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC CAPACITOR Multilayer Ceramic Capacitors MLC C3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC C3216X5R01686M160AB Multilayer Ceramic Capacitors MLC C4316X5R01686M160AB Multilayer Ceramic Capacitors MLC C4316X5R01646A Multilayer Ceramic		KYOCERA AVX	2	\$0.31	\$0.62	Charge Controller
KGM31BR71H104JT Multilayer Ceramic Capacitors MLC KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KGF31GR71E225KU Multilayer Ceramic Capacitors MLC TE1202-E3 Aluminum Electrolytic Capacitors ALC RAF31GR71E225KU Multilayer Ceramic Capacitors MLC RAF31GR71E225KU Multilayer Ceramic Capacitors MLC R3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC R3216X5R1V156M160AB Multilayer Ceramic Capacitors MLC R370575574002 Aluminum Organic Polymer Capacit RVSL2512R0140FEA18 Current Sense Resistors - SMD 2wai SFR18EZPF1000 Thick Film Resistors - SMD Sulfur To CCF073K60JKE36 Metal Film Resistors - Through Hole ROX7J10K Metal Oxide Resistors 7W STD M/O ERA-8AEB1402V Thin Film Resistors - SMD 1206 14K MFR-12FTF52-17K Metal Film Resistors - Through Hole ROX7J33K Metal Oxide Resistors 7W STD M/O CF5576K8FKE36 Metal Film Resistors - Through Hole ROX7J33K Metal Oxide Resistors 7W STD M/O CF5576K8FKE36 Metal Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1 watt 12 ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 1206 Thin CRCW2512640KJREAT Thick Film Resistors - SMD 2520K Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 1206 Thin CRCW2512640KJREA	·	KEMET	2	\$0.74	\$1.48	Charge Controller
KAF31BR71H224KT Multilayer Ceramic Capacitors MLC KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC TE1202-E3 Aluminum Electrolytic Capacitors MLC R57557873001 Aluminum Organic Polymer Capacit C3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC CAPO73K60JKE36 Metal Film Resistors - SMD Sulfur To CCF073K60JKE36 Metal Film Resistors - SMD 1206 14K. MFR-12FTF52-17K Metal Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 1206 14K. METAL PST - SMD 3503G 2B CRCW251240KFKEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 1206 Thin CRCW251264M0FKEAT Thick Film Resistors - SMD 1206 Thin CRCW251264M0FKEAT Thick Film Resistors - SMD 206 CM CV12062M00FKEAT Thick Film Resistors - SMD 1206 Thin CRCW251264M16C Thin Thin Thin Thin Thin Thin Thin Thin	· · · · · · · · · · · · · · · · · · ·	KYOCERA AVX	5	\$0.30	\$1.50	Charge Controller
KAM31NR81H334KU Multilayer Ceramic Capacitors MLC KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC TE1202-E3 Aluminum Electrolytic Capacitors - Aluminum Electrolytic Capacitors - Aluminum Organic Polymer Capacit C3216X5R373001 Aluminum Organic Polymer Capacit C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C370575574002 Aluminum Organic Polymer Capacit WSL2512R0140FEA18 Current Sense Resistors - SMD 2wai FR18EZPF1000 Thick Film Resistors - SMD Sulfur To CCF073K60JKE36 Metal Film Resistors - Through Hole ROX7J10K Metal Oxide Resistors 7W STD M/O ERA-8AEB1402V Thin Film Resistors - SMD 1206 14K MFR-12FTF52-17K Metal Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - Through Hole ROX7J33K Metal Oxide Resistors 7W STD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin Film Resistors - SMD 1	.CC - SMD/SMT 50V .1ur X7K 1200 5% .CC - SMD/SMT 50V .22uF X7R 1206 10% AEC-Q200 FLEXITERM	KYOCERA AVX	3	\$0.44	\$1.32	Charge Controller
