

Description	Manufacturer	Manufacturer Part Number	Component Designators	Component Count
Capacitor Ceramic NP0 10pF 50V 5% 0402	Generic	NP0-10p-50V-5%-0402	C1, C2, C4, C9, C10, C11	6
Capacitor Ceramic X7R 100nF 16V 10% 0402	Generic	X7R-100n-16V-10%-0402	C12, C13, C15, C17, C19, C20, C22, C23, C36, C37, C38, C39, C40, C43, C44, C45, C46, C47, C48, C49, C50, C51, C54, C58, C86, C95, C96, C97, C104, C112, C115, C116, C117, C118, C120, C121, C122, C124, C105, C33, C138, C89	42
Capacitor Ceramic X5R 1uF 16V 10% 0603	Generic	X5R-1u-16V-10%-0603	C127, C128	2
Capacitor Ceramic X7R 1nF 2KV 10% 1206	Generic	X7R-1nF-2KV-10%-1206	C129, C130, C131, C134, C135, C136	6
Capacitor Ceramic X7R 10nF 25V 10% 0402	Generic	X7R-10n-25V-10%-0402	C14, C16, C18, C21, C24, C25, C123, C125, C126, C76, C77	11
Capacitor Ceramic X5R 47uF 10V 20% 0805	Generic	X5R-47u-10V-20%-0805	C26, C27, C52, C53, C63, C64, C72, C73	8
Capacitor Ceramic NP0 15pF 50V 5% 0402	Generic	NP0-15pF-50V-5%-0402	C29, C30, C31, C32, C87	5
Capacitor Ceramic X7R 220pF 50V 10% 0402	Generic	X7R-220pF-50V-10%-0402	C3	1
Capacitor Ceramic NP0 100pF 50V 10% 0402	Generic	C-NP0-100p-50V-5%-0402	C34	1
Capacitor TA 100uF 10V 20% 3528	Generic	TA-100uF-10V-20%-3528	C41	1
Capacitor Ceramic X5R 22uF 10V 20% 0805	Generic	X5R-22uF-10V-20%-0805	C42, C55, C98, C102, C103, C82	6
Capacitor Ceramic NP0 47pF 50V 5% 0402	Generic	NP0-47p-50V-5%-0402	C5, C6	2
Capacitor Ceramic X5R 4.7uF 10V 10% 0603	Generic	X5R-4.7uF-10V-10%-0603	C88, C99, C100, C101, C59, C80	6
Capacitor Ceramic X7R 100nF 50V 10% 0603	Generic	X7R-100nF-50V-10%-0603	C60, C71, C119, C62, C81	5
Capacitor Ceramic X5R 10uF 50V 10% 1210	Generic	X5R-10u-50V-10%-1210	C67, C68, C69, C61, C70, C78, C79	7
Capacitor Ceramic NP0 4.7pF 50V 10% 0402	Generic	NP0-4.7pF-50V-10%-0402	C7, C8	2
Capacitor Ceramic X5R 2.2uF 6.3V 20% 0603	Generic	X5R-2.2u-6.3V-20%-0603	C84, C85	2
Capacitor Ceramic X5R 1nF 50V 10% 0402	Generic	X7R-1n-50V-10%-0402	C90, C91, C92, C93, C94, C137	6
Battery Holder	Keystone	3000	BAT1	1
Power Connector Mate 3.50mm pitch	Dinkle	EC350V-02P	MECH11	1
SODIMM Connector	Tyco	1473005-1	X1	1
MicroSD card holder with card detect, Push-Push type	Würth Elektronik (Wuerth Elektronik)	6.93071E+11	X10	1
USB 2.0 Type A Connector Vertical	Learnax	3210-SRWE	X11	1
Micro AB USB-2.0, 5 Position, Surface Mount, Right Angle, Horizontal	Hirose	ZX62-AB-5PA(31)	X12	1
Header Male, 2x5 Pins, 2.54mm pitch	EconConnect	SLSD10GA	X13, X14	2
RJ45 Ethernet Connector 1000BaseT Connector	LINK-PP	LPJ4011ABNL	X15	1
Header, 2x20 Pins, 2.54 mm pitch	Amtek	5PH1SDA25-220G0NNBU-060030000-00	X16	1
Power Connector 3.5mm pitch	Dinkle	ECH350R-02P	X17	1
	Tyco	284512-2		
Touch Connector	Hirose	DF13C-6P-1.25V(51)	X19	1
FFC/FPC Connector, 0.50mm Pitch, Right-Angle, Surface Mount, ZIF, Top Contact, 24 Circuits	Molex	52435-2471	X2	1
