Item	Quantity	Part Reference	Value	Description	Footprint	Manufacturer	Mfgr Part Number	TI Part Number	Vendor
1	1	A1	DNI OSD101T2045-53TS	LCD Display TFT 1900x1200 10.1in wCap Touchscrn	DNP	OSD Displays	OSD101T2045-53TS	4P9007	OSD Displays
2	2	C1,C2	24pF	Capacitor 24pF 50V 5% 0402	SM-7351-CAP-0402	Yageo	CC0402JRNPO9BN240	1C0128	Digikey
3	251	C3,C7,C8,C9,C10,C11,C12,C14,C15,C16,C17,C28,C29,C30,C31,C32,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C48,C49,C50,C51,C55,C56,C57,C58,C59,C60,C61,C62,C63,C65,C66,C67,C68,C69,C70,C71,C72,C73,C74,C75,C76,C77,C78,C79,C81,C105,C112,C113,C114,C115,C118,C120,C127,C130,C137,C139,C142,C144,C151,C152,C165,C169,C170,C171,C186,C190,C191,C192,C195,C207,C210,C214,C216,C219,C220,C221,C225,C226,C227,C228,C229,C230,C232,C233,C234,C235,C236,C238,C239,C240,C242,C248,C251,C255,C256,C257,C258,C261,C262,C263,C264,C267,C308,C309,C310,C315,C319,C321,C322,C324,C326,C327,C328,C329,C330,C331,C332,C334,C335,C336,C337,C338,C339,C341,C342,C343,C344,C345,C346,C348,C349,C351,C352,C353,C355,C356,C357,C358,C359,C360,C362,C363,C364,C365,C367,C368,C369,C370,C371,C372,C373,C374,C376,C377,C378,C379,C380,C381,C385,C386,C388,C389,C391,C394,C400,C401,C403,C404,C405,C406,C408,C409,C410,C420,C422,C423,C424,C425,C426,C427,C428,C429,C430,C443,C444,C448,C451,C453,C469,C470,C480,C481,C482,C485,C486,C487,C488,C489,C490,C491,C493,C494,C495,C496,C497,C498,C499,C500,C501,C502,C506,C507,C508,C509,C511,C512,C513,C514,C515,C516,C517,C518,C519,C520,C524,C547,C548,C550,C551,C552,C553,C564,C567,C569,C571,C572,C573,C574,C575,C576,C577	0.01uF	Capacitor 0.01uF 16V 10% 0402	SM-7351-CAP-0402	Kemet	C0402C103K4RACTU	1C0012	Digikey
4	28	C4,C5,C209,C265,C286,C287,C288,C289,C290,C291,C292,C293,C294,C295,C296,C297,C298,C299,C300,C350,C407,C442,C445,C446,C447,C484,C565,C568	1uF	Capacitor 1uF 10V Ceramic 10% 0402	SM-7351-CAP-0402	AVX	0402ZD105KAT2A	1C0084	Digikey
5	54	C6,C13,C22,C88,C91,C92,C95,C96,C97,C110,C125,C136,C149,C154,C156,C159,C161,C163,C168,C175,C177,C180,C182,C184,C189,C215,C222,C266,C305,C306,C307,C317,C320,C333,C340,C347,C354,C361,C375,C384,C387,C395,C396,C413,C414,C433,C458,C483,C532,C534,C535,C536,C540,C541	10uF	Capacitor 10uF 16V 10% Ceramic 0805	SM-7351-CAP-0805	AVX	0805YD106KAT2A	1C0085	Digikey
6	103	C20,C21,C44,C45,C46,C47,C53,C54,C80,C82,C83,C85,C87,C89,C90,C93,C94,C98,C99,C100,C102,C103,C104,C107,C108,C109,C111,C116,C117,C119,C122,C123,C124,C126,C128,C129,C132,C133,C134,C135,C138,C140,C141,C143,C145,C147,C148,C150,C153,C155,C160,C162,C164,C174,C176,C181,C183,C185,C211,C213,C245,C252,C313,C314,C390,C393,C415,C417,C436,C437,C438,C439,C454,C455,C456,C457,C460,C477,C478,C503,C504,C505,C521,C522,C523,C525,C526,C527,C528,C529,C530,C531,C537,C538,C539,C542,C549,C554,C555,C557,C559,C563,C566	0.1uF	Capacitor 0.1uF 16V 10% 0402 X7R	SM-7351-CAP-0402	Kemet	C0402C104K4RACT	1C0089	Digikey
7	4	C23,C316,C421,C459	1uF	Capacitor 1uF 50V 10% Ceramic 0603	SM-7351-CAP-0603	Taiyo Yuden	UMK107BJ105KA-T	1C0114	Digikey
8	5	C24,C411,C412,C440,C441	100uF	Capacitor 100uF 16V Polymer 20% smd can	SM-7351-CAP-smdcan	United Chemicon	APXE160ARA101MH70G	1C0096	Digikey
9	2	C25,C26	27pF	Capacitor Thin Film 27PF 10V 5% 0402	SM-7351-CAP-0402	Vishay/Electro-Films	RFCS04022700BJTT1	1C0120	Vishay
10	12	C27,C166,C167,C187,C188,C303,C304,C431,C432,C434,C449,C556	0.1uF	Capacitor 0.1uF 50V 10% 0402 X7R	SM-7351-CAP-0402	TDK	C1005X7R1H104K	1C0105	Digikey
