

TIDEP0064

Capture CIS Standard Bill Of Materials - Standard Report

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Final

Doc = am437x\_industrial\_evm\_3k0008.dsn

RevCode = 1.3A

Title = AM437x Industrial EVM

Item Num	Quantity	Part Reference	Value	DescriptiveText	Mfr	MfrNum	TIIntPartnum	Vendor	Version
1	1	A1	OV2659_Module	Camera Module 2Mp OV2659 CMOS	SunnyOptics	P212A	4P0040	TI	
2	14	C1 C51 C67 C88 C96	0.1uF	Capacitor 0.1uF 50V 10% 0402 X7R	TDK	C1005X7R1H104K	1C0105	Digikey	
3	29	C2 C21 C22 C28 C31	10uF	Capacitor 10uF 16V 10% Ceramic 0805	AVX	0805YD106KAT2A	1C0085	Digikey	
4	8	C3 C4 C5 C6 C7 C8 C9	0.022uF	Capacitor 0.022uF 35V 10% X7R Ceramic 0402	TDK	C1005X7R1V223K050BB	1C0154	Digikey	
5	5	C11 C46 C72 C75 C8	2200pF	Capacitor 2200pF 50V 10% 0402 X7R	Kemet	C0402C222K5RACTU	1C0107	Digikey	
6	7	C12 C45 C70 C74 C8	10uF	Capacitor 10uF 35V 10% Ceramic 0805	TDK	C2012JB1V106K085AC	1C0149	Digikey	
7	158	C13 C14 C15 C16 C1	0.01uF	Capacitor 0.01uF 16V 10% 0402	Kemet	C0402C103K4RACTU	1C0012	Digikey	
8	8	C19 C71 C151 C186	1uF	Capacitor 1uF 10V Ceramic 10% 0402	AVX	0402ZD105KAT2A	1C0084	Digikey	
9	2	C23 C303	10uF	Capacitor 10uF 50V 10% Ceramic 1206	TDK	C3216X5R1H106K	1C0113	Digikey	
10	39	C26 C38 C55 C57 C6	0.1uF	Capacitor 0.1uF 16V 10% 0402 X7R	Kemet	C0402C104K4RACT	1C0089	Digikey	
11	3	C27 C131 C271	220uF	Capacitor 220uF 16V 10% Tantalum	Kemet	T491D227K016AT	1C0144	Capacitors	
12	2	C35 C36	24pF	Capacitor 24pF 50V 5% 0402	TDK	C1005C0G1H240J	1C0128	Digikey	
13	2	C49 C50	47uF	Capacitor 47uF 16V Ceramic X5R 1206	TDK	C3216X5R1C476M	1C0101	Digikey	
14	13	C54 C56 C109 C110	0.001uF	Capacitor 0.001uF 50V 5% 0402	AVX	04025C102JAT2A	1C0093	Digikey	
15	4	C68 C348 C349 C350	47nF	Capacitor 47nF 25V 10% Ceramic 0402	TDK	C1005X7R1E473K050BC	1C0148	Digikey	
16	7	C80 C102 C124 C175	22uF	Capacitor 22uF 16V Ceramic 10% 0805	TDK	C2012X5R1C226K125AC	1C0094	Digikey	
17	7	C83 C84 C286 C309	180pF	Capacitor 180pF 50V 5% Ceramic 0402	Murata	GRM1555C1H181JA01D	1C0139	Digikey	
18	10	C85 C86 C91 C93 C1	100pF 25V 10%	Capacitor 100pF 25V 10% 0402	Kemet	C0402C101K3GACTU	1C0010	Digikey	
19	3	C87 C100 C293	0.47uF	Capacitor 0.47uF 16V 10% 0402 X7R	Murata	GRM155F51C474ZA01D	1C0102	Digikey	
20	6	C98 C118 C171 C262	1uF	Capacitor 1uF 50V 10% Ceramic 0603	Taiyo Yuden	UMK107BJ105KA-T	1C0114	Digikey	
21	1	C108	10pF	Capacitor 10pF 50V 1% Ceramic 0402	AVX	04025U100FAT2A	1C0115	Digikey	
22	5	C115 C120 C245 C255	4.7uF	Capacitor Ceramic 4.7uF 16V 10% 0603	Taiyo Yuden	EMK107ABJ475KA-T	1C0103	Digikey	
23	3	C128 C138 C228	2.2uF	Capacitor 2.2uF 16V 10% 0805	Kemet	C0805C225K4RACTU	1C0097	Digikey	
24	4	C129 C130 C255 C265	18pF	Capacitor Ceramic 18pF 50V 10% 0402	TDK	CGA2B2C0G1H180J	1C0098	Mouser	
25	2	C132 C133	2.2uF	Capacitor 2.2uF 6.3V Ceramic 10% 0603	Kemet	C0603C225K9PACTU	1C0088	Digikey	
26	3	C135 C243 C248	15pF	Capacitor Ceramic 15pF 50V 10% 0402	Kemet	C0402C150J5GACTU	1C0087	Digikey	
27	2	C137 C188	4700pF	Capacitor 4700pF 50V 10% 0402 X7R	Kemet	C0402C472K5RACTU	1C0111	Digikey	
28	2	C144 C165	10uF	Capacitor 10uF 6.3V 20% Ceramic X5R 0603	Murata	GRM188R60J106ME47D	1C0124	Digikey	
29	2	C322 C340	100uF	Capacitor 100uF 35V Polymer 20% smd can	United Chemicon	EMVA350ADA101MF80G	1C0150	Digikey	
30	5	D1 D11 D13 D14 D15	MBR0530T1	Diode 500mA 30V 0.3V Forward Drop	On Semiconductor	MBR0530T1	1E0005	Newark	
31	10	D2 D3 D4 D5 D6 D7	Green LED	LED Green SMD 20mA 3.2V 0805	Dialight	598-8170-107F	1F0008	Digikey	
32	1	D15	Red LED	LED Red SMD 20mA 2V 0805	Dialight	598-8110-107F	1F0009	Digikey	
33	3	D17 D19 D22	MBRS140T	Diode 1A 40V 600mV Forward Drop	On Semiconductor	MBSR140T3G	1E0017	Digikey	

