

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

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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 Suppressor 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_hdmla_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

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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,R743,R744,R783,R787,R789,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	Abrakon	ABM3-25.000MHz-B2-T	1Y0030	Digikey
185	1	Y5	12MHz	Crystal 12MHz 30ppm load cap 18pF	SM_OSC_ABM3	Abrakon	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	Abrakon	ASF11-25.000MHZ-EC-T	1Y0032	Digikey

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Only those TI components that TI has specifically designated as military grade or "enhanced plastic" are designed and intended for use in military/aerospace applications or environments. Buyer acknowledges and agrees that any military or aerospace use of TI components that have **not** been so designated is solely at Buyer's risk, and Buyer is solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI has specifically designated certain components as meeting ISO/TS16949 requirements, mainly for automotive use. In any case of use of non-designated products, TI will not be responsible for any failure to meet ISO/TS16949.