11	7	C33,C52,C64,C418,C419,C492,C510	22uF	Capacitor 22uF 16V Ceramic 10% 0805	SM-7351-CAP-0805	TDK	C2012X5R1C226K125AC	1C0094	Digikey
12	7	C84,C86,C196,C543,C544,C558,C560	0.001uF	Capacitor 0.001uF 50V 5% 0402	SM-7351-CAP-0402	AVX	04025C102JAT2A	1C0093	Digikey
13	2	C101,C533	10pF	Capacitor 10pF 50V 1% Ceramic 0402	SM-7351-CAP-0402	AVX	04025U100FAT2A	1C0115	Digikey
14	4	C106,C121,C131,C146	4700pF	Capacitor 4700pF 50V 10% 0402 X7R	SM-7351-CAP-0402	Kemet	C0402C472K5RACTU	1C0111	Digikey
15	13	C157,C158,C178,C179,C268,C269,C270,C271,C276,C277,C278,C279,C280	47uF	Capacitor 47uF 10V Ceramic X5R 1206	SM-7351-CAP-1206	Murata	GRM31CR61A476ME15L	1C0152	Digikey
16	6	C172,C173,C193,C194,C243,C244	18pF	Capacitor Ceramic 18pF 50V 10% 0402	SM-7351-CAP-0402	TDK	CGA2B2C0G1H180J	1C0098	Mouser

Item	Quantity	Part Reference	Value	Description	Footprint	Manufacturer	Mfgr Part Number	TI Part Number	Vendor
17	8	C197,C198,C199,C200,C201,C202,C203,C204	0.022uF	Capacitor 0.022uF 16V 10% Ceramic 0402	SM-7351-CAP-0402	TDK	C1005X7R1C223K	1C0125	Digikey
18	11	C205,C208,C224,C464,C465,C466,C467,C468,C471,C472,C479	2.2uF	Capacitor 2.2uF 16V 10% 0805	SM-7351-CAP-0805	Kemet	C0805C225K4RACTU	1C0097	Digikey
19	2	C206,C435	10uF	Capacitor 10uF 50V 10% Ceramic 1206	SM-7351-CAP-1206	TDK	C3216X5R1H106K	1C0113	Digikey
20	16	C212,C217,C231,C237,C241,C272,C273,C274,C275,C281,C282,C283,C284,C285,C416,C546	4.7uF	Capacitor Ceramic 4.7uF 16V 10% 0603	SM-7351-CAP-0603	Taiyo Yuden	EMK107ABJ475KA-T	1C0103	Digikey
21	1	C218	4.7uF	Capacitor 4.7uF 50V 20% Ceramic smd	SM-7351-CAP-0805	TDK	C2012X5R1H475M	1C0108	Digikey
22	2	C223,C570	DNI	Capacitor 0.1uF 16V 10% 0402 X7R	SM-7351-CAP-0402	Kemet	C0402C104K4RACT	1C0089	Digikey
23	2	C246,C247	15pF	Capacitor Ceramic 15pF 50V 10% 0402	SM-7351-CAP-0402	Kemet	C0402C150J5GACTU	1C0087	Digikey
24	2	C249,C250	3.3uF	Capacitor 3.3uF 10V 10% 0603 X5R	SM-7351-CAP-0603	TDK	C1608X5R1A335	1C0086	Digikey
25	2	C253,C254	100pF25V10%	Capacitor 100pF 25V 10% 0402	SM-7351-CAP-0402	Kemet	C0402C101K3GACTU	1C0010	Digikey
26	9	C301,C302,C318,C382,C383,C392,C399,C402,C562	2.2uF	Capacitor 2.2uF Ceramic, 6.3V, X5R, 20%	SM-7351-CAP-0402	Taiyo Yuden	JMK105BJ225MV-F	1C0091	Digikey
27	2	C311,C545	150uF	Capacitor 150uF 10V 10% Tantalum Low ESR	SM-7351-CAP-2917	Kemet	B45197A2157K409	1C0110	Digikey
28	2	C323,C325	4.7uF	Capacitor 4.7uF 16V 20% Tantalum Low ESR	sm-7351-cap-0805	Nichicon	F951C475MRAAQ2	1C0109	Digikey
29	2	C450,C452	10uF	Capacitor 10uF 6.3V 20% Ceramic X5R 0603	SM-7351-CAP-0603	Murata	GRM188R60J106ME47D	1C0124	Digikey
30	2	C461,C462	10uF	Capacitor 10uF 35V 10% Ceramic 0805	SM-7351-CAP-0805	TDK	C2012JB1V106K085AC	1C0149	Digikey
31	1	C463	1.1nF	Capacitor 1.1nF 50V 5% Ceramic 0603	SM-7351-CAP-0603	Murata	GRM1885C1H112JA01D	1C0153	Digikey
32	3	C473,C474,C475	47uF	Capacitor 47uF 10V 10% Tantalum 2917	7343	AVX	TAJD476K010RNJ	1C0126	Digikey
33	1	C476	2.2uF	Capacitor 2.2uF 10V 20% Ceramic 0402	SM-7351-CAP-0402	Taiyo Yuden	LMK105BJ225MV-F	1C0123	Digikey
34	1	D1	SK1545	Diode Power Rectifier 15A Schottky Rev 45V	sk1545	Micro Commercial Co	SK1545-TP	_1E0014	Digikey
35	1	D2	SMCJ26CA	Voltage Surpressor 26.0V	SMCJ26CA	LittleFuse	SMCJ26CA	_1E0021	Digikey
36	2	D3,D4	MMSD103T1	Diode 200mA 250V 1.25V Forward Drop	sod-123	On Semiconductor	MMSD103T1G	_1E0013	Digikey
