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10nF	CAP CER 10000PF 50V XTR 0603	C11, C32, C53, C56, C59, C512	FP-C0603C-CF-IPC_A	C0603C103K5RACTU	6
100nF	Cap Ceramic 0.1uF 50V XTR 10% Pad SMD 0603 125°C T/R	C12, C21, C22, C33, C51, C52, C54, C55, C57, C58, C510, C511	FP-C0603C104K5RACTU	C0603C104K5RACTU	12
1uF	Cap Ceramic 1uF 16V XTR 10% SMD 0603 125°C Paper T/R	C13, C34	CAPC1608X90X35NL15 T15	C0603C105K4RACTU	2
C0603C124K5RACTU	0603 x 120nF Ceramic Multilayer Capacitor; 50V ; +12degC; XTR Dielec: +/-10%	C31	FP-C0603C-CF-IPC_A	C0603C124K5RACTU	1
LTST-C193TGKT-5A	0603(H=0.35mm) 綠色 AD:~520nm-~535nm VR~5V VF~2.5V-~3.1V If~5mA Pd~76mW	D1	FP-LTST-C193TGKT-5A	LTST-C193TGKT-5A	1
LTST-C193TBKT-5A	0603(H=0.35mm) 藍色 AD:~465nm-~475nm VR~5V VF~2.65V-~3.05V If~5mA Pd~76mW	D2	FP-LTST-C193TBKT-5A /MFG	LTST-C193TBKT-5A	1
LTST-C191KRKT	0603(H=0.65mm) 紅色 AD:~631nm VR~5V VF~2.0V-~2.4V If~20mA PD~75mW	D3	FP-LTST-C191KRKT	LTST-C191KRKT	1
CON-SOCJ-2155	DC Power Connectors Power Jack/Connector 2.1mm x 5.5mm	J01	GRAVITECH_CON- SOCJ-2155	CON-SOCJ-2155	1
TFM-110-21-S-D	SAMTEC TFM-110- 21-S-D Board-To- Board Connector, TFM Series, 20 Contacts, Header, 1.27 mm, Through Hole, 2 Rows	J11, J12	SAMTEC_TFM-110-21- S-D	TFM-110-21-S-D	2
1x7 Header	Female, 7C, Straight, 100°C, 3.20mm Tail, No Mt, 100μ Tin: PBT, Phos Bronze, 105 C	J13	HEADER 1X7	PPTC071LFBN-RC	1
61301221021	THT Angled Pin Header WR-PHD, Pitch 2.54 mm, Dual Row, 12 pins	J14, J26, J34	61301221021	61301221021	3
1x4 Header	4 Positions Embase Connecteur 0,100 po (2,54mm) Trou traversant Or	J21, J22, J23, J24, J25, J33	HEADER 1X4	PPPC041LFBN-RC	6
1x6 Header	Female, 6C, Straight, 100°C, 3.20mm Tail, No Mt, 100μ Tin: PBT, Phos Bronze, 105 C	J31	HEADER 1X6	PPTC061LFBN-RC	1
1x4 Grove connector	Grove - Universal 4 pin connector [Seeed Studio] 110990030 Grove - Universal 4 pin connector	J32	FP-110990030	110990030	1
M20-9990246	2.54mm (0.1") Pitch SIL Vertical PC Tail Pin Header, 6 1mm matting pin height, 1in, 2 contacts	J51, J52, J53, J54	FP-M20-9990246-MFG	M20-9990246	4
NXV55UNR	Transistor MOSFET-N- Channel 30V 2.3A 3- Pin SOT-23	Q41, Q42, Q43	SOT95P230X110-3N	NXV55UNR	3
MBT3904DW1T1G	Dual General Purpose Transistors, 6-Pin SOT- 363, Pb-Free, Tape and Reel	Q51, Q52	ONSC-SOT-363-6- 419B-02_W_V	CMP-1048-00877-1	2
SI2304BDST1E3	Single N-Channel 30 V 0.07 Ohms Surface Mount Power Mosfet SOT-23	Q53, Q54, Q55, Q56	FP-SI2304BDST1E3	SI2304BDST1E3	4
91k	R31	RES2013X50X30ML20		resistor	1
20K	R32	RES2013X50X30ML20		resistor	1
390	R41, R42	RES2013X50X30ML20		resistor	2
620	R43	RES2013X50X30ML20		resistor	1
10k	R51, R55, R56, R58, R512, R513, R515, R519, R520, R522, R526, R527	RES2013X50X30ML20		resistor	12
100k	R52, R53, R59, R510, R516, R517, R523, R524	RES2013X50X30ML20		resistor	8
100	R54, R511, R518, R525	RES2013X50X30ML20		resistor	4
8.2k	R57, R514, R521, R528	RES2013X50X30ML20		resistor	4
TMUX1308PWR	1-CHANNEL, 8:1 GENERAL-PURPOSE A	U21, U22	FP-PW0016A-IPC_A	CMP-04892-000071-1	2
SN74LV1T04DKRG4	Single Power Supply INVERTER Gate logic level shifter 5-5/7-7	U23, U24	SOT65P210X110-5N	SN74LV1T04DKRG4	2
ADC1010021CIMKX/N OPB	10-Bit, 189KSPS, 1-Ch SAR ADC with 12-bit Alert Pin & SOT-23; THIN -40 to 105	U31	MK06A_N	ADC1010021CIMKX/N OPB	1