KGM31HR71E105KU Multilayer Ceramic Capacitors MLC KAF31GR71E225KU Multilayer Ceramic Capacitors MLC RE1202-E3 Aluminum Electrolytic Capacitors MLC ROS216X5R31V156M160AC Multilayer Ceramic Capacitors MLC ROS216X5R0J686M160AB Multilayer Ceramic Capacitors MLC ROS216X5R0J6FEA18 Current Sense Resistors - SMD 2war RFH8EZPF1000 Thick Film Resistors - SMD Sulfar ROX7J10K Metal Film Resistors - Through Hole ROX7J10K Metal Film Resistors - SMD 1206 14K RFR-12FTF52-17K Metal Film Resistors - Through Hole ROX306ZB20KFTDF Thin Film Resistors - SMD 13003 C2 RCCW251230K0JNEG Thick Film Resistors - WSTD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin RCCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin RCCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin RCCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin RCCW25121620KJNEG Thick Film Resistors - SMD 1206 Thin RCCW25121620KJNEG Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH RFM95W LORA RADIO TRANSCEIVE IPXSM666AL (I-PEX P/N 2027: I-PEX (MHF1) SMD RECEPTACLE	•	KYOCERA AVX	2	\$0.44	\$0.80	Charge Controller
KAF31GR71E225KU Multilayer Ceramic Capacitors MLC TE1202-E3 Aluminum Electrolytic Capacitors - MLC R7575873001 Aluminum Organic Polymer Capacit C3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC R7575873002 Aluminum Organic Polymer Capacit R70575574002 Aluminum Organic Polymer Capacit R7057106 Metal Film Resistors - SMD Sulfur Tolo R7057106 Metal Film Resistors - SMD Sulfur Tolo R7057106 Metal Film Resistors - Through Hole R7057107 Metal Film Resistors - SMD 1206 14K R7057107 Metal Film Resistors - SMD 1206 14K R7057107 Metal Film Resistors - SMD 1206 14K R7057137 Metal Oxide Resistors - SMD 1206 14K R7057137 Metal Oxide Resistors Through Hole R70576768576856 Metal Film Resistors - SMD 1206 Thin R7057107 Metal Oxide Resistors SMD 1206 Thin R7057107 Metal Oxide Resistors - SMD 1206 Thin R7057107 Metal Oxide Resistor	·	KYOCERA AVX	3	\$0.33	\$0.99	Charge Controller
TE1202-E3 Aluminum Electrolytic Capacitors - / 870575873001 Aluminum Organic Polymer Capacit C3216X5R1V156M160AC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC R070575574002 Aluminum Organic Polymer Capacit WSL2512R0140FEA18 Current Sense Resistors - SMD 2wait SFR18EZPF1000 Thick Film Resistors - SMD Sulfur To CCF073K60JKE36 R0X7J10K Metal Film Resistors - Through Hole R0X7J10K RA-ABE1402V Thin Film Resistors - SMD 1206 Have Mera-12FTF52-17K Metal Film Resistors - SMD 1206 Have S303G2B20KFTDF Thin Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 3503G 2B R0X7J33K Metal Oxide Resistors 7W STD M/O Metal Oxide Resistors 7W STD M/O Metal Oxide Resistors - Through Hole R0X9J100K Metal Oxide Resistors - Through Hole R0X9J100K Metal Oxide Resistors - SMD 1206 Thin Film Resistors - SMD 1 Aut 12 CRCW2512140KFKEG Thick Film Resistors - SMD 1006 Thin Film Resistors - SMD 1 Watt 12 CRCW2512620KJNEG Thick Film Resistors - SMD 1206 Thin Film Resistors - SMD 200 Thin Film Resistors - SMD 200 Thin Film Resistors - SMD 1206 Thin Film Resistors - SMD 200 Thin F	·	KYOCERA AVX	2	\$0.42	\$0.84	Charge Controller