37	9	D5,D6,D7,D8,D9,D10,D11,D12,D13	Green LED	LED Green SMD 20mA 2V 0805	sm_led_0805	Dialight	598-8170-107F	1F0008	Digikey
38	2	D14,D15	MBR0520LT1	Diode 500mA 20V 0.3V Forward Drop	mbr0520L	On Semiconductor	MBR0520LT1	_1E0007	Newark
39	6	D16,D17,D18,D19,D22,D23	Red_Green_Yellow_LED	LED RedGreenYellow Tricolor 20mA 1.9/2.1V 1210 smd	LED-SM1210	Bivar	SM1210RGY	1F0012	Digikey
40	1	D20	PMEG2010	Diode Schottky 1A 20V Schottky	DFN1006D-2	NVP Semi	PMEG2010BELD315	_1E0027	Digikey
41	2	D24,D25	TLVH431	Adjustable Precision Shunt Regulator	sot23-3-44m	TI	TLVH431CDBZT		Digikey
42	8	FB1,FB2,FB3,FB4,FB5,FB6,FB7,FB8	600mAFB10ohm	Ferrite Bead 600mA 10ohm	HF70ACB201209	TDK	HF70ACB201209	1L0028	Digikey
43	3	FB9,FB10,FB11	220OHM2A	Ferrite Bead 220 Ohm 2A	sm-7351-ind-0603	TDK	MPZ1608S221A	1L0034	Digikey
44	3	FB12,FB13,FB19	150OHM800mA	Ferrite Bead 150 Ohm 800mA	sm-7351-ind-0805	Laird-Signal Integrity Products	LI0805H151R-10	1L0010	Digikey
45	1	F1	Fuse 8A	Fuse Block with 8A Fuse	fuse-0154	Littelfuse	0154008.DR	1P0007	Digikey
46	1	J1	Power Jack RAPC712	Jack Power Right Angle 2conductor 2.5mm center	RAPC712	Switchcraft	RAPC712X	2J0008	Digikey
47	1	J2	DNI Connector_Screwdown	Connector 2pin screw down 15A 300VAC blue	conn_osttc02	OnShore Technology	OSTTC022162	2C0094	Digikey
48	4	J3,J5,J6,J8	RJ-45 10_100Mb	Connector MagRJ-45 Jack w/LED 10_100Mb - Auto MDIX	CNRJ45-1X1WLED	Link	LPJ16183A28NL	2J0022	Link
49	3	J4,J7,J38	HEADER 5	Single Line Header 5pin Tin 0.1in pitch	HEADER_5X1	Sullins	PEC05SAAN	2H0018	Digikey
50	1	J9	HEADER 12x2	Dual Line Header 12x2pin Tin	hdr2x12	Sullins	PEC12DAAN	2H0073	Digikey
51	2	J10,J12	RJ-45 Gigabit	Connector RJ-45 Jack w/mag and LED Gigabit	CNRJ45-1X1WLED-598M	Link	LPJG16314A4NL	2J0019	Link
52	1	J14	Conn_DB9F	Connector DB9 Female RA SMD	NorComp_db9F_SMD	Norcomp	190-009-263R001	2C0086	Digikey
53	1	J15	SCHA5B0200	Connector compact low-profile Push Type Micro SD	SD-MICRO-SCHA5B0300	ALPS	SCHA5B0200	2C0102	Mouser
54	1	J16	XF2M-3215-1A	Connector 0.5mm pitch 32pin FFC top contacts	CNXF2M-3215-1A	Omron	XF2M-3215-1A	2C0131	Digikey
55	1	J17	XF2L-0625-1A	Connector 0.5mm pitch 6pin FFC top contacts	CNXF2L-0625-1A	Omron	XF2L-0625-1A	2C0130	Digikey
56	1	J18	MIPI JTAG 60pin	JTAG MIPI Connector QSH 60 pins	CNQSH030DA	Samtec	QSH-030-01-F-D-A	2C0129	Samtec
57	2	J19,J45	USB_MicroAB	Connector Micro USB AB RA	ZX62-AB-5PA	Hirose	ZX62-AB-5PA(11)	2C0088	Digikey
58	1	J21	Header_30x2_Female	Header Socket 30x2 2mm pitch Female	HDR2X30-2mm-177m	Sullins	NPPN302AFCN	2H0078	Digikey
59	1	J22	10018783-11000TLF	PCIE Connector Card Edge Type 36pin	CN_10018783-11000TLF	FCI	10018783-11000TLF	2C0127	Digikey
60	1	J23	USB3_0_StdA	Connector USB 3.0 Standard A RA	cn_lpaf3102nl	LinkPP	tbd	2C0135	Digikey
61	1	J24	HDMIConnA	Connector HDMI Type A RA	smd_hdmia_ra	FCI	10029449-001RLF	2C0085	Digikey
62	1	J37	Header 15x2 Female	Header 15x2 0.1in pitch female throughhole	HDR2X15-344M	FCI	66953-015LF	2H0067	Digikey
63	1	J39	HEADER 3	Single Line Header 3pin Tin 0.1in pitch	header_3x1	Sullins	PEC03SAAN	2H0001	Digikey
64	7	J40,J41,J42,J43,J47,J49,J50	HEADER 2	Single Line Header 2pin Tin 0.1in pitch	header_2x1	OnShoreTechnology	PH1-230/120-021	2H0000	Digikey
65	1	J44	DNI HEADER 2	Single Line Header 2pin Tin 0.1in pitch	header_2x1	OnShoreTechnology	PH1-230/120-021	2H0000	Digikey