34	2 D18 D21	SMCJ26CA	Voltage Suppressor 26.0V	LittleFuse	SMCJ26CA	1E0021	Digikey
35	1 D20	MMSD103T1	Diode 200mA 250V 1.25V Forward Drop	On Semiconductor	MMSD103T1G	1E0013	Digikey
36	1 F1	Fuse 4A	Fuse Block with 4A Fuse	Littelfuse	0154004.DRT	1P0004	Digikey
37	10 FB1 FB6 FB7 FB8 FB9	150OHM800mA	Ferrite Bead 150 Ohm 800mA	Laird-Signal Integrity	LI0805H151R-10	1L0010	Digikey
38	4 FB2 FB3 FB4 FB5	600mAFB10ohm	Ferrite Bead 600mA 10ohm	TDK	HF70ACB201209	1L0028	Digikey
39	3 FB13 FB15 FB16	220OHM2A	Ferrite Bead 220 Ohm 2A	TDK	MPZ1608S221A	1L0034	Digikey
40	1 J1	Header 20x2 Female	Header 20x2 0.1in pitch female throughhole	FCI	66953-020LF	2H0068	Digikey
41	1 J2	HEADER 3	Single Line Header 3pin Tin 0.1in pitch	Sullins	PEC03SAAN	2H0001	Digikey
42	1 J3	HEADER 5x2	Dual Line Header 5x2pin Tin	Sullins	PEC05DAAN	2H0012	Digikey
43	1 J4	RJ-45 Gigabit	Connector RJ-45 Jack w/mag and LED Gigabit	Link	LPJG16314A4NL	2J0019	Link
44	1 J5	AXK7L24223G	FPC Type Connector 24pin 0.4mm pitch socket	Panasonic	AXK7L24223G	2C0113	Digikey
45	2 J6 J9	RJ-45 10_100Mb	Connector MagRJ-45 Jack w/LED 10_100Mb - Auto ML	Link	LPJ16183A28NL	2J0022	Link
46	1 J7	CTI JTAG	Dual Line Header 10x2pin Tin	Samtec	FTR-110-03-G-D-06	2H0039	Samtec
47	2 J8 J11	HEADER 2	Single Line Header 2pin Tin 0.1in pitch	OnShoreTechnology	PH1-230/120-021	2H0000	Digikey
48	1 J10	43-01028	M12 Connector EnDAT 8pin female	Conec	43-01028	2C0125	Conec
49	1 J12	Power Jack RAPC722X	Jack Power Right Angle 2conductor 2.1mm center	Switchcraft	RAPC722X	2J0021	Digikey
50	0 J13	DNI	DNI	DNI	DNI	DNI	DNI
51	1 J14	Connector_Screwdown	Connector 2pin screw down 15A 300VAC blue	OnShore Technology	OSTTC022162	2C0094	Digikey
52	1 J15	HEADER 6	Single Line Header 6pin Tin	Sullins	PEC06SAAN	2H0017	Digikey
53	1 J16	Header_30x2_Female	Header Socket 30x2 2mm pitch Female	Sullins	NPPN302AFCN	2H0078	Digikey
54	1 J17	Connector_Screwdown	Connector 3pin screw down 15A 300VAC blue	OnShore Technology	OSTTC032162	2C0124	Digikey
