

Description	Manufacturer	Manufacturer Part Number	Component Designators	Component Count
Capacitor Ceramic X5R 10uF 50V 20% 1210	Generic	X5R-10uF-50V-20%-1210	C1, C2, C8	3
Capacitor Ceramic X7R 2.2nF 16V 10% 0402	Generic	X7R-2.2n-16V-10%-0402	C10	1
Capacitor Ceramic XNPO 47pF 5% 0402	Generic	NPO-47p-50V-5%-0402	C11	1
Capacitor Ceramic X5R 1nF 50V 10% 0402	Generic	X7R-1n-50V-10%-0402	C12, C37, C39, C40, C41, C42, C43, C44, C45	9
Capacitor Ceramic X5R 1uF 16V 20% 0402	Generic	X5R-1uF-16V-20%-0402	C13, C18, C46	3
Capacitor Ceramic X7R 1nF 2KV 10% 1206	Generic	X7R-1nF-2KV-10%-1206	C16	1
Capacitor Ceramic X5R 10uF 6.3V 20% 0402	Generic	X5R-10u-6.3V-20%-0402	C23, C35	2
Capacitor TA 100uF 20V 10% 7343 80mOhm	Generic	TA-100u-20V-10%-7343-80mOhm	C3, C4	2
Capacitor Ceramic X7R 100pF 50V 10% 0402	Generic	X7R-100p-50V-10%-0402	C38	1
Capacitor Ceramic X7R 100nF 16V 10% 0402	Generic	X7R-100n-16V-10%-0402	C5, C6, C9, C26, C27, C28, C29, C30, C31, C32, C33, C34, C17, C19, C20, C21, C22, C24, C25, C36	20
Capacitor Ceramic X5R 100uF 10V 20% 1210	Generic	X5R-100uF-10V-20%-1210	C14, C15, C7	3
Header male, 1x3 Pins, 2.54 mm pitch	Tyco	826936-3	JP1, JP3, JP4, JP5, JP6, JP7, JP8, JP9, JP10, JP11, JP12, JP13, JP14	13
Testpin TH	Keystone	5011	TP1	1
100 Position Connector, Self Mating, Non-Gendered, Surface Mount	Samtec	LSS-150-03-L-DV-A-K-TR	X1	1
USB 3.1 Gen 2, Input Output Connectors, USB type C, Receptacle, Top mount, dual-row SMT, 1.6mmPCB	Amphenol	12401598E4#2A	X2	1
	Tyco	1932258-1	X3	1
Header Male, 2x5 Pins, 2.54mm pitch	EconConnect	SLSD10GA	X4	1
0.50mm Pitch FFC/FPC Vertical DVI Connector	Hirose	FH12-24S-0.5SVA(54)	X5	1
Header Male, 2X20 Pins, 1.25 mm pitch, shrouded	Hirose	DF13EA-40DP-1.25V(76)	X6	1
FFC/FPC, 1 Sided Contact, 0.50mm Pitch, 10 pins	Hirose	FH12-10S-0.5SVA(54)	X7	1
D-Vishay-SS3P3-E3/84A-Schottky	Vishay	SS3P3-E3/84A	D1	1
Schottky 30V / 0.20A	ON Semiconductor	BAT54XV2T5G	D11, D12, D13, D14	4
ESD Protection Diode	ON Semiconductor	ESD9101P2T5G	D2, D3, D4, D5	4
Polymeric PTC Resettable Fuse 16V 2A 1h Surface Mount 1812 (4532 Metric), Concave	Littelfuse	1812L200/16DR	FU1	1
5.5A PWM STEP-UP DC-DC CONVERTER	Diodes Inc	PAM2423AECADJR	IC1	1
EEPROM, Serial I²C bus , SOIC-8, -40C to +85C	ST	M24C02-FMN6TP	IC2	1
Voltage Level Translator for I2C Applications	ON Semi	FXMA2102L8X	IC3, IC5, IC6	3
Voltage Level Shifter 4 channels, UQFN-16 (2.6mm x 1.8mm), -40C to +85C	TI	SN74AVCA1T774RSVR	IC4, IC7	2
Inductance 15uH 3A 20%	Abracon LLC	ASPI-0630LR-150M-T15	L1	1
Power Supply FB 10A	Laird	35F0121-05R-10	L2, L3	2
Common Mode Choke High Speed 12R 100mA	Panasonic	EXC14CH120U	L4, L5, L6, L7, L8, L9, L10	7
LED green Lite-ON LTST-C190GKT	LiteON	LTST-C190GKT	LED1, LED2, LED3, LED4, LED6	5
LED red, Lite-On LTST-C190KRKT	LiteON	LTST-C190KRKT	LED5, LED7	2
Shunt Jumper	Assmann	AKSPT/G-BLACK	JMP1, JMP2, JMP3, JMP4, JMP5, JMP6, JMP7, JMP8, JMP9, JMP10, JMP11, JMP12, JMP13	13
Steel Pan Head Phillips Screws	Generic	Screw-Steel-M3x6mm-Philips	MECH6, MECH7, MECH8, MECH9	4
PCB Verdin iMX8M Plus Mezzanine V1.0.001	Generic	PCB Verdin iMX8M Plus Mezzanine V1.0.001	PCB1	1
Barcode Label	Generic	Barcode Label	LBL1	1
Resistor 47k 63mW 1% 0402	Generic	47K-63mW-1%-0402	R1, R3	2
Resistor 0 ohm 63mW 1% 0603	Generic	0R-63mW-1%-0603	R11, R16, R20, R24, R31, R36, R37, R39, R45, R53, R58, R62, R75, R76, R77, R79, R82, R84, R89, R91, R93	21
Resistor 10 Kohm 63mW 5% 0402	Generic	10K-63mW-5%-0402	R12, R13, R21, R22, R29, R51, R54, R63, R65, R66, R68, R69, R71, R72, R73, R86	16
Resistor 1 Kohm 63mW 5% 0402	Generic	1K-63mW-5%-0402	R14, R49, R64	3
000M008k200R000	Generic	8.2k-63mW-5%-0402	R2	1
Resistor 4.7Kohm 63mW 5% 0402	Generic	4.7K-63mW-5%-0402	R33, R34, R43, R44	4
Resistor 5.6 Kohm 63mW 1% 0402	Generic	5.6K-63mW-1%-0402	R4	1
Resistor 2.2 Kohm 63mW 5% 0402	Generic	2.2k-63mW-5%-0402	R5, R15, R74	3
Resistor 100 Kohm 63mW 5% 0402	Generic	100K-63mW-5%-0402	R6, R25, R26, R27, R28, R50, R55, R59, R67, R87, R88	11
Resistor 5.1 Kohm 63mW 1% 0603	Generic	5.1K-63mW-1%-0603	R7, R8	2
Resistor 1 Mohm 250mW 5% 1206	Generic	1M-250mW-5%-1206	R9	1
Resistor Array 22 R 63mW 5% 4x0603	Generic	22R-63mW-5%-4x0603	RA1	1
Dual N-Channel 20V (D-S) MOSFET	ON Semi	NTZD3154NT1G	T1, T2, T3, T4, T5	5
	Generic	No Physical Component	L11, R17, R18, R19, R23, R30, R32, R35, R38, R40, R41, R42, R46, R47, R48, R52, R56, R57, R61, R78, R80, R81, R83, R85, R90, R92, R94, R10, R70, R95, R97, R96, R98, R60	34