66	1	J46	HEADER 4	Single Line Header 4pin Tin	HDR1x4-330M	Sullins	PEC04SAAN	2H0019	Digikey
67	1	L1	4.7uH	Inductor 4.7uH 30% smt 1.7A	vlcf5020t	TDK	VLCF5020T-4R7N1R7-1	1L0030	Digikey
68	1	L2	DA2304-AL	Power Transformer 45uH RS-485	DA2304	Coilcraft	DA2304-ALB	1L0037	Coilcraft
69	7	L3,L21,L24,L25,L26,L34,L35	NFM21PC474	EMI/RF Suppression Filter	FILT-NFM21PC	Murata	NFM21PC474R1C3D	1L0064	Digikey
70	2	L11,L33	ACM2012	Common Mode Filter for USB/HDMI	ACM2012H	TDK	ACM2012H-900-2P	1M0003	Arrow
71	9	L12,L13,L14,L15,L16,L17,L18,L19,L20	1uH	Inductor 1uH 20% smt 4.5A	ind_ihlp1616ab	VishayDale	IHLP1616ABER1R0M11	1L0063	Mouser
72	1	L22	4.7uH	Inductor 4.7uH 30% smt 3.1A	smd_slf7055t	TDK	SLF7055T-4R7N3R1-3PF	1L0033	Digikey
73	1	L28	3.3uH	Inductor 3.3uH smt 1.5A	vlcf5020t	Sumida	CDPH4D19FNP-3R3MC	1L0065	Digikey
74	4	L29,L30,L31,L32	DLW21SN900HQ2L	Common Mode Choke Coil 280mA	filt-dlw21s	Murata	DLW21SN900HQ2L	1M0005	Digikey
75	1	M1	Shunt0.1in	Shunt 0.1in pitch	DNP	TE Connectivity	382811-8	2H0027	Digikey
76	1	M2	DNI Shunt0.1in	Shunt 0.1in pitch	DNP	TE Connectivity	382811-8	2H0027	Digikey

Item	Quantity	Part Reference	Value	Description	Footprint	Manufacturer	Mfgr Part Number	TI Part Number	Vendor
77	1	PCB1	AM572x Industrial EVM Bare PCB	AM572x Industrial EVM Bare PCB	DNP	TI	3M0001	3M0001	TI
78	20	Q1,Q2,Q3,Q4,Q5,Q6,Q9,Q10,Q11,Q12,Q13,Q14,Q15,Q16,Q20,Q21,Q22,Q23,Q24,Q25	BSS138	MOSFET Nchan 50V 200mA	SOT23-3	Diodes Inc.	BSS138-7-F	1Q0019	Digikey
79	2	Q7,Q8	FDT434P	MOSFET Pchan -20V 6A	SOT223-4	Fairchild	FDT434P	1Q0024	Digikey
80	2	Q26,Q27	MMBT2907A	TRANS GP PNP 60V .6A	sot23-3-44m	ON Semi	MMBT2907AWT1G		Digikey
81	93	R2,R10,R18,R22,R32,R33,R34,R35,R37,R38,R39,R40,R45,R48,R107,R149,R153,R190,R233,R259,R299,R301,R306,R309,R343,R345,R352,R353,R364,R366,R397,R398,R399,R400,R401,R412,R417,R420,R425,R430,R431,R432,R453,R456,R457,R458,R459,R460,R462,R463,R464,R465,R466,R467,R485,R494,R496,R539,R542,R543,R544,R545,R546,R548,R549,R551,R553,R570,R571,R637,R644,R645,R649,R654,R741,R785,R786,R790,R791,R798,R799,R800,R808,R810,R811,R814,R895,R899,R902,R912,R913,R914,R917	10K	Resistor 10Kohm 1/16W 5% 0402	SM-7351-RES-0402	Rohm	MCR01MZPJ103	1R0168	Digikey
82	28	R3,R276,R281,R282,R283,R284,R285,R286,R287,R288,R289,R290,R291,R292,R325,R326,R327,R328,R329,R330,R331,R332,R333,R334,R335,R336,R426,R903	22	Resistor 22 ohm 1/16W 1% 0402	SM-7351-RES-0402	ROHM	MCR01MZPF22R0	1R0175	Digikey
83	5	R4,R305,R349,R812,R813	1M	Resistor 1Mohm 1/16W 1% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402FT1M00	1R0182	Digikey
84	293	R5,R6,R7,R8,R9,R13,R14,R15,R19,R20,R23,R24,R25,R26,R27,R28,R29,R30,R31,R67,R77,R78,R83,R86,R89,R93,R96,R98,R106,R112,R114,R115,R117,R118,R119,R121,R122,R134,R140,R142,R151,R154,R160,R161,R162,R163,R164,R165,R166,R167,R168,R169,R170,R171,R172,R173,R174,R175,R176,R177,R178,R179,R181,R188,R189,R195,R196,R197,R198,R199,R202,R203,R204,R205,R206,R207,R208,R209,R210,R211,R212,R213,R214,R215,R216,R217,R219,R221,R223,R230,R231,R234,R241,R243,R247,R248,R253,R254,R257,R258,R260,R261,R262,R263,R264,R265,R267,R269,R271,R273,R274,R275,R277,R294,R295,R308,R312,R314,R338,R339,R351,R367,R369,R371,R377,R380,R381,R385,R387,R393,R394,R402,R403,R404,R405,R406,R407,R409,R410,R411,R416,R418,R428,R451,R473,R474,R475,R476,R477,R478,R480,R481,R482,R483,R486,R487,R489,R492,R497,R499,R514,R550,R554,R555,R557,R558,R559,R564,R565,R566,R567,R568,