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Part Number	Description	Manufacturer	Manufacturer Part Number	Component Designators	Component Count
C-X7R-100n-16V-10%-0402	Capacitor Ceramic X7R 100nF 16V 10% 0402	Generic	X7R-100n-16V-10%-0402	C1, C2, C13, C19, C32, C33, C41, C51, C56, C59, C62, C65, C66, C67, C70, C71, C73, C74, C75, C87, C88, C95, C96, C97, C98, C100, C102, C105, C106, C109, C111, C114, C115, C118, C120, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C143, C138	47
C-X7R-100n-50V-10%-0402	Capacitor Ceramic X7R 100nF 50V 10% 0402	Generic	X7R-100n-50V-10%-0402	C101	1
C-X7R-47n-16V-10%-0603	Capacitor Ceramic X7R 47nF 16V 10% 0603	Generic	X7R-47n-16V-10%-0603	C112, C121	2
C-X5R-10u-10V-20%-0603	Capacitor Ceramic X5R 10uF 10V 20% 0603	Panasonic TDK	ECJ-1VB1A106M C1608X5R1A106M	C14, C18, C55, C104, C107, C113, C116, C139, C140, C141, C142, C144, C145, C146, C147, C25, C68	17
C-X5R-1u-16V-20%-0603	Capacitor Ceramic X5R 1uF 16V 20% 0603	Generic	X5R-1uF-16V-20%-0603	C20	1
C-X5R-47u-10V-20%-0805	Capacitor Ceramic X5R 47uF 10V 20% 0805	Generic	X5R-47u-10V-20%-0805	C21, C22, C23, C24, C36, C37, C38, C39	8
C-X7R-1n-50V-10%-0402	Capacitor Ceramic X7R 1nF 50V 10% 0402	Generic	X7R-1n-50V-10%-0402	C28, C52, C58, C61, C64, C69, C89, C90, C91, C92, C93, C94, C99, C103	14
C-X7R-470p-50V-10%-0402	Capacitor Ceramic X7R 470pF 50V 10% 0402	Generic	X7R-470p-50V-10%-0402	C29	1
C-X7R-100n-50V-20%-0603	Capacitor Ceramic X7R 100nF 50V 20% 0603	Generic	X7R-100n-50V-20%-0603	C3, C17	2
C-X5R-10u-50V-20%-1210	Capacitor Ceramic X5R 10uF 50V 20% 1210	Generic	X5R-10uF-50V-20%-1210	C4, C5, C6, C15, C16, C26, C30, C31, C44, C47	10
C-X7R-680p-50V-10%-0402	Capacitor Ceramic X7R 680pF 50V 10% 0402	Generic	X7R-680p-50V-10%-0402	C40	1
C-X7R-10n-25V-10%-0402	Capacitor Ceramic X7R 10nF 25V 10% 0402	Generic	X7R-10n-25V-10%-0402	C42, C45, C108, C110, C117, C119	6
C-X5R-22u-25V-20%-1210	Capacitor Ceramic X5R 22uF 25V 20% 1210	Generic	X5R-22uF-25V-20%-1210	C50	1
C-X7R-100p-50V-10%-0402	Capacitor Ceramic X7R 100pF 50V 10% 0402	Generic	X7R-100p-50V-10%-0402	C53, C54	2
C-TA-100u-10V-10%-6032	Capacitor TA 100uF 10V 10% 6032	Generic	TA-100uF-10V-10%-6032	C57, C60, C63	3
C-TA-22u-10V-20%-3528	Capacitor TA 22uF 10V 20% 3528	Generic	TA-22uF-10V-20%-3528	C7	1
C-TA-47u-6.3V-20%-3216	Capacitor TA 47uF 6.3V 20% 3216	Generic	TA-47uF-6.3V-20%-3216	C72, C76, C77	3