FFC Connector, 40 pin, 0.5mm pitch, dual side contact	Hirose	FH34SRJ-40S-0.5SH(99)	X3	1
DVI Connector	Amtek	57DVDR2F-29AAS0WA-01	X4	1
FFC Connector, 10 pin, 0.5mm pitch, dual side contact	Hirose	FH34SRJ-10S-0.5SH(50)	X5	1
Header Male, 2X20 Pins, 1.25 mm pitch, shrouded	Hirose	DF13EA-40DP-1.25V(76)	X7	1
3.5mm Stereo Jack SMD With Detect Contact	CUI	SJ-43516-SMT-TR	X8	1
Header 5 pins 2.54mm	Würth	61300511121	X9	1
Crystal	Epson	FC-255 32.7680kHz-A-12.5	OSC1	1
	Micro Crystal	CC4V-T1A32.768kHz12.5pF+-20ppm		
	Micro Crystal	CC4V-T1A		
	Micro Crystal	MC-CC4V-T1A-32.768		
ESD Protection Diodes with Low Clamping Voltage	ON Semi	NUP4114HMR6T1G	D1, D2, D3, D4, D5, D11	6
Diode Schottky, SS8P6C-M3/86A, 60V(Vrrm), 8A(If)	Vishay Semiconductors	SS8P6C-M3/86A	D13	1
Uni-Directional ESD Protection Diode, 2-Channels	Texas Instruments	TPD2EUSB30DRTR	D6	1
BAT54 Schottky Diode	NXP	BAT54C	D7, D10, D12	3
	ON Semiconductor	BAT54CLT1G		
Bidirectional ESD protection	Littelfuse	SMAJ30CA	D8	1
Fast Fuse, Rated 8A, 63V(DC), 1206 (3216 Metric)	Littelfuse	0458008.DR	F1	1
Dual High Side Switch With OC_DET 500mA/CH	Texas Instruments	TPS2042BDR	IC1	1
LDO regulator, Vout = 1.8V, Imax = 300mA	ON Semiconductor	NCV8114ASN180T1G	IC11	1
High Side Load Switch, TDFN4 1.2 x 1.6	Microchip Micrel	MIC94073YMT	IC13	1
LDO regulator, Vout = 5V, Iout(max) = 0.4A, Vin = 5.5V to 40V, SOT-223	ON Semiconductor	NCV4274CST50T3G	IC15	1
Video DAC 8bit 140MHz	Analog Devices	ADV7125KSTZ140	IC2	1
Schmitt Trigger Buffer	Texas Instruments	SN74LVC1G17DCKR	IC3, IC10	2

Multichannel RS-232 Compatible Line Driver/Receiver	TI	MAX3243IDBR	IC4, IC6	2
6A (Iout(max)) Synchronous Buck Regulator, QFN-22L (4mmx 4mm), Vin = 6.5V to 28V	Alpha & Omega Semiconductor	AOZ2260QI-11	IC5, IC14	2
NCP511SN33T1G LDO Regulator	ON Semi	NCP511SN33T1G	IC7	1
	ON Semiconductor	NCP511SN33T1G		
RTC M41T0M6	ST Microelectronics	M41T0M6F	IC8	1
LVDS Transmitter	THine	THC63LVD827	IC9	1
Ferrite Bead	Generic	220R-500mA-25%-0402	L1, L2, L3, L4	4
	Murata	DLW21SN900SQ2		
Common Mode Choke High Speed 90R 330mA	Murata	DLW21SN900SQ2L	L15, L16	2
	Murata	DLW21SN900SQ2-90R@100MHz-330mA-25%		
Power Supply FB 10A	Laird	35F0121-0SR-10		
	Steward	35F0121-0SR-10-10A-25%	L23, L29	2
Inductance 3.3uH, 20%, Irms=10A, Isat=18.6A, DCR=11.8 mOhm	Vishay	IHLP4040DZER3R3M01	L26	1
40R@100MHz 600mA EMI FILTER	Generic	MMZ1608S400A-40R@100MHz-600mA-25%		
	TDK	MMZ1608S400A-40R@100MHz-600mA-25%	L5, L6, L7	3
Inductance 3.3uH, 20%, Irms=10A, Isat=15A, DCR=18 mOhm	Pulse Electronics	PA5007.332NLT	L8	1
Ferrite Bead	Generic	220R-2A-25%-0603	L9, L10, L11, L17, L18, L19, L21, L24, L25, L27, L31	11
Surface mount LED green 20mA	Avago	HSMG-C190	LED1, LED2	2
FFC Cable 24 pin 35mm 0.5mm pitch	Shanghai Jiaoye	FFC-0.5-24P-35mm	CBL1	1
PCB for Iris Carrier Board	Generic	PCB Iris Carrier Board V2.0.001	PCB1	1