R569,R572,R573,R574,R575,R576,R582,R583,R584,R585,R586,R587,R588,R590,R593,R594,R598,R600,R605,R606,R607,R608,R609,R610,R611,R612,R613,R614,R615,R616,R617,R618,R619,R620,R621,R622,R623,R624,R625,R626,R627,R628,R634,R635,R636,R638,R643,R652,R653,R657,R658,R659,R660,R661,R662,R663,R664,R665,R666,R669,R670,R671,R672,R673,R674,R675,R676,R677,R678,R679,R682,R683,R684,R685,R686,R688,R689,R690,R691,R692,R694,R698,R701,R703,R707,R710,R732,R733,R734,R735,R736,R737,R738,R739,R740,R742,R744,R782,R783,R792,R793,R794,R795	0	Resistor Zero ohm Jumper 0402	SM-7351-RES-0402	Panasonic	ERJ-2GE0R00X	1R0098	Digikey
85	16	R11,R429,R580,R581,R630,R631,R632,R633,R650,R655,R687,R729,R730,R731,R788,R916	100	Resistor 100ohm 1/10W 1% 0402	SM-7351-RES-0402	Panasonic	ERJ-2RKF1000X	1R0246	Digikey
86	10	R16,R17,R21,R304,R317,R319,R321,R348,R361,R363	1K	Resistor 1Kohm 1/16W 5% 0402	SM-7351-RES-0402	Panasonic	ERJ-2GEJ102X	1R0027	Digikey
87	2	R36,R648	18.2K	Resistor 18.2Kohm 1/16W 1% 0402	SM-7351-RES-0402	Vishay Dale	CRCW040218K2FKED	1R0311	Digikey
88	5	R41,R42,R44,R754,R755	240	Resistor 240 ohm 1/16W 1% 0402	sm-7351-res-0402	Stackpole Electronics	RMCF0402FT240R	1R0219	Digikey
89	20	R46,R47,R99,R100,R101,R102,R143,R144,R145,R146,R182,R183,R184,R185,R224,R225,R226,R227,R780,R781	49.9	Resistor 49.9ohm 1/16W 1% 0402	SM-7351-RES-0402	Panasonic	ERA-2AEB49R9X	1R0171	Digikey
90	50	R49,R50,R51,R52,R53,R54,R55,R57,R58,R59,R60,R61,R62,R63,R64,R65,R66,R68,R70,R71,R72,R73,R74,R75,R756,R757,R758,R759,R760,R761,R762,R763,R764,R765,R766,R767,R768,R769,R770,R771,R772,R773,R774,R775,R776,R777,R778,R779,R806,R807	47	Resistor 47ohm 1/16W 1% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402FT47R0	1R0252	Digikey

Item	Quantity	Part Reference	Value	Description	Footprint	Manufacturer	Mfgr Part Number	TI Part Number	Vendor
91	25	R56,R245,R246,R251,R252,R255,R256,R280,R324,R419,R515,R577,R578,R591,R592,R595,R597,R599,R695,R697,R700,R704,R706,R709,R782	100K	Resistor 100Kohm 1/16W 1% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402FT100K	1R0181	Digikey
92	3	R69,R413,R784	10	Resistor 10ohm 1/16W 5% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402JT10R0	1R0251	Digikey
93	31	R76,R104,R108,R109,R110,R111,R116,R120,R131,R152,R155,R156,R157,R158,R159,R187,R191,R192,R193,R194,R200,R201,R232,R235,R236,R237,R238,R383,R384,R495,R579	2.2K	Resistor 2.2Kohm 1/16W 5% 0402	sm-7351-res-0402	VishayDale	CRCW04022K20JNED	1R0169	Digikey
94	76	R79,R80,R81,R82,R84,R85,R87,R88,R90,R91,R92,R94,R95,R105,R123,R124,R125,R126,R127,R128,R129,R130,R132,R133,R135,R136,R137,R139,R148,R150,R220,R300,R356,R358,R500,R547,R711,R712,R713,R714,R715,R716,R717,R718,R719,R720,R721,R722,R723,R724,R725,R726,R727,R728,R746,R747,R748,R749,R750,R751,R752,R753,R905,R906,R907,R908,R909,R910,R911,R915,R918,R919,R927,R930,R932,R934	DNI	Resistor Zero ohm Jumper 0402	SM-7351-RES-0402	Panasonic	ERJ-2GE0R00X	1R0098	Digikey
95	11	R97,R138,R141,R180,R218,R222,R278,R322,R472,R656,R742	0	Resistor Zero ohm Jumper 0603	SM-7351-RES-0603	Panasonic	ERJ-3GEY0R00V	1R0096	Digikey
96	4	R103,R147,R186,R228	4.87K	Resistor 4.87Kohm 1/16W 1% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402FT4K87	1R0275	Digikey
97	1	R113	62,1%	Resistor 62ohm 1/16W 1% 0402	sm-7351-res-0402	Rohm	MCR01MZPF62R0	1R0205	Digikey