C-NP0-15p-50V-10%-0603	Capacitor Ceramic NP0 15pF 50V 10% 0603	Generic	NP0-15pF-50V-10%-0603	C78, C79, C80, C82, C83	5
C-TA-4.7u-10V-20%-3216	Capacitor TA 4.7uF 10V 20% 3216	Generic	TA-4.7uF-10V-20%-3216	C8, C9, C10, C11, C12	5
C-X5R-2.2u-6.3V-20%-0603	Capacitor Ceramic X5R 2.2uF 6.3V 20% 0603	Generic	X5R-2.2u-6.3V-20%-0603	C85, C86	2
BAT-Keystone-3000	Battery Holder	Keystone	3000	BAT1	1
CON-Samtec-TSW-101-07-G-D	Header male, 1x2 Pins, 2.54 mm (0.1") pitch	JVE	21B1264-02S10	JP1, JP2, JP3	3
CON-JAE-MM70-314-310B1-314-0.5mm	MXM Socket	JAE	MM70-314-310B1-1-R300	X1	1
CON-Amphenol-101-00581-59	Micro SD Connector, Push-Push Type	Amphenol	101-00581-59	X10	1
CON-ETH-RJ45-1000BaseT	RJ45 Ethernet Connector 1000BaseT Connector	Bel Fuse	L869-1J1T-32	X11	1
CON-Cui-SJ-43516-SMT-6-3.5mm	3.5mm Stereo Jack SMD With Detect Contact	CUI	SJ-43516-SMT	X12	1
CON-Header-2x10-Male-2.54mm	Header 2x50 pin 2.54mm pitch, Male	Amtek Samtec	PH1S25-210GB6.0-3.0-L TSW-110-07-G-D	X14	1
CON-Hirose-FH12-40S-0.5SV(55)-0.5mm	0.50mm Pitch FFC/FPC Vertical RGB connector	Hirose	FH12-40S-0.5SV(55)	X15	1
CON-Hirose-DF13C-6P-1.25V(51)-1x6-1.25mm	Touch Connector	Hirose	DF13C-6P-1.25V(51)	X16	1
CON-FCI-10029449-111RLF	HDMI PCB Connector	FCI	10029449-111RLF	X17	1
CON-Hirose-DF13A-40DP-1.25v(55)-2x20-1.25mm	Header Male, 2X20 Pins, 1.25 mm pitch, shrouded	Hirose Yimtek	DF13A-40DP-1.25V(55) 525DF132*20STR	X19	1
CON-PowerJack-6.3mm	Power Jack	SwitchCraft	RAPC722X	X2	1
CON-Header-2x3-Male-2.54mm	Header Male, 2x3 Pins, 2.54mm pitch	Amtek Samtec	PH1S25-203GB6.0-3.0-L TSW-103-07-G-D	X20	1
CON-Header-2x5-Male-2.54mm	Header Male, 2x5 Pins, 2.54mm pitch	JVE	21B22564-10S10-01G-6/3	X21, X22	2
CON-Molex-67910-5700	Mini PCIe Connector	Molex	67910-5700	X23, X25	2
CON-Molex-47023-0001	SIM Card Connector	Molex	47023-0001	X26	1
CON-Header-2x18-Male-2.54mm	Header male, 2x18 Pins, 2.54 mm pitch	JVE Samtec	B22564-36S10B-10G TSW-118-07-G-D	X27	1
CON-Samtec-SSW-103-01-G-D	Header female, 2X3 pins, 2.54mm pitch	Samtec	SSW-103-01-G-D	X5	1
CON-Molex-22-11-2032	Header male with friction lock, 1x3 pins, 2.54mm pitch	Molex	2211-2032	X6	1
CON-USB-1x-Type-A-Vertical	USB Type A Connector Vertical	FCI	73725-0110BLF	X7	1
CON-Amphenol-GSB311231HR	USB 3.0 Type A Stacked Right Angled	Amphenol	GSB311231HR	X8	1
