

Description	Manufacturer	Manufacturer Part Number	Component Designators	Component Count
Capacitor Ceramic X7R 100nF 16V 10% 0402	Generic	X7R-100n-16V-10%-0402	C1, C6, C7, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C25, C27, C29, C31, C33, C35, C38, C39, C40, C41, C42, C43, C45	26
Capacitor Ceramic X7R 2.2nF 16V 10% 0402	Generic	X7R-2.2n-16V-10%-0402	C10	1
Capacitor Ceramic NP0 47pF 50V 5% 0402	Generic	NP0-47p-50V-5%-0402	C11	1
Capacitor Ceramic X5R 1uF 16V 20% 0402	Generic	X5R-1uF-16V-20%-0402	C12	1
Capacitor Ceramic X5R 10uF 50V 20% 1210	Generic	X5R-10uF-50V-20%-1210	C2, C3, C8	3
Capacitor Ceramic X5R 10uF 6.3V 20% 0402	Generic	X5R-10u-6.3V-20%-0402	C23, C24	2
Capacitor Ceramic X7R 10nF 25V 10% 0402	Generic	X7R-10n-25V-10%-0402	C26, C28, C30, C32, C34, C36	6
Capacitor TA 100uF 20V 10% 7343 80mOhm	Generic	TA-100u-20V-10%-7343-80mOhm	C4, C5	2
Capacitor Ceramic NP0 10pF 50V 5% 0402	Generic	NP0-10p-50V-5%-0402	C44, C46	2
Capacitor Ceramic X5R 100uF 10V 20% 1210	Generic	X5R-100uF-10V-20%-1210	C9	1
60 Position Connector, Self Mating, Non-Gendered, Surface Mount	Samtec	LSS-130-03-L-DV-A-K-TR	X1	1
Header Male, 2X20 Pins, 1.25 mm pitch, shrouded	Hirose	DF13EA-40DP-1.25V(76)	X2	1
FFC/FPC, 1 Sided Contact, 0.50mm Pitch, 10 pins	Hirose	FH12-10S-0.5SVA(54)	X3	1
D-Vishay-SS3P3-E3/84A-Schottky	Vishay	SS3P3-E3/84A	D1	1
Schottky 30V / 0.20A	ON Semiconductor	BAT54XV2T5G	D2, D3, D4, D5, D6	5
5.5A PWM STEP-UP DC-DC CONVERTER	Diodes Inc	PAM2423AECADJR	IC1	1
Voltage Level Translator for I2C Applications	ON Semi	FXMA2102L8X	IC2, IC4	2
EEPROM, Serial I ² C bus , SOIC-8, -40C to +85C	ST	M24C02-FMN6TP	IC3	1
Integrated Circuit	Texas Instruments	SN65DSI84TPAPRQ1	IC5	1
Voltage Level Shifter 4 channels, UQFN-16 (2.6mm x 1.8mm), -40C to +85C	TI	SN74AVC4T774RSVR	IC6	1
Inductance 15uH 3A 20%	Abracon LLC	ASPI-0630LR-150M-T15	L1	1
Power Supply FB 10A	Laird	35F0121-0SR-10	L2, L3	2
220R@100MHz 800mA EMI FILTER	Generic	220R@100MHz-800mA-25%-0402	L4	1
LED green Lite-ON LTST-C190GKT	LiteON	LTST-C190GKT	LED1, LED4, LED2, LED3	4
LED red, Lite-On LTST-C190KRKT	LiteON	LTST-C190KRKT	LED5	1
Steel Pan Head Phillips Screws	Generic	Screw-Steel-M3x6mm-Philips	MECH10, MECH11, MECH12, MECH13	4
PCB Verdin DSI to LVDS Adapter V1.1.001	Generic	PCB Verdin DSI to LVDS Adapter V1.1	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	R18	1

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Resistor 100 Kohm 63mW 5% 0402	Generic	100K-63mW-5%-0402	R2, R6, R7, R8, R11, R12, R33, R34, R35, R36, R39, R40	12
Resistor 10 Kohm 63mW 5% 0402	Generic	10K-63mW-5%-0402	R28, R37, R42, R45, R53, R54	6
Resistor 4.7 Kohm 63mW 5% 0603	Generic	4.7k-63mW-5%-0603	R29	1
Resistor 5.6 Kohm 63mW 1% 0402	Generic	5.6K-63mW-1%-0402	R4	1
Resistor 100 ohm 63mW 5% 0402	Generic	100R-63mW-5%-0402	R46, R47	2
Resistor 8.2 Kohm 63mW 5% 0402	Generic	8.2k-63mW-5%-0402	R48	1
Resistor 1 Kohm 63mW 5% 0402	Generic	1K-63mW-5%-0402	R49, R50, R52, R55	4
Resistor 4.7Kohm 63mW 5% 0402	Generic	4.7K-63mW-5%-0402	R5, R9, R10, R13, R14, R21, R22, R23, R24, R41	10
p-channel MOSFET, DMP2022LSS-13	Diodes Inc.	DMP2022LSS-13	T1, T3, T4	3
Dual N-Channel 20V (D-S) MOSFET	ON Semi	NTZD3154NT1G	T2, T5, T6, T8, T7, T9	6
	Generic	No Physical Component	C37, R15, R16, R17, R19, R20, R30, R31, R38, R25, R26, R27, R32, R43, R44	15