55	1 J18	USB_MicroAB	Connector Micro USB AB RA	Hirose	ZX62-AB-5PA(11)	2C0088	Digikey
56	1 J19	SCHA5B0200	Connector compact low-profile Push Type Micro SD	ALPS	SCHA5B0200	2C0102	Mouser
57	3 L1 L2 L3	4.7uH	Inductor 4.7uH 30% 3.1A	TDK	SLF7055T-4R7N3R1-3PF	1L0033	Digikey
58	1 L4	47uH	Inductor 47uH 20% 1.6A SMD	Coilcraft	MSS1038-473MLC	1L0057	Coilcraft
59	1 L5	1uH	Inductor 1uH 20% 4.5A SMD	Coilcraft	XFL4020-102ME_1.0	1L0043	Coilcraft
60	1 L6	100uH	Inductor 100uH 20% 450mA SMD	Coilcraft	MSS6132-104MLC	1L0058	Coilcraft
61	1 L7	100uH	Inductor 100uH 20% smt 1.02A	Coilcraft	MSS1038-104MLB	1L0062	Coilcraft
62	1 L8	82uH	Inductor 82uH 20% 370mA SMD	Coilcraft	MSS6122-823MLC	1L0060	Coilcraft
63	1 L9	47uH	Inductor 47uH 20% 720mA SMD	Coilcraft	MSS6132-473MLC	1L0059	Coilcraft
64	8 M1 M2 M3 M4 M5	Screw4-40_1/4in	Screw #4-40 1/4in long zinc phillips	BF Fastener	PMS 440 0025 PH	2M0025	Digikey
65	4 M9 M10 M11 M12	Standoff4-40_round_5/8	Standoff alum female/female 4-40 1/4 rd 5/8inlong	Keystone	1839	2M0042	Digikey
66	4 M13 M14 M15 M16	Rubber Feet	Rubber Feet #4 screw hole size	Keystone	720	2M0043	Digikey
67	1 M17	Shunt0.1in	Shunt 0.1in pitch	TE Connectivity	382811-8	2H0027	Digikey
68	1 PCB1	AM437x Industrial EVM	AM437x Industrial EVM Bare PCB	TI	3K0008	3K0008	TI 1.3
69	8 Q1 Q2 Q3 Q4 Q5 Q6	BSS138	MOSFET Nchan 50V 200mA	Diodes Inc.	BSS138-7-F	1Q0019	Digikey
70	1 Q9	FDT434P	MOSFET Pchan -20V 6A	Fairchild	FDT434P	1Q0024	Digikey
71	1 Q10	BSS84	MOSFET Pchan -50V 130mA	Diodes Inc.	BSS84-7-F	1Q0021	Digikey
72	12 R1 R7 R9 R11 R23 R25	100K	Resistor 100Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT100K	1R0181	Digikey
73	55 R2 R3 R54 R69 R75 F	10K	Resistor 10Kohm 1/16W 5% 0402	Rohm	MCR01MZPJ103	1R0168	Digikey
74	14 R4 R5 R6 R268 R271	150	Resistor 150ohm 1/16W 5% 0402	Stackpole Electronics	RMCF0402JT150R	1R0179	Digikey
75	196 R8 R10 R12 R21 R22	0	Resistor Zero ohm Jumper 0402	Panasonic	ERJ-2GE0R00X	1R0098	Digikey
76	32 R13 R17 R139 R142	0	Resistor Zero ohm Jumper 0603	Panasonic	ERJ-3GEY0R00V	1R0096	Digikey