CON-Molex-47589-0001-5-0.65	Micro USB OTG Connector	Molex	47589-0001	X9	1
CRY-32.7680kHz-12.5PF-20PPM-5x1.9mm	Crystal	Micro Crystal	CC4V-T1A-32.768kHz-12.5pf-20ppm	OSC1	1
D-SMAJ30CA-Schottky-SMA(DO-214AC)	Bidirectional ESD protection	Littelfuse	SMAJ30A	D1	1
D-Semtech-RClamp0504S	TVS Array low cap	Semtech	RClamp0504S	D13, D15	2
D-Vishay-SS3P3-E3/84A-Schottky	D-Vishay-SS3P3-E3/84A-Schottky	Vishay	SS3P3-E3/84A	D2	1

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Part Number	Description	Manufacturer	Manufacturer Part Number	Component Designators	Component Count
D-BAT54-SOT23	BAT54 Schottky Diode	Fairchild Semiconductor Fairchild Semiconductor NXP	BAT54C BAT54S BAT54C	D3, D4	2
D-TI-TPD2EUSB30DRTR	Uni-Directional ESD Protection Diode, 2-Channels	Texas Instruments	TPD2EUSB30DRTR	D5, D6, D7, D8, D9, D10, D11, D12	8
F-Littelfuse-0458007	Fuse 7A Fast	Littelfuse	0458007.DR	F1	1
IC-ON-NCV4264-2ST50T3G	NCV4264-2ST50T3G LDO Regulator	ON Semi	NCV4264-2ST50T3G	IC1	1
IC-AD-ADM3053BRWZ	Digital Isolator	Analog Devices	ADM3053BRWZ	IC10, IC11	2
IC-TI-SN65C3243DBR	Multichannel RS-232 Compatible Line Driver/Receiver	Texas Instruments	SN65C3243DBR	IC12, IC13	2
IC-Semtech-SC4215A	Low Dropout Regulator, 2A	Semtech	SC4215ASTRT	IC16, IC17	2
IC-TI-TPS51120	Power Supply Controller	Texas Instruments	TPS51120	IC2	1
IC-LIN-LTC2954ITS8-2#PBF	Push Button On/Off Controller IT range	Linear	LTC2954ITS8-2#PBF	IC3	1
IC-FAR-NC7SZ126M5X	NC7SZ126M5X Buffer Three-State Output	Fairchild Semiconductor	NC7SZ126M5X	IC4	1
IC-ST-M41T0M6	RTC M41T0M6	ST Microelectronics	M41T0M6	IC5	1
IC-TI-TPS2052BD	Dual High Side Switch With OC_DET 500mA/CH	Texas Instruments	TPS2052BD	IC6, IC7	2
IC-ON-NCP511SN33T1G	NCP511SN33T1G LDO Regulator	ON Semi	NCP511SN33T1G	IC8	1
IC-NXP-IP4791CZ12	HDMI ESD protection, level shifter and backdrive protection	NXP	IP4791CZ12	IC9	1
L-Laird-35F0121-0SR-10-10A-25%	Power Supply FB 10A	Steward	35F0121-0SR-10-10A-25%	L1, L2	2
L-120R@100MHz-2A-25%-0603	120R@100MHz 2A EMI FILTER	Maglayers	GMLB-160808-0120P-N8	L10	1
L-33R@100MHz-3A-25%-0603	33R@100MHz 3A EMI FILTER	Murata	BLM18PG330SN1D	L27, L28, L3, L18	4
L-Wurth-7447797470-4.7uH-6.2A-20%	Inductance 4.7uH 6.2A 20%	Wurth	7447797470-4.7uH-6.2A-20%	L4	1
L-Wurth-744771008-8.2uH-6.25A-20%	Inductance 8.2uH 6.25A 20%	Wurth	744771008-8.2uH-6.25A-20%	L5	1