870575873001 Aluminum Organic Polymer Capacit C3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC WSL2512R0140FEA18 Current Sense Resistors - SMD 2wai SFR18EZPF1000 Thick Film Resistors - SMD Sulfur To CCF073K60JKE36 Metal Film Resistors - SMD Sulfur To CCF073K60JKE36 Metal Film Resistors - Through Hole ROX7J10K Metal Oxide Resistors 7W STD M/O ERA-8AEB1402V Thin Film Resistors - SMD 1206 14K MFR-12FT52-17K Metal Film Resistors - Through Hole S0303G2B20KFTDF Thin Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 1206 14K ROX7J33K Metal Oxide Resistors 7W STD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 7W STD M/O CFS576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH BOX20 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027! I-PEX (MHF1) SMD RECEPTACLE		Vishay	4	\$4.25	\$17.00	Charge Controller
C3216X5R1V156M160AC Multilayer Ceramic Capacitors MLC C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC R70575574002 Aluminum Organic Polymer Capacit WSL2512R0140FEA18 Current Sense Resistors - SMD 2war SFR18EZPF1000 Thick Film Resistors - SMD Sulfur To CCF073K60JKE36 Metal Film Resistors - Through Hole ROX7J10K Metal Oxide Resistors 7W STD M/O ERA-8AEB1402V Thin Film Resistors - SMD 1206 14K. MFR-12FTF52-17K Metal Film Resistors - SMD 1206 14K. MFR-12FTF52-17K Metal Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 1watt 3C ROX7J33K Metal Oxide Resistors 7W STD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1 watt 12 ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin CRCW25122620KJNEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH BOX2 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027! I-PEX (MHF1) SMD RECEPTACLE		Wurth Elektronik	5	\$1.33	\$6.65	Charge Controller
C3216X5R0J686M160AB Multilayer Ceramic Capacitors MLC 870575574002 Aluminum Organic Polymer Capacit WSL2512R0140FEA18 Current Sense Resistors - SMD 2wai SFR18EZPF1000 Thick Film Resistors - SMD Sulfur To CCF073K60JKE36 Metal Film Resistors - Through Hole ROX7J10K Metal Film Resistors - Through Hole ROX7J10K Metal Film Resistors - SMD 1206 14K MFR-12FTF52-17K Metal Film Resistors - SMD 1206 14K MFR-12FTF52-17K Metal Film Resistors - Through Hole 3503G2B20KFTDF Thin Film Resistors - SMD 3503G 26C RCCW251230K0JNEG Thick Film Resistors - SMD 1303G 27 ROX7J33K Metal Oxide Resistors 7W STD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH PROSENCE TRANSCEIVE TRANSCEIVE PROSENCE TRANSCEIV		TDK	3	\$0.89	\$2.67	Charge Controller
870575574002 Aluminum Organic Polymer Capacit WSL2512R0140FEA18 Current Sense Resistors - SMD 2wai SFR18EZPF1000 Thick Film Resistors - SMD Sulfur To CCF073K60JKE36 Metal Film Resistors - Through Hole ROX7J10K Metal Oxide Resistors 7W STD M/O ERA-8AEB1402V Thin Film Resistors - SMD 1206 14K. MFR-12FTF52-17K Metal Film Resistors - Through Hole 3503G2B20KFTDF Thin Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 1watt 30 ROX7J33K Metal Oxide Resistors 7W STD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 7W STD M/O ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH B3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027! I-PEX (MHF1) SMD RECEPTACLE	·	TDK	2	\$0.78	\$1.56	Charge Controller
WSL2512R0140FEA18 Current Sense Resistors - SMD 2wai SFR18EZPF1000 Thick Film Resistors - SMD Sulfur To CCF073K60JKE36 Metal Film Resistors - Through Hole ROX7J10K Metal Oxide Resistors - Through Hole ROX7J10K Metal Oxide Resistors - Through Hole ROX9J10K Metal Film Resistors - SMD 1206 14K MFR-12FTF52-17K Metal Film Resistors - SMD 3503G 2B 20KFTDF Thin Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 1303G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 1watt 30 ROX7J33K Metal Oxide Resistors 7W STD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O RA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 1 watt 14 ERA-8KEB2703V Thin Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH	citors WCAP-HTG5 25V 150uF 20% THT Radial -55/+105C	Wurth Elektronik	2	\$1.81	\$3.62	Charge Controller