77	1 R14	34K	Resistor 34Kohm 1/10W 1% 0402	Panasonic	ERJ-2RKF3402X	1R0283	Digikey
78	12 R15 R16 R160 R168	4.7K	Resistor 4.7Kohm 1/16W 5% 0402	Stackpole Electronics	RMCF0402JT4K70	1R0183	Digikey
79	5 R18 R94 R156 R175	51K	Resistor 51Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT51K0	1R0172	Digikey
80	1 R19	4.75K, 1%	Resistor 4.75KOHM 1/10W 1% 0402 SMD	Panasonic-ECG	ERJ-2RKF4751X	1R0250	Digikey
81	11 R20 R201 R204 R22	33	Resistor 33ohm 1/16W 5% 0402	Panasonic	ERJ-2GEJ330X	1R0008	Digikey
82	0 R24 R25 R26 R27 R2	DNI	DNI	DNI	DNI	DNI	DNI
83	16 R31 R43 R50 R56 R1	49.9	Resistor 49.9ohm 1/16W 1% 0402	Panasonic	ERA-2AEB49R9X	1R0171	Digikey
84	1 R32	12.1K, 1%	Resistor 12.1K OHM 1/16W 1% 0402 SMD	Yageo	RC0402FR-0712K1L	1R0247	Digikey
85	18 R44 R46 R51 R55 R5	2.2K	Resistor 2.2Kohm 1/16W 5% 0402	VishayDale	CRCW04022K20JNED	1R0169	Digikey
86	12 R45 R53 R193 R195	1K	Resistor 1Kohm 1/16W 5% 0402	Panasonic	ERJ-2GEJ102X	1R0027	Digikey
87	3 R58 R64 R68	4.02K	Resistor 4.02Kohm 1/16W 1% 0402	Yageo	RC0402FR-074K02L	1R0313	Digikey
88	1 R66	1.5K	Resistor 1.5Kohm 1/16W 5% 0402	Stackpole Electronics	RMCF0402JT1K50C	1R0188	Digikey
89	2 R82 R307	1M	Resistor 1Mohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT1M00	1R0182	Digikey
90	1 R93	8.06K	Resistor 8.06Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT8K06	1R0294	Digikey
91	2 R95 R235	60.4K	Resistor 60.4Kohm 1/16W 1% 0402	Vishay Dale	CRCW040260K4FKED	1R0291	Digikey
92	12 R102 R107 R121 R1	22	Resistor 22 ohm 1/16W 1% 0402	ROHM	MCR01MZPF22R0	1R0175	Digikey
93	0 R103 R104 R124 R1	DNI	DNI	DNI	DNI	DNI	DNI
94	4 R154 R559 R562 R5	95.3K	Resistor 95.3Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT95K3	1R0224	Digikey
95	6 R159 R173 R191 R1	49.9K	Resistor 49.9Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT49K9	1R0227	Digikey
96	1 R165	16K	Resistor 16Kohm 1/16W 1% 0402	Yageo	RC0402FR-0716KL	1R0301	Digikey
97	1 R166	3.01K	Resistor 3.01Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT3K01	1R0302	Digikey
98	4 R171 R183 R269 R2	220	Resistor 220ohm 1/10W 1% 0402	Panasonic	ERJ-2RKF2200X	1R0176	Digikey
99	1 R176	20.5K	Resistor 20.5Kohm 1/16W 1% 0402	Panasonic	ERJ-2RKF2052X	1R0293	Digikey
100	1 R181	40.2K	Resistor 40.2Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT40K2	1R0292	Digikey
101	12 R184 R185 R188 R1	22K	Resistor 22Kohm 1/16W 1% 0402	VishayDale	CRCW040222K0FKED	1R0234	Digikey
102	4 R194 R196 R208 R2	28.7K	Resistor 28.7Kohm 1/16W 1% 0402	Vishay Dale	CRCW040228K7FKED	1R0305	Digikey
103	2 R198 R504	240	Resistor 240 ohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT240R	1R0219	Digikey
104	24 R199 R205 R206 R2	47	Resistor 47ohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT47R0	1R0252	Digikey
105	10 R213 R476 R495 R4	4.99K	Resistor 4.99Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT4K99	1R0222	Digikey
106	1 R214	402K	Resistor 402Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT402K	1R0274	Digikey
107	1 R225	10	Resistor 10ohm 1/16W 5% 0402	Stackpole Electronics	RMCF0402JT10R0	1R0251	Digikey
108	2 R227 R230	14K	Resistor 14Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT14K0	1R0212	Digikey
109	1 R229	24K, 1%	Resistor 24Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402JT24K0	1R0253	Digikey
110	8 R288 R289 R290 R2	1.2K, MELF	Resistor 1.2Kohm 1/3W 1% MELF0102	Vishay	MMU01020C1201FB300	1R0265	Digikey
111	2 R298 R491	15K,1%	Resistor 15Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT15K0	1R0201	Digikey
112	0 R300 R314 R321 R3	DNI	DNI	DNI	DNI	DNI	DNI
113	1 R301	30.1K	Resistor 30.1Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT30K1	1R0173	Digikey
114	1 R306	39K	Resistor 39Kohm 1/16W 5% 0402	Stackpole	RMCF0402JT39K0	1R0279	Digikey
115	1 R322	25K	Resistor 25Kohm 1/10W 0.1% 0603	Vishay	PNM0603E2502BST5	1R0223	Digikey
116	1 R338	49.9	MELF Resistor 49.9ohm 1/3W 1% MELF0102	Vishay	MMU01020C4999FB300	1R0243	Digikey
117	2 R362 R464	4.87K	Resistor 4.87Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT4K87	1R0275	Digikey
118	0 R366 R369 R394 R3	DNI	DNI	DNI	DNI	DNI	DNI
119	4 R389 R414 R498 R4	100	Resistor 100ohm 1/16W 5% 0402	Stackpole Electronics	RMCF0402JT100R	1R0236	Digikey