98	23	R239,R240,R242,R244,R249,R250,R293,R296,R337,R340,R493,R589,R596,R601,R602,R603,R604,R693,R696,R699,R702,R705,R708	220	Resistor 220ohm 1/10W 1% 0402	SM-7351-RES-0402	Panasonic	ERJ-2RKF2200X	1R0176	Digikey
99	1	R279	1.5K	Resistor 1.5Kohm 1/16W 5% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402JT1K50C	1R0188	Digikey
100	8	R297,R342,R422,R423,R433,R450,R484,R491	4.7K	Resistor 4.7Kohm 1/16W 5% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402JT4K70	1R0183	Digikey
101	2	R298,R341	12.1K, 1%	Resistor 12.1K OHM 1/16W 1% 0402 SMD	SM-7351-RES-0402	Yageo	RC0402FR-0712K1L	1R0247	Digikey
102	8	R310,R313,R315,R354,R357,R359,R502,R504	33	Resistor 33ohm 1/16W 5% 0402	SM-7351-RES-0402	Panasonic	ERJ-2GEJ330X	1R0008	Digikey
103	8	R368,R370,R372,R373,R374,R375,R376,R378	1.2K, MELF	Resistor 1.2Kohm 1/3W 1% MELF0102	smd_melf0102	Vishay	MMU01020C1201FB300	1R0265	Digikey
104	1	R379	49.9	MELF Resistor 49.9ohm 1/3W 1% MELF0102	smd_melf0102	Vishay	MMU01020C4999FB300	1R0243	Digikey
105	1	R382	25K	Resistor 25Kohm 1/10W 0.1% 0603	SM-7351-RES-0603	Vishay	PNM0603E2502BST5	1R0223	Digikey
106	8	R386,R388,R389,R390,R391,R392,R395,R396	150	Resistor 150ohm 1/16W 5% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402JT150R	1R0179	Digikey
107	1	R408	470K	Resistor 470Kohm 1/16W 1% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402FT470K	1R0190	Digikey
108	1	R414	47K	Resistor 47Kohm 1/16W 1% 0402	SM-7351-RES-0402	Vishay	CRCW040247K0FKED	1R0226	Digikey
109	1	R415	2.0, 1%	Resistor 2.0 ohm 1/10W 1% 0603	SM-7351-RES-0603	Yageo	RC0603FR-072RL	1R0257	Digikey
110	11	R421,R454,R455,R461,R468,R498,R561,R804,R805,R896,R900	DNI	Resistor 10kohm 1/16W 5% 0402	SM-7351-RES-0402	Rohm	MCR01MZPJ103	1R0168	Digikey
111	1	R424	1.62M	Resistor 1.62Mohm 1/16W 1% 0402	SM-7351-RES-0402	Vishay/Dale	CRCW04021M62FKED	1R0210	Digikey
112	1	R427	180K	Resistor 180Kohm 1/16W 1% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402JT180K	1R0209	Digikey
113	12	R434,R437,R438,R439,R440,R441,R443,R444,R445,R446,R447,R448	DNI	Resistor 18kohm 1/10W 1% 0402	SM-7351-RES-0402	Panasonic	ERJ-2RKF1802X	1R0284	Digikey
114	4	R435,R436,R442,R449	18K	Resistor 18Kohm 1/10W 1% 0402	SM-7351-RES-0402	Panasonic	ERJ-2RKF1802X	1R0284	Digikey
115	1	R479	12K, 1%	Resistor 12Kohm 1/16W 1% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402JT12K0	1R0245	Digikey
116	1	R503	120	Resistor 120ohm 1/16W 1% 0402	SM-7351-RES-0402	Vishay_Dale	CRCW0402120RFKED	1R0244	Digikey
117	9	R505,R506,R507,R508,R509,R510,R511,R512,R513	49.9K	Resistor 49.9Kohm 1/16W 1% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402FT49K9	1R0227	Digikey
118	2	R556,R563	DNI	Resistor 2.2Kohm 1/16W 5% 0402	sm-7351-res-0402	VishayDale	CRCW04022K20JNED	1R0169	Digikey
119	2	R560,R562	DNI	Resistor 4.7Kohm 1/16W 5% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402JT4K70	1R0183	Digikey
120	2	R639,R801	0.05ohm1% Sense	Resistor 0.05ohm 0.5W Sense 1% 1206	SM_RES_LVK12	Ohmite	LVK12R050FER	1R0189	Digikey
121	1	R640	0.047ohm1% Sense	Resistor 0.047ohm 0.5W Sense 1% 1206	SM_RES_LVK12	Ohmite	LVK12R047FER	1R0316	Digikey
122	1	R641	0.015ohm0.5% Sense	Resistor 0.015ohm 0.5W Sense 0.5% 1206	SM_RES_LVK12	Ohmite	LVK12R015DER	1R0314	Digikey
123	1	R642	0.024ohm0.5% Sense	Resistor 0.024ohm 0.5W Sense 0.5% 1206	SM_RES_LVK12	Ohmite	LVK12R024FER	1R0315	Digikey
124	1	R646	51K	Resistor 51Kohm 1/16W 1% 0402	SM-7351-RES-0402	Stackpole Electronics	RMCF0402FT51K0	1R0172	Digikey
