



MICROCHIP

Microchip Technology Incorporated
2355 W. Chandler Blvd.
Chandler, AZ 85224-6199

KEY	
CR: Cross	D: Drawing
CS: Consign	B: BOM
PL: Pack List	LBL: Label
	Q: Quality Check

ASSEMBLY NUMBER: 12-00866

REV: 3

ASSEMBLY NAME: FINAL ASSY, PIC32 ETHERNET STARTER KIT

Bill of Materials

Qty	Part Number	Rev	Description	Manufacturer	Vendor / Part No	C	C	P	Type
						R	S	L	
1	02-02146	3	PCB ASSY, PIC32 ETHERNET STARTER KIT Place in bubble anti-static bag					Y	B
2	DS30030	*	DOC, WARRANTY/REGISTRATION CARD					Y	DOC
3	DS30210	*	DOC, "IMPORTANT INFORMATION" MICROCHIP INFORMATION					Y	DOC
4	MISC0070		MISC, STACKPAK DVD CASE, 7-3/4" H x 5-1/4" W x 1" D NEXPAK P21048 CDROM2GO P21048					Y	PART
				<input checked="" type="checkbox"/> RoHS Compliant	Avail:				
5	08-00237	3	LABEL, PRODUCT, FINAL ASSY, SERIAL NO. OPTIONAL						LBL
6	CAB0001		CABLE, CAT5 ETHERNET PATCH CORD RJ45 M/M 3', GRAY CCT 100-003 CCT 100-003 COMPUTER GAT CNWTCE3E					Y	PART
				<input checked="" type="checkbox"/> RoHS Compliant	Avail:				
				<input checked="" type="checkbox"/> RoHS Compliant	Avail:				
				<input type="checkbox"/> RoHS Compliant	Avail:				
7	CAB0019		CABLE, USB, A TO MINI-B, 4 FT to 6 FT DELPHI 15431480-030 DIGIKEY 167-1012-ND HIROSE ELECTR UX40-MB-5PA-1000-2003(01)					Y	PART
				<input type="checkbox"/> RoHS Compliant	Avail:				
				<input checked="" type="checkbox"/> RoHS Compliant	Avail:				
8	CAB0028		CABLE, USB, MALE A to MALE MICRO-B					Y	PART
9	DS61134	*	SOFTWARE, 32-BIT STARTER KIT CDROM					Y	DOC
10	DS51859	*	DOC, PIC32 ETHERNET STARTER KIT DVD INSERT SHEET						DOC



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						R	S	L	
1	02-02146-D	1	PCB ASSY DWG, PIC32 ETHERNET STARTER KIT						D
2	03-02146	1.1	SCHEMATIC, PIC32 ETHERNET STARTER KIT						D
3	04-02146	1	PCB FABRICATION, PIC32 ETHERNET STARTER KIT						D
4	08-00028	4	LABEL, ASSY W/REV LEVEL (SMALL MODULES) PER MTS-0002						LBL
5	MIC0373		IC SMT, MCP1253,DC-DC CONVERTER 3.3V 8L MSOP U4 MICROCHIP MCP1253-33X50I/MS Y4BD17CHXD00 <input checked="" type="checkbox"/> RoHS Compliant Avail:			Y			PART
6	MIC0621		IC SMT, PIC32MX440F512H-80I/MR 64P QFN U1 MICROCHIP PIC32MX440F512H-80I/MR YPAA17R4XBB8 <input checked="" type="checkbox"/> RoHS Compliant Avail:			Y			PART
7	MIC0619		IC SMT, PIC32MX795F512L 100L TQFP U2 MICROCHIP PIC32MX795F512L-80I/PT TDAA17V7XEA8 <input checked="" type="checkbox"/> RoHS Compliant Avail:			Y			PART
8	MIC0477		IC SMT, TC1262-3.3VDB, SOT-223 U5 MICROCHIP TC1262-3.3VDBTR GBAC3YBSXA33 <input checked="" type="checkbox"/> RoHS Compliant Avail:			Y			PART
9	CAP0011		CAP SMT, 0.1uF 0603 CER 16V 10% X7R C1,C9-C14,C27,C28,C30-C33,C35-C39 CAL-CHIP GMC10X7R104K16NTLF <input checked="" type="checkbox"/> RoHS Compliant Avail: NIC COMPONEN NMC0603X7R104K16TRPF <input checked="" type="checkbox"/> RoHS Compliant Avail: PANASONIC ECJ-1VB1C104K DIGIKEY PCC1762TR-ND <input checked="" type="checkbox"/> RoHS Compliant Avail: TAIYO YUDEN EMK107B7104KA-T DIGIKEY 587-1240-2-ND <input checked="" type="checkbox"/> RoHS Compliant Avail: TAIYO YUDEN EMK107B7104KA-T NEWARK 86H5248 <input checked="" type="checkbox"/> RoHS Compliant Avail: YAGEO 06032R104K7B20D DIGIKEY 311-1088-1-ND <input checked="" type="checkbox"/> RoHS Compliant Avail:						PART
10	CAP0171		CAP SMT, 1.0uF 0805 CER 16V 10% X7R C17 SAMSUNG CL21B105KONE <input type="checkbox"/> RoHS Compliant Avail: KEMET C0805C105K4RAC <input checked="" type="checkbox"/> RoHS Compliant Avail: KEMET C0805C105K4RACTU DIGIKEY 399-1284-2-ND <input checked="" type="checkbox"/> RoHS Compliant Avail:						PART