120	1 R409	10K, 1%	Resistor 10Kohm 1/10W 1% 0402	Panasonic-ECG	ERJ-2RKF1002X	1R0254	Digikey
121	0 R422 R427 R485	DNI	DNI	DNI	DNI	DNI	DNI
122	0 R452	DNI	DNI	DNI	DNI	DNI	DNI
123	1 R460	12K, 1%	Resistor 12Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402JT12K0	1R0245	Digikey
124	2 R470 R474	2.2K, 1/8W	Resistor 2.2Kohm 1/8W 5% 0402	Vishay/Dale	CRCW04022K20JNEDHP	1R0248	Digikey
125	1 R481	18K	Resistor 18Kohm 1/10W 1% 0402	Panasonic	ERJ-2RKF1802X	1R0284	Digikey
126	4 R502 R506 R510 R512	19.1K	Resistor 19.1Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT19K1	1R0306	Digikey
127	1 R512	120	Resistor 120ohm 1/16W 1% 0402	Vishay_Dale	CRCW0402120RFKED	1R0244	Digikey
128	3 R536 R537 R538	0.02	Resistor 0.02ohm 1W 1% 1206	VishayDale	WSLP1206R0200FEA	1R0307	Digikey
129	1 R543	0	Resistor Zero ohm Jumper 1210	Vishay Dale	CRCW12100000Z0EA	1R0288	Digikey
130	1 R548	470K	Resistor 470Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT470K	1R0190	Digikey
131	0 SCKT1	DNI	DNI	DNI	DNI	DNI	DNI
132	2 SW1 SW2	B3SL	Switch Push Button tactile NO	Omron	B3SL-1022P	2W0018	Digikey
133	10 TP1 TP2 TP7 TP9 TP11 TP		Testpoint Miniature Through Hole	Keystone Electronics	5002	2H0026	Digikey
134	11 TP3 TP4 TP5 TP6 TP7 TP11mm		Testpoint SMD 1mm circle pad	N/A	N/A	2H0046	N/A
135	2 U1 U2	Red_Green_Yellow_LED	LED RedGreenYellow Tricolor 20mA 1.9/2.1V 1210 smd	Bivar	SM1210RGY	1F0012	Digikey
136	1 U11	AM437X_ZDN	Cortex A9 SOC AM437x	TI	AM437XZDN	1A0392	TI
137	5 U3 U10 U14 U15 U1	TPS5402D	Step down power regulator w/FET 1.7A	TI	TPS5402D	1A0381	Digikey
138	1 U4	SN65HVS882	Industrial 8digit Input Serializer	TI	SN65HVS882PWP	1A0234	Digikey
139	1 U5	TPIC2810	8bit LED Driver with I2C Interface	TI	TPIC2810D	1A0282	Digikey
140	2 U6 U58	SN74LVC8T245	8bit dual supply bus transceiver	TI	SN74LVC8T245PWR	1A0285	Digikey
141	2 U7 U12	TLK105L	Industrial Ethernet 10/100 Mb/s PHY Transceiver	TI	TLK105LRHB	1A0393	Digikey
142	1 U8	SN74LVC1G04	Inverter	TI	SN74LVC1G04DCK	1A0288	Digikey
143	2 U9 U39	SN74LV244A	Octal Line Buffer	TI	SN74LV244APWRG3	1A0368	Digikey
144	1 U13	FT2232HL	USBHS Dual UART/FIFO	FTDI	FT2232HL-REEL	1A0294	Digikey
145	1 U16	93LC56B	E2PROM 2Kbit 3Mhz Memory	Microchip	93LC56B-I/SN	1A0293	Digikey
146	4 U18 U19 U22 U24	OPA365	Opamp	TI	OPA365AIDBV	1A0263	Arrow
147	2 U20 U21	MT41K256M16HA	DDR3 SDRAM 4Gb (256Mx16) 1.35V	Micron	MT41K256M16HA-125	1A0363	Arrow
148	1 U23	DRV8313	Triple Half H-Bridge Driver	TI	DRV8313PWP	1A0350	Digikey
149	1 U25	TPS51200	DDR Termination Regulator SinkSource	TI	TPS51200DRC	1A0297	Digikey
150	1 U26	TPS386000	Quad Supply Voltage Supervisor	TI	TPS386000RGP	1A0384	Digikey
151	1 U27	TPD6E001	ESD Protection Array 6Chan +-15kV	TI	TPD6E001RSE	1A0248	Digikey
152	1 U28	LM4132	Precision 1.8V Low Dropout voltage Reference	TI	LM4132CMF-1.8/NOPB	1A0402	Digikey
153	4 U29 U40 U52 U53	TPS22922B	Load Switch Ultra Low Ron	TI	TPS22922BYZP	1A0385	Digikey
154	1 U30	TPS79301	LDO Regulator 200mA High PSRR	TI	TPS79301DBV	1A0230	Digikey
155	1 U31	TXS0102	Bidirectional 2bit Voltage Translator Open Drain	TI	TXS0102DCT	1A0260	Digikey
156	1 U32	CAT24C256W	EEPROM 256Kb I2C SOIC8	On Semiconductor	CAT24C256WI-G	1A0225	Digikey
157	1 U33	CDCE913	Programmable 1-PLL VCXO Clock Synthesizer	TI	CDCE913PWR	1A0326	Digikey
158	1 U34	SN74AVC1T45	Dual Voltage Translator	TI	SN74AVC1T45DCK	1A0144	Digikey
159	1 U35	TPS62362	Regulator Switching 3A with Dig Voltage Scaling	TI	TPS62362YZH	1A0318	Digikey
160	5 U36 U42 U48 U51 U	SN74LVC1G07	Driver Open Drain output	TI	SN74LVC1G07DCK	1A0269	Digikey
161	1 U37	KSZ9031RN	Gb Ethernet Transceiver PHY	Micrel	KSZ9031RNX	1A0344	Digikey
162	2 U38 U45	SN74AVC4T245	Bus Transceiver 4bit Voltage Translator	TI	SN74AVC4T245PW	1A0245	Digikey