125	1	R647	158K	Resistor 158Kohm 1/16W 1% 0402	SM-7351-RES-0402	Vishay Dale	CRCW0402158KFKED	1R0310	Digikey
126	1	R680	10K, 1%	Resistor 10Kohm 1/10W 1% 0402	SM-7351-RES-0402	Panasonic-ECG	ERJ-2RKF1002X	1R0254	Digikey
127	1	R681	19.6K	Resistor 19.6Kohm 1/16W 1% 0402	SM-7351-RES-0402	Stackpole	RMCF0402FT19K6	1R0312	Digikey
128	1	R793	20.5K	Resistor 20.5Kohm 1/16W 1% 0402	SM-7351-RES-0402	Panasonic	ERJ-2RKF2052X	1R0293	Digikey
129	2	R894,R898	499	Resistor 499ohm 1/16W 1% 0402	SM-7351-RES-0402	Rohm	MCR01MZPF4990		Digikey
130	2	R897,R901	40.2K	Resistor 40.2Kohm 1/16W 1% 0402	SM-7351-RES-0402	Rohm	MCR01MZPF4022		Digikey
131	1	R928	DNI	Resistor 20.5Kohm 1/16W 1% 0402	SM-7351-RES-0402	Panasonic	ERJ-2RKF2052X	1R0293	Digikey
132	1	R929	DNI	Resistor 18.2Kohm 1/16W 1% 0402	SM-7351-RES-0402	Vishay Dale	CRCW040218K2FKED	1R0311	Digikey
133	1	SCKT1	DNI AM57XX ABC Socket	Socket for AM57XX 23mmx23mm ZDN Package	SCK-SG-BGA-6334	Ironwood	SG_BGA_6334	2S0013	Ironwood
134	3	SW1,SW2,SW3	B3SL	Switch Push Button tactile NO	SW_B3SL-1022P	Omron	B3SL-1022P	2W0018	Digikey

Item	Quantity	Part Reference	Value	Description	Footprint	Manufacturer	Mfgr Part Number	TI Part Number	Vendor
135	5	TP1,TP8,TP9,TP10,TP11	TP	Testpoint Miniature Through Hole	TH_TP_5002	Keystone Electronics	5002	2H0026	Digikey
136	13	TP2,TP3,TP6,TP7,TP16,TP17,TP18,TP19,TP20,TP21,TP22,TP23,TP24	TP1mm	Testpoint SMD 1mm circle pad	tp_smd1mmcircle	N/A	N/A	2H0046	N/A
137	1	U1	AM5728BABCXEA	Dual Cortex A15 Dual C66X SOC AM572x	BGA23X23-760-117M	TI	AM5728BABCXEA	1A0403	TI
138	8	U2,U22,U26,U28,U35,U78,U96,U97	SN74LVC1G07	Driver Open Drain output	u_5_dck	TI	SN74LVC1G07DCK	1A0269	Digikey
139	1	U3	TPS6590375ZWSR	Power Management Unit	bga12x12-169-55m	TI	TPS6590375ZWSR	1A0414	Digikey
140	1	U4	S25FL256S	Quad Serial NOR Flash Memory 256Mb 3.3V	soic_16pin_dw	Spansion	S25FL256SAGMFIR01	1A0407	Spansion
141	5	U5,U6,U7,U90,U91	MT41K256M16HA	DDR3 SDRAM 4Gb (256Mx16) 1.35V	bga9x14-96	Micron	MT41K256M16HA-125	1A0363	Arrow
142	2	U8,U92	TPS51200	DDR Termination Regulator SinkSource	drcpso_10pin	TI	TPS51200DRC	1A0297	Digikey
143	4	U9,U13,U15,U17	TLK105L	Industrial Ethernet 10/100 Mb/s PHY Transceiver	qfn5x5-32-39m	TI	TLK105LRHB	1A0393	Digikey
144	1	U18	PicoHaptics 304-100	Haptics Vibrator 3V 15000 RPM	pico_304-100	PrecisionMicroDrive	304-100	1G0005	tbd
145	1	U19	SN74LVC1G04	Inverter	SC70-5-43M	TI	SN74LVC1G04DCK	1A0288	Digikey
146	2	U21,U24	KSZ9031RN	Gb Ethernet Transceiver PHY	qfn7x7-48	Micrel	KSZ9031RNX	1A0344	Digikey
147	2	U23,U25	CDCE913	Programmable 1-PLL VCXO Clock Synthesizer	TSSOP5X4-14-47M	TI	CDCE913PWR	1A0326	Digikey
148	1	U30	TPD6E001	ESD Protection Array 6Chan +-15kV	U_10_RSE	TI	TPD6E001RSE	1A0248	Digikey
149	1	U32	TPS61081DRC	Regulator WLED Driver 1.3A	u_10_drc	TI	TPS61081DRC	1A0270	Digikey
150	1	U33	CAT24C256W	EEPROM 256Kb I2C SOIC8	SOIC_8	On Semiconductor	CAT24C256WI-G	1A0225	Digikey
151	1	U34	SN74LVC1G00DCK	Single Two input positive NAND	U_5_DCK	TI	SN74LVC1G00DCK	1A0300	Digikey
152	1	U36	TPD2E001	ESD Protection Array 2Chan +-15kV	U_5_DRL	TI	TPD2E001DRL	1A0247	Digikey
153	1	U37	FT2232HL	USBHS Dual UART/FIFO	LQFP64pin	FTDI	FT2232HL-REEL	1A0294	Digikey
154	1	U38	93LC56B	E2PROM 2Kbit 3Mhz Memory	SOIC_8	Microchip	93LC56B-I/SN	1A0293	Digikey
155	2	U39,U47	DNI SN74LVC1G07	Driver Open Drain output	u_5_dck	TI	SN74LVC1G07DCK	1A0269	Digikey