SFR18EZPF1000 Thick Film Resistors - SMD Sulfur To CCF073K60JKE36 Metal Film Resistors - Through Hole ROX7J10K Metal Oxide Resistors 7W STD M/O ERA-8AEB1402V Thin Film Resistors - SMD 1206 14k. MFR-12FTF52-17K Metal Film Resistors - SMD 3503G 2B SG30G2B20KFTDF Thin Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 1watt 3C ROX7J33K Metal Oxide Resistors 7W STD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O CRA-8KEB1203V Thin Film Resistors - SMD 1206 Thin Film Resistors - SMD 1206 Thin Film Resistors - SMD 1 watt 1C RCW2512140KFKEG Thick Film Resistors - SMD 1 watt 1C RCW2512620KJNEG Thick Film Resistors - SMD 1006 Thin Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH	<u> </u>	Vishay / Dale	4	\$1.11	\$4.44	Charge Controller
CCF073K60JKE36 Metal Film Resistors - Through Hole ROX7J10K Metal Oxide Resistors 7W STD M/O ERA-8AEB1402V Thin Film Resistors - SMD 1206 14K. MFR-12FTF52-17K Metal Film Resistors - Through Hole 3503G2B20KFTDF Thin Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 1203G 2B ROX7J33K Metal Oxide Resistors 7W STD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1 Watt 12 ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH B 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM666AL (I-PEX P/N 2027! I-PEX (MHF1) SMD RECEPTACLE		ROHM Semiconductor	3	\$0.26	\$0.78	Charge Controller
ROX7J10K Metal Oxide Resistors 7W STD M/O ERA-8AEB1402V Thin Film Resistors - SMD 1206 14K. MFR-12FTF52-17K Metal Film Resistors - Through Hole 3503G2B20KFTDF Thin Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 1watt 3C ROX7J33K Metal Oxide Resistors 7W STD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 120 Thin Film Resistors - SMD 120 Thin Film Resistors - SMD 1206 Thin CRCW25121620KJNEG Thick Film Resistors - SMD 1206 Thin CRCW25122620KJNEG Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027! I-PEX (MHF1) SMD RECEPTACLE	<u> </u>	Vishay / Dale	2	\$0.30	\$0.60	Charge Controller
ERA-8AEB1402V Thin Film Resistors - SMD 1206 14K: MFR-12FTF52-17K Metal Film Resistors - Through Hole 3503G2B20KFTDF Thin Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 1watt 30 ROX7J33K Metal Oxide Resistors - Through Hole ROX9J100K Metal Oxide Resistors - Through Hole ROX9J100K Metal Oxide Resistors - W STD M/O ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1 watt 14 ERA-8KEB2703V Thin Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027! I-PEX (MHF1) SMD RECEPTACLE		TE Connectivity / Holsworthy		\$1.04	\$7.28	Charge Controller
MFR-12FTF52-17K Metal Film Resistors - Through Hole 3503G2B20KFTDF Thin Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 1watt 3C ROX7J33K Metal Oxide Resistors - Through Hole ROX9J100K Metal Oxide Resistors - W STD M/O ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027: I-PEX (MHF1) SMD RECEPTACLE		Panasonic	2	\$0.59	\$1.18	Charge Controller
3503G2B20KFTDF Thin Film Resistors - SMD 3503G 2B CRCW251230K0JNEG Thick Film Resistors - SMD 1watt 30 ROX7J33K Metal Oxide Resistors 7W STD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027! I-PEX (MHF1) SMD RECEPTACLE		YAGEO	2	\$0.10	\$0.20	Charge Controller