163	2 U41 U49	SN74AVC2T244	2bit Undirectional Voltage Translator	TI	SN74AVC2T244DQM	1A0388	Digikey
164	2 U43 U44	SN74LVC1G08	Single logic AND Gate	TI	SN74LVC1G08DCK	1A0257	Digikey
165	1 U46	MX66L51235FMI	Quad Serial NOR Flash Memory 512Mb 3.3V	Macronix	MX66L51235FMI-10G	1A0389	Macronix
166	2 U47 U59	TPD2E001	ESD Protection Array 2Chan +-15kV	TI	TPD2E001DRL	1A0247	Digikey
167	1 U50	SN74LVC1G00DCK	Single Two input positive NAND	TI	SN74LVC1G00DCK	1A0300	Digikey
168	2 U55 U57	SN65HVD78D	RS-485 Transceiver with ESD protection	TI	SN65HVD78D	1A0383	Digikey
169	1 U56	REF3025	CMOS Voltage Reference 2.5V	TI	REF3025AIDBZ	1A0399	Digikey
170	1 Y1	24MHz	Crystal 24MHz	Suntsu	SCM18B-24.000MHz TR	1Y0044	Suntsu Inc
171	1 Y2	25MHz	Crystal 25MHz	Abracon	ABM3-25.000MHz-B2-T	1Y0030	Digikey
172	1 Y3	32.768KHz MC-306	Crystal 32.768KHz	Epson	MC-30632.7680k-A	1Y0029	Digikey
173	1 Y4	12MHz	Crystal 12MHz 30ppm load cap 18pF	Abracon	ABM3-12.000MHz-D2Y-T	1Y0036	Digikey

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