156	1	U40	R1Z-3.305HP	Isolated DC to DC Converter 5V out	smd15x11-6-374m	Recom	R1Z-3.305/HP	1A0216	Digikey
157	1	U41	ISO1050	Isolated CAN Transceiver	so9x6-8-191m	TI	ISO1050DUB	1A0214	Digikey
158	1	U43	EMMC16G	eMMC 16GB NAND Flash	BGA11X13-153-39M	Micron	MTFC16GAKAECN-2M WT		MICRON
159	1	U44	74LVC1G125	Single Bus Buffer with 3State Output	SC70-5-43M	TI	SN74LVC1G125DCK	1A0209	Digikey
160	1	U45	CDCM9102	Low Noise 2Chan 100MHz Clock Generator	qfn5x5-32ti-39m	TI	CDCM9102RHB	1A0406	Digikey
161	1	U46	TPD12S016	HDMI ESD Protection and Load Switch	pw_24pin_tssop	TI	TPD12S016PW	1A0244	Digikey
162	10	U48,U49,U50,U80,U81,U82,U83,U84,U87,U88	TPD1E10B06	ESD Protection Device 1Chan +-30kV	tpd1e10b06-2l	TI	TPD1E10B06DPY	1A0397	Digikey
163	1	U52	TPS76650	Low Dropout Voltage Regulator 250mA Low Q Current	soic_8	TI	TPS76650D	1A0284	Digikey
164	1	U62	TPS63010	Buck-Boost Converter with 2A Switches	u_20_dsbga	TI	TPS63010YFF	1A0287	Digikey
165	1	U63	SN74AVC4T245	Bus Transceiver 4bit Voltage Translator	U_16_PW	TI	SN74AVC4T245PW	1A0245	Digikey
166	1	U64	TPD2EUSB30	2channel ESD Protection for USB 3.0	SOT1X1-3-20M	TI	TPD2EUSB30DRT	1A0427	TI
167	2	U65,U75	SN74AVC2T244	2bit Undirectional Voltage Translator	son2x1-8-16m	TI	SN74AVC2T244DQM	1A0388	Digikey
168	1	U66	TPS2065D	Power Distribution Switch Current Limited	U_8_D	TI	TPS2065D	1A0275	Digikey
169	6	U68,U69,U70,U71,U85,U98	SN74LVC1G08	Single logic AND Gate	sm-so-sc70-5	TI	SN74LVC1G08DCK	1A0257	Digikey
170	1	U72	SN65HVS882	Industrial 8digit Input Serializer	u_28_pwp	TI	SN65HVS882PWP	1A0234	Digikey
171	1	U73	TPIC2810	8bit LED Driver with I2C Interface	u_16_d	TI	TPIC2810D	1A0282	Digikey
172	1	U74	ISO1176T	Isolated Profibus RS-485 Transceiver	u_16_dw	TI	ISO1176TDW	1A0239	Digikey
173	1	U76	TPS71712	Low Dropout 1.2V 150mA Linear Regulator	smdsc70-5	TI	TPS71712DCK	1A0254	Digikey
174	1	U77	SN65HVD78D	RS-485 Transceiver with ESD protection	soic_8	TI	SN65HVD78D	1A0383	Digikey
175	1	U79	TPS61085	Step Up Converter 2.8 to 18.5V	MSOP3X3-8-43M	TI	TPS61085DGK	1A0409	Digikey
176	1	U86	LP38693ADJ	LDO 500mA Linear Regulator Adjustable	SOT-223-5	TI	LP38693MADJ/NOPB	1A0410	Digikey
177	1	U89	TC358778	Display Interface Video Parallel to MIPI	BGA7X7-80-39M	Toshiba	TC358778XBG	1A0413	Avnet
178	1	U93	TPD4S012	ESD 4channel USB Interface	U_6_DRY	TI	TPD4S012DRY	1A0233	Digikey
179	1	U94	TPS2051BD	Power Distribution Switch Current Limited 500mA	U_8_D	TI	TPS2051BD	1A0286	Digikey
180	1	U95	TPD4E05U06	ESD Protection Device 2 DiffPair Chan +-15kV	USON2X1-10-22M	TI	TPD4E05U06DQA	1A0421	Digikey
181	1	X1	20.000 MHZ	Oscillator 20MHz 50ppm SMD7x5 3.3V	OSC7X5-71M	CTS	CB3LV-3C-20M000		Digikey
182	1	Y1	20MHz	Crystal 20MHz 30ppm Tol 0-70deg	XTAL2X3-30M	Suntsu	SCM18B-20.000MHz TR	1Y0048	Suntsu Inc
183	1	Y2	16.384MHz	Crystal 16.384MHz 30ppm/50ppm load cap 18pF	xtal3225-39m	Citizen	403C35D16M38400	1Y0047	Digikey
184	2	Y3,Y4	25MHz	Crystal 25MHz	SM_OSC_ABM3	Abracon	ABM3-25.000MHz-B2-T	1Y0030	Digikey
185	1	Y5	12MHz	Crystal 12MHz 30ppm load cap 18pF	SM_OSC_ABM3	Abracon	ABM3-12.000MHz-D2Y-T	1Y0036	Digikey
186	1	Y6	32.768KHz MC-306	Crystal 32.768KHz	MC-306	Epson	MC-30632.7680k-A	1Y0029	Digikey
187	1	Y7	25MHz	Oscillator 25MHz 50ppm SMD 3.3V	asf_smd3_2x5mm	Abracon	ASFL1-25.000MHZ-EC-T	1Y0032	Digikey

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