CRCW251230KOJNEG Thick Film Resistors - SMD 1watt 3C ROX7J33K Metal Oxide Resistors 7W STD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O Metal Oxide Resistors 9W STD M/O Thin Film Resistors - SMD 1206 Thin Film Resistors - SMD 1206 Thin Film Resistors - SMD 1 watt 14 ERA-8KEB2703V Thin Film Resistors - SMD 1 watt 14 ERA-8KEB2703V Thin Film Resistors - SMD 1206 Thin FICK Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027! I-PEX (MHF1) SMD RECEPTACLE		TE Connectivity / Holsworthy		\$1.67	\$5.01	Charge Controller
ROX7J33K Metal Oxide Resistors 7W STD M/O CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1 watt 14 ERA-8KEB2703V Thin Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027! I-PEX (MHF1) SMD RECEPTACLE		Vishay / Dale	2	\$0.32	\$0.64	Charge Controller
CCF5576K8FKE36 Metal Film Resistors - Through Hole ROX9J100K Metal Oxide Resistors 9W STD M/O ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1 206 Thin ERA-8KEB2703V Thin Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH BOT2 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027: I-PEX (MHF1) SMD RECEPTACLE		TE Connectivity / Holsworthy		\$1.33	\$3.99	Charge Controller
ROX9J100K Metal Oxide Resistors 9W STD M/O ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1 watt 14 ERA-8KEB2703V Thin Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD 620K OH ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH BSP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH BSP32-MROM-32E 4MB FLASH BSP32-		Vishay / Dale	2	\$0.30	\$0.60	
ERA-8KEB1203V Thin Film Resistors - SMD 1206 Thin CRCW2512140KFKEG Thick Film Resistors - SMD 1 watt 14 ERA-8KEB2703V Thin Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027: I-PEX (MHF1) SMD RECEPTACLE		TE Connectivity / Holsworthy		\$1.30	\$6.50	Charge Controller Charge Controller
CRCW2512140KFKEG Thick Film Resistors - SMD 1 watt 14 ERA-8KEB2703V Thin Film Resistors - SMD 1206 Thin CRCW2512620KINEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027: I-PEX (MHF1) SMD RECEPTACLE				\$0.82	\$1.64	
ERA-8KEB2703V Thin Film Resistors - SMD 1206 Thin CRCW2512620KJNEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027: I-PEX (MHF1) SMD RECEPTACLE		Panasonic	2			Charge Controller
CRCW2512620KJNEG Thick Film Resistors - SMD 620K OH RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH B 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027: I-PEX (MHF1) SMD RECEPTACLE		Vishay / Dale		\$0.34	\$0.68	Charge Controller
RCV12062M00FKEAAT Thick Film Resistors - SMD RCV1206 TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027: I-PEX (MHF1) SMD RECEPTACLE	*	Panasonic Vishay / Dala	2	\$0.82	\$1.64	Charge Controller
TE Connectivity, Buchanan 2.54mm ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027: I-PEX (MHF1) SMD RECEPTACLE		Vishay / Dale	2	\$0.36	\$0.72	Charge Controller
ESP32-DEVKITC-32E ESP32-WROOM-32E 4MB FLASH 3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027: I-PEX (MHF1) SMD RECEPTACLE		Vishay	2	\$0.35	\$0.70	Charge Controller
3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027: I-PEX (MHF1) SMD RECEPTACLE	n Pitch, 2 way PCB Terminal Strip	TE Connectivity	2	\$1.41	\$16.92	Charge Controller
3072 RFM95W LORA RADIO TRANSCEIVE IPXSM66AL (I-PEX P/N 2027: I-PEX (MHF1) SMD RECEPTACLE		Espressif Systems	۷	\$10.00	\$20.00	Data Management