L-Murata-DLW21SN900SQ2-90R@100MHz-330mA-25%	Common Mode Choke High Speed 90R 330mA	Murata Murata	DLW21SN900SQ2L DLW21SN900SQ2-90R@100MHz-330mA-25%	L8, L13, L15	3
L-220R@100MHz-2A-25%-0603	220R@100MHz 2A EMI FILTER	Generic TDK	220R@100MHz-2A-25% 220R@100MHz-2A-25%	L9, L11, L12, L14, L16, L17, L19, L20, L21, L24, L25, L26	12
LED-Kingbright-APA1606CGCK	Standard-LEDs - SMD Green Clear, Right Angled	Kingbright	APA1606CGCK	LED1, LED10, LED11, LED12, LED13	5
LED-Avago-HSMG-C190-GREEN-0603	Surface mount LED green 20mA	Avago	HSMG-C190	LED3	1
LED-LiteON-LTST-S326KGJRKT	Standard-LEDs - SMD Green/Red Clear	LiteON	LTST-S326KGJRKT	LED4, LED5	2
MECH-Shunt-Jumper-Black-2.54mm	Shunt Jumper	JVE	S1002-OPS60-01G	JMP2, JMP3	2
MECH-Molex-48099-5701	Mini PCI-E Latch with Cover	Molex	48099-5701	MECH1, MECH20, MECH21	3
MECH-HiTech-KFE-M3-3ET	Broaching Nut stand offs for plastics	PEM	KFE-M3-3ET	MECH4, MECH5, MECH6	3
MECH-HiTech-KFE-M3-8ET	Broaching Nut stand offs	PEM	KFE-M3-8ET	MECH7, MECH8	2
IC-ON-CAT24C02WI-GT3	EEPROM 2K-Bit I2C Serial EEPROM	ON Semi	CAT24C02WI-GT3	IC14	1
PCB Ixora	PCB	Suntak	PCB Ixora V1.0.002	PCB1	1
Label: "Ixora V1.0A 01331000+serial"	Label	Generic	Barcode Label	MECH3	1
R-560R-63mW-5%-0402	Resistor 560 ohm 63mW 5% 0402	Generic	560R-63mW-5%-0402	R1, R44, R45, R66, R67, R123, R138, R139, R140	9
R-24K-63mW-1%-0402	Resistor 24 Kohm 63mW 1% 0402	Generic	24k-63mW-1%-0402	R10, R22	2
R-56R-63mW-5%-0603	Resistor 56 ohm 63mW 5% 0603	Generic	56R-63mW-5%-0603	R107, R108, R113, R114	4
R-3.3K-63mW-1%-0402	Resistor 3.3 Kohm 63mW 1% 0402	Generic	3.3k-63mW-1%-0402	R12	1
R-40.2K-63mW-1%-0603	Resistor 40.2 Kohm 63mW 1% 0603	Generic	40.2K-63mW-1%-0603	R132	1
R-20K-63mW-1%-0603	Resistor 20 Kohm 63mW 1% 0603	Generic	20K-63mW-1%-0603	R133	1
R-47K-63mW-5%-0603	Resistor 47 Kohm 63mW 5% 0603	Generic	47K-63mW-5%-0603	R134	1
R-40.2K-63mW-1%-0402	Resistor 40.2 Kohm 63mW 1% 0402	Generic	40.2K-63mW-1%-0402	R143	1
R-20K-63mW-1%-0402	Resistor 20 Kohm 63mW 1% 0402	Generic	20K-63mW-1%-0402	R144	1
R-0R-63mW-1%-0603	Resistor 0 ohm 63mW 1% 0603	Generic Panasonic / Panasonic ECG	0R-63mW-1%-0603 ERJ-3GEY0R00V	R15, R28, R35, R53, R84, R87, R91, R97, R100, R137	10
R-100K-63mW-5%-0402	Resistor 100 Kohm 63mW 5% 0402	Generic	100K-63mW-5%-0402	R2, R3, R6, R11, R13, R17, R20, R26, R27, R30, R31, R32, R34, R37, R43, R48, R49, R51, R52, R57, R59, R65, R85, R88, R89, R116, R125, R146, R147	29