Label	Generic	Barcode Label	LBL1	1
Resistor 22 ohm 63mW 5% 0402	Generic	22R-63mW-5%-0402	R1, R2, R3, R4, R5, R7, R8, R9, R10, R77, R78, R79, R80, R87, R146, R147, R148, R149	18
Resistor 10 Kohm 63mW 1% 0402	Generic	10K-63mW-1%-0402	R108, R116	2
Resistor 1.8 Kohm 63mW 5% 0402	Generic	1.8K-63mW-5%-0402	R11, R12	2
Resistor 22 ohm 63mW 5% 0603	Generic	22R-63mW-5%-0603	R114	1
Resistor 5.6 Kohm 63mW 1% 0402	Generic	5.6K-63mW-1%-0402	R115	1
Resistor 2.2 Kohm 63mW 5% 0402	Generic	2.2K-63mW-5%-0402	R124	1
Resistor 1 Kohm 63mW 5% 0402	Generic	1K-63mW-5%-0402	R13, R82, R57	3
Resistor 470 Kohm 63mW 1% 0402	Generic	470K-63mW-1%-0402	R152	1
Resistor 100 Kohm 63mW 5% 0603	Generic	100K-63mW-5%-0603	R24, R27, R53, R129, R131, R133, R135	7
Resistor 150 ohm 63mW 1% 0402	Generic	150R-63mW-1%-0402	R25, R26, R28, R31, R32, R33, R95, R96	8
Resistor 10 Kohm 63mW 5% 0603	Generic	10K-63mW-5%-0603	R29, R106, R107	3
Resistor 560 ohm 63mW 5% 0402	Generic	560R-63mW-5%-0402	R34, R81	2
Resistor 1Mohm 63mW 5% 0603	Generic	1M-63mW-5%-0603	R37, R137, R138, R140	4
Resistor 100 ohm 63mW 5% 0603	Generic	100R-63mW-5%-0603	R38	1
Resistor 49.9 ohm 100mW 1% 0402	Generic	49.9R-100mW-1%-0402	R47, R48, R51, R52	4
Resistor 100 Kohm 63mW 5% 0402	Generic	100K-63mW-5%-0402	R49, R50, R61, R100, R120, R150, R64	7
Resistor 4.7Kohm 63mW 5% 0402	Generic	4.7K-63mW-5%-0402	R54, R55	2
	Generic	0R-63mW-1%-0603		
Resistor 0 ohm 63mW 1% 0603	Multicomp	MC0.063W06030R		
	Multicomp	MC 0.063W 0603 0R	R6, R14, R15, R16, R19, R20, R35, R36, R39, R40, R44, R56, R62, R63, R84, R88, R89, R90, R91, R93, R94, R122, R123, R70, R72, R71, R154, R155, R157	29
	Panasonic	ERJ-3GEY0R00V		
	Panasonic / Panasonic ECG	ERJ-3GEY0R00V		
Resistor 47 Kohm 63mW 1% 0402	Generic	47KR-63mW-1%-0402	R73, R66	2
Resistor 15 Kohm 63mW 1% 0402	Generic	15k-63mW-1%-0402	R67	1
000M330k000R000	Generic	330K-63mW-1%-0402	R68	1
Resistor 8.87 Kohm 63mW 1% 0402	Generic	8.87KR-63mW-1%-0402	R74	1
Resistor 33 ohm 63mW 5% 0402	Generic	33R-63mW-5%-0402	R76, R97	2
	Generic	10K-63mW-5%-0603		
Resistor 10 Kohm 63mW 5% 0603	Panasonic / Panasonic ECG	ERJ-3GEYJ103V	R83, R85, R86, R145	4
	Xicon	301-10K-RC		
Resistor Array 22 R 63mW 5% 4x0603	Generic	22R-63mW-5%-4x0603	RA1, RA2, RA3, RA4, RA5, RA6, RA7, RA8, RA9, RA10, RA11, RA12, RA13, RA14, RA15, RA16	16
Microminiature Tact Switch for SMT	C&K	KMR211GLFS	SW1	1
N-Channel 20V (D-S) MOSFET	Diodes Inc.	DMG1012T-7	T3	1
	Generic	No Physical Component	R156, C133, JP1, X6, X20, C28, C35, C56, C57, R109, R111, R112, R113, R117, R118, R119, R121, R125, R126, R127, R128, R130, R132, R134, R136, R17, R18, R21, R22, R23, R30, R41, R42, R43, R45, R46, R75, R60, R59, R58, R92, R98, R99, R110, R151, R101, R102, R103, R104, R105, R65, R69, C74, C66, C65, C75, IC12, C132, R139, R141, R142, R143, R144, R153, R158, C139	66