IPXSM66AL (I-PEX P/N 2027! I-PEX (MHF1) SMD RECEPTACLE	/ED DD	Adafruit Industries II C	2	\$19.95	\$39.90	Data Management
, , , , ,	EN DN	Adafruit Industries LLC Lighthorse Technologies, Inc		\$19.95	\$1.50	Data Management
TTY-CSA23 915MHZ LOKA ANTENNA OMNI SODI S	SMA Mala + 4Fars IREV Fistoralian Cable 2 Res	0 ,		•	•	Data Management
		Tenmory	1	\$13.99	\$13.99	Data Management
N/A, Seeed Studio SKU: 110! Long Range Indoor Antenna Kit; 860		Seeed Studio	1	\$14.90	\$14.90	Data Management
, ,	FL to RP-SMA Female Ipex Connector Pigtail Antenna Extension Cable (6	Tenmory	1	\$5.99	\$5.99	Data Management
N/A, Seeed Studio SKU: 113: WM1302 Raspberry Pi Hat WM1302-USB-US915-M WM1302 LoRaWAN Gateway Modu	d., la (UCD) UCD4E	Seeed Studio Seeed Studio	1	\$19.90 \$29.00	\$19.90 \$29.00	Data Management Data Management

SDSQUA4-064G-GN6MA	SanDisk 64GB Ultra microSDHC	SanDisk	1	\$9.81	\$9.81	Data Management
	# Raspberry Pi 4 Model B 2019 (4GB)	Raspberry Pi Foundation	1	\$61.49	\$61.49	Data Management
ASIN: B07TYQRXTK	CanaKit 3.5A Raspberry Pi 4 Power Supply (USB-C)	CanaKit	1	\$9.99	\$9.99	Data Management
ASIN: B00507GV38, Model	# Monoprice 6inch HDMI Micro Connector male to HDMI Connector female - Black	Monoprice	1	\$4.98	\$4.98	Data Management
94-200-060 BK	60 ft. Electrical Tape	Duck Brand	1	\$1.23	\$1.23	Inductive Loop
1265013	20 yd Duck Tape Yellow	Duck Brand	1	\$3.94	\$3.94	Inductive Loop
14 AWG Wire	14 AWG Wire to	N/A	485 ft	\$0.00	0	Inductive Loop
R82DC3220AA60K	CAPACITOR	KEMET	2	\$0.30	\$0.60	Loop Controller
K104K10X7RF53L2	Capacitor	Vishay/BC Components	4	\$0.17	\$0.68	Loop Controller
UVR1H102MHD	Polarized Capacitor	Nichicon	12	\$0.98	\$11.76	Loop Controller
MFR-25FTF52-100K	Resistor	YAGEO	4	\$0.10	\$0.40	Loop Controller
MFR-25FTF52-100R	Resistor	YAGEO	8	\$0.10	\$0.80	Loop Controller
CF14JT220R	Resistor	Stackpole Electronics Inc.	4	\$0.10	\$0.40	Loop Controller
2N3904	NPN Transistor	Diotec Semiconductor	4	\$0.13	\$0.52	Loop Controller
B82731T2301A020	Inductor	EPCOS/TDK	2	\$2.72	\$5.44	Loop Controller
C322C106K3R5TA	Capacitor	KEMET	4	\$0.79	\$3.16	Loop Controller
MFR-25FTE52-33K	Resistor	YAGEO	4	\$0.10	\$0.40	Loop Controller
MFR-25FTF52-10K	Resistor	YAGEO	16	\$0.10	\$1.60	Loop Controller
MFR-25FRF52-3K3	Resistor	YAGEO	4	\$0.10	\$0.40	Loop Controller
MFR-25FTE52-330K	Resistor	YAGEO	4	\$0.10	\$0.40	Loop Controller
LT1720CS8#PBF	Comparator	Analog Devices Inc.	2	\$10.24	\$20.48	Loop Controller
1711026	Phoenix Fixed Terminal Block	Phoenix Contact	2	\$2.02	\$4.04	Loop Controller
1905201	Phoenix Fixed Terminal Block	Phoenix Contact	2	\$4.55	\$9.10	Loop Controller
L78L33ABZ-AP	Linear Voltage Regulator	STMicroelectronics	2	\$0.36	\$0.72	Loop Controller
	PCB Board	JLCPCB	5		\$0.00	Loop Controller
LTC3621IMS8E#PBF	Step down buck regulator : Conv DC-DC 2.7V to 17V Synchronous Step Down Single-Out 0.6V to 17V 1A Au	Analog Devices	3	\$8.12	\$24.36	Power Controller
ERJ-1GNF1963C	Resistor 196k : Thick Film Chip Resistor, 0201, 0.05W	Panasonic	3	\$0.10	\$0.30	Power Controller
ERJ-1GNF2402C	Resistor 24k: PANASONIC ELECTRONIC COMPONENTS - ERJ1GNF2402C - RES, THICK FILM, 24K, 1%, 0.05W	Panasonic	3	\$0.10	\$0.30	Power Controller
ERJ-1GNF1402C	Resistor 14k: PANASONIC - ERJ1GNF1402C - SMD Chip Resistor, 0201 [0603 Metric], 14 kohm, ERJ1GN Ser	i Panasonic	3	\$0.10	\$0.30	Power Controller
XFL3012-153MEC	Inductor 15uH : Power Inductors - SMD 15Uh Shld 1A 483mOhms AECQ2	Coilcraft	2	\$2.08	\$4.16	Power Controller