R-3.6K-63mW-1%-0402	Resistor 3.6 Kohm 63mW 1% 0402	Generic	3.6K-63mW-1%-0402	R23	1
R-470K-63mW-5%-0402	Resistor 470 Kohm 63mW 5% 0402	Generic	470K-63mW-5%-0402	R33, R124	2
R-470R-63mW-5%-0402	Resistor 470 ohm 63mW 5% 0402	Generic	470R-63mW-5%-0402	R38	1
R-4.7R-63mW-5%-0402	Resistor 4.7 ohm 63mW 5% 0402	Generic	4.7R-63mW-5%-0402	R4, R5, R16	3
R-10R-63mW-5%-0603	Resistor 10 ohm 63mW 5% 0603	Generic	10R-63mW-5%-0603	R40	1
R-1.8K-63mW-5%-0402	Resistor 1.8 Kohm 63mW 5% 0402	Generic	1.8K-63mW-5%-0402	R41, R42, R77, R78	4
R-22R-63mW-5%-0402	Resistor 22 ohm 63mW 5% 0402	Generic	22R-63mW-5%-0402	R46, R47, R79, R80, R82	5
R-1K-63mW-5%-0402	Resistor 1 Kohm 63mW 5% 0402	Generic	1K-63mW-5%-0402	R58	1
R-33K-63mW-5%-0402	Resistor 33 Kohm 63mW 5% 0402	Generic	33K-63mW-5%-0402	R60	1
R-68K-63mW-5%-0402	Resistor 68 Kohm 63mW 5% 0402	Generic	68K-63mW-5%-0402	R64, R61, R62, R63	4
R-0R-63mW-1%-0402	Resistor 0 ohm 63mW 1% 0402	Generic	0R-63mW-1%-0402	R7, R54, R55, R56, R73, R74, R75, R76, R81, R106, R112, R115, R145	13
R-150R-63mW-1%-0402	Resistor 150 ohm 63mW 1% 0402	Generic	150R-63mW-1%-0402	R70, R71	2

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Part Number	Description	Manufacturer	Manufacturer Part Number	Component Designators	Component Count
R-10K-63mW-5%-0402	Resistor 10 Kohm 63mW 5% 0402	Generic	10K-63mW-5%-0402	R18, R8, R19, R105, R111	5
R-15mR-250mW-1%-1206	Resistor 15 mohm 250mW 1% 1206	Generic	15mR-250mW-1%-1206	R9, R21	2
RA-22R-63mW-5%-4x0603	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, RA18, RA19, RA20, RA21, RA23, RA25, RA27, RA29	24
SW-E-Switch-TL3340AF160QG	Tactile Switches 50MA@12VDC 160G OF	E-Switch	TL3340AF160QG	SW1, SW2, SW3	3
T-Fairchild-FDS6982AS-N	N-Channel PowerTrench SyncFET	Fairchild Semiconductor	FDS6982AS-N	T1, T4	2
T-IR-IRLML6401PbF-SOT-23	P-Channel MOSFET, IRLML6401PbF	International Rectifier	IRLML6401PbF-SOT-23	T2	1
FET-N-CHANNEL-DUAL-SOT563	2x N-Channel MOSFET 20V	Diodes Inc. ON Semi Vishay	DMG1024UV-7 NTZD3154NT1G SI1024X-T1-E3	T3, T7, T12, T13, T14, T15	6
T-Diodes-DMP2022LSS-13-8-SOIC	P-Channel MOSFET Enhancement Mode	Diodes Inc.	DMP2022LSS-13	T5	1
T-Vishay-SI4447DY-T1-E3	P-Channel MOSFET, 40V (D-S)	Vishay	SI4447DY-T1-E3	T8, T10	2
T-Diodes-BSS138-7-F	N-Channel MOSFET Enhancement Mode	Diodes Inc. ON Semi	BSS138-7-F BSS138LT1G	T9, T11	2