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11	3	CAP0280	CAP SMT, 10uF 0805 CER 6.3V 20% , X5R C2,C29,C34 MURATA GRM21BF50J106ZE01L DIGIKEY 490-1746-1-ND <input checked="" type="checkbox"/> RoHS Compliant Avail: PANASONIC ECJ-2FB0J106M DIGIKEY PCC2225TR-ND <input checked="" type="checkbox"/> RoHS Compliant Avail:						PART
12	3	CAP0381	CAP SMT, 4.7uF 0805 CER 16V +80-20% Y5V C7, C8, C18 PANASONIC ECJ-2FB0J475K DIGIKEY PCC2402CT-ND <input checked="" type="checkbox"/> RoHS Compliant Avail:						PART
13	4	CAP0382	CAP SMT, 20pF 0603 CER 50V, 5% C0G C3-C6 ROHM MCH185A200JK DIGIKEY 511-1121-1-ND <input checked="" type="checkbox"/> RoHS Compliant Avail:						PART
14	1	CAP0410	CAP SMT, 6.8uF 0805 CER 6.3V 10% X5R C25 KEMET C0805C685K9PACTU DIGIKEY 399-3136-2-ND <input checked="" type="checkbox"/> RoHS Compliant Avail:						PART
15	1	CAP0411	CAP SMT, 100uF 1812 CER 6.3V -20%,+80% Y5V C26 PANASONIC ECJ-5YF0J107Z DIGIKEY PCC2246TR-ND <input checked="" type="checkbox"/> RoHS Compliant Avail:						PART
16	1	CON0040	CONN, HDR, 1x2 BREAKAWAY, 0.100" PITCH, 0.025 SQ POST (0.100"/0.230") JP2 SAMTEC TSW-102-07-G-S DIGIKEY SAM1029-02-ND <input checked="" type="checkbox"/> RoHS Compliant Avail: SPC TECHNOLO SPC20481 NEWARK 93K5734 <input checked="" type="checkbox"/> RoHS Compliant Avail: 3M 929647-09-36-I (1x36 POS BREAKAWAY) DIGIKEY 929647-09-36-ND <input checked="" type="checkbox"/> RoHS Compliant Avail: MOLEX 90120-0762 DIGIKEY WM8084-ND <input checked="" type="checkbox"/> RoHS Compliant Avail: SAMTEC TSW-102-07-G-S <input checked="" type="checkbox"/> RoHS Compliant Avail: SAMTEC TSW-102-07-T-S <input checked="" type="checkbox"/> RoHS Compliant Avail: SAMTEC TSW-102-07-G-S <input checked="" type="checkbox"/> RoHS Compliant Avail:						PART
17	1	CON0169	CONN SMT, RECPT, USB MINI-B 5POS RA J1 KYCON KMBX-SMT-5S-S-30TR MOUSER 806-KMBXSMT5SS <input checked="" type="checkbox"/> RoHS Compliant Avail: DELPHI 15430262-110 DIGIKEY 167-1001-2-ND <input type="checkbox"/> RoHS Compliant Avail:						PART



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18	1	CON0275	CONN, SMT, HDR, 120P, W/POST J2 HIROSE ELECTR FX10A-120P/12-SV1(71) HIROSE ELECTR FX10B-120P/12-SV1(71)	DIGIKEY H11247-ND DIGIKEY H11230-ND	<input checked="" type="checkbox"/> RoHS Compliant Avail: <input checked="" type="checkbox"/> RoHS Compliant Avail:				PART
19	1	CON0280	CONN, RECPT, USB TYPE-A W/ BOARD LOCK J4 FCI 87520-0010BLF	DIGIKEY 609-1045-ND	<input checked="" type="checkbox"/> RoHS Compliant Avail:				PART
20	1	CON0293	CONN, RECPT, USB MICRO-B SMD TH SHLL J5 HIROSE ELECTR ZX62D-AB-5P8	DIGIKEY H11494CT-ND	<input checked="" type="checkbox"/> RoHS Compliant Avail:				PART
21	2	DIODE0054	DIODE SMT, SCHOTTKY 30V 0.5A SOD-123 D2,D7 ON SEMI MBR0530T1 ON SEMI MBR0530T1G	DIGIKEY MBR0530T1GOSCT	<input type="checkbox"/> RoHS Compliant Avail: <input checked="" type="checkbox"/> RoHS Compliant Avail:				PART
22	1	IC00369	IC SMT, TPS20X1 .75A POWER DIST SWITCH 5-SOT23 U6 TEXAS INSTRU TPS2051BDBVR	DIGIKEY 296-21265-2-ND	<input checked="" type="checkbox"/> RoHS Compliant Avail:				PART
23	1	IC00454	IC SMT, TPS2041 1A PWR DIST SWITCH SNGL SOT23-5 U3 TEXAS INSTRU TPS2041BDBVR	DIGIKEY 296-21263-1-ND	<input checked="" type="checkbox"/> RoHS Compliant Avail:				PART
24	1	LED0047	LED SMT, 0805 RED DIFF 2x1.25mm THIN LED1 LUMEX SML-LXT0805IW-TR	DIGIKEY 67-1552-1-ND	<input checked="" type="checkbox"/> RoHS Compliant