MSS7348-683MEC	Inductor 68uH : Fixed Inductors 68uH Shld 20% 1.2A 225mOhms	Coilcraft	1	\$2.62	\$2.62	Power Controller
C3216CH2J221J060AA	Capacitor 22pF: MULTILAYER CERAMIC CHIP CAPACITORS, 3216, Commercial grade, general (Up to 75V)	TDK	3	\$0.21	\$0.63	Power Controller
C3216X8R1E105M160AA	Capacitor 1uF: MULTILAYER CERAMIC CHIP CAPACITORS, 3216, Commercial grade, general (Up to 75V)	TDK	3	\$0.42	\$1.26	Power Controller
C3216JB1E106M160AB	Capacitor 10uF : MULTILAYER CERAMIC CHIP CAPACITORS, 3216, Commercial grade, general (Up to 75V)	TDK	3	\$0.56	\$1.68	Power Controller
C3216JB1C226M160AB	Capacitor 22uF : MULTILAYER CERAMIC CHIP CAPACITORS, 3216, Commercial grade, general (Up to 75V)	TDK	3	\$0.64	\$1.92	Power Controller
282834-2	TE Connectivity, Buchanan 2.54mm Pitch, 2 Way PCB Terminal Strip	TE Connectivity	4	\$1.41	\$5.64	Power Controller
NPA30S-12I	Newpowa 9BB 30W 12V Solar Panel High-Efficiency Monocrystalline 12V PV Module Designed for 12V Off	(Newpowa	1	\$44.79	\$44.79	Solar Power
ML12-12	ML12-12F2 - 12 Volt 12 AH F2 Terminal Rechargeable SLA AGM Battery	Mighty Max Battery	2	\$27.99	\$55.98	Solar Power
B01CWYFS4Y	10 Pairs Red Ultra T Plug Connectors Deans Style For RC LiPo Battery Male and Female + (20 Pack) Shrink T		1	\$7.29	\$7.29	Solar Power
B08CZ7Z9TB	Adapter Power Supply"12V 3A Adapter Power Supply AC to DC Plug"	LitStar	1	\$9.99	\$9.99	Wall Power
LTC2C24	Step down "Buck Converter"	Analog		ć0.42		M-II D
LTC3621		Devices	2	\$8.12	\$16.24	Wall Power
EXP1218	Battery: xpert Power Sealed Lead Acid Batteries	ExpertPower	1	\$34.40	\$34.40	Wall Power
G6RN-1-DC5	Switch: General Purpose Relays Heavy-Duty SPDT 5VDC	Omron Electronics	1	\$4.10	\$4.10	Wall Power
XFL3012-153MEC	Inductor 15uH Power Inductors SMD 15Uh Shid 1A 483mOhms AECQ2	Coilcraft	1	\$2.08	\$2.08	Wall Power
MSS7348-683MEC	Inductor 150H Power Inductors SMD 150H Shid 1A 485HOHINS AECQ2 Inductor 68uH :Power Inductors SMD 68uH Shid 20% 1.2A 225mOhms	Coilcraft	1	\$2.62	\$2.62	Wall Power
CRGH2512J82K	resistor 82k: Thick Film Resistors - SMD CRGH2512 5% 82K 2W	pansonic	1	\$0.65	\$0.65	Wall Power
CRGH2512J82K	resistor 10k:Thick Film Resistors - SMD CRG0603 5% 10K	•	1	\$0.65	\$0.65	Wall Power
ERJ-P08F9532V	resistor 10K:1 nick Film Resistors - SMD CRG0603 5% 10K resistor 95.3k:Thick Film Resistors SMD 0201 95.3Kohm 1% HalogenFree AEC-Q2000.66W 1% AEC-Q200	pansonic pansonic	1	\$0.85	\$0.28	Wall Power
LIN-1.00L2337 A	<u> </u>	•	1	پ.۷۰.۷٥ 	γυ. 2 0	vvali FUWEI
35216K8FT	resistor 6.8k: Thick Film Resistors SMD 3521 6K8 1% 2W	TE Connectivity Holsworthy	1	\$0.51	\$0.51	Wall Power
C2220C204KBG LCAUTO	capacitor 200uF: Multilayer Ceramic Capacitors MLCC - SMD/SMT 630Vo 0.2uF 2220 C0G w/KONNEKT AECQ2	KEMET	1	\$4.37	\$4.37	Wall Power
	capacitor 10uF: Multilayer Ceramic Capacitors MLCC - SMD/SMT RECOMMENDED ALT 810-	TDK	_	¢0.50		Wall Power
C3216JB1E106 M160AB	C3216X5R1E106K		2	\$0.59	\$1.18	

C3216X8R1E105M1 60AA	capacitor 1uF: Multilayer Ceramic Capacitors MLCC SMD/SMT RECOMMENDED ALT	810-C3216X8R1E105K TDK	2	\$0.42	\$0.84	Wall Power
C3216CH2J221J06	capacitor 22pF: Multilayer Ceramic	TDK			30.64	
		IDK	2	\$0.23	60.45	Wall Power
0AA	Capacitors MLCC - SMD/SMT RECOMMENDED ALT 810-C3216C0G2J221J				\$0.46	
	capacitor 22uF:Multilayer	TDK				
C3216JB1C226M16	Ceramic Capacitors MLCC		2	\$0.86		Wall Power
0AB	SMD/SMT RECOMMENDED ALT		2			wali Powei
	810-C3216X5R1C226M				\$1.72	
Total			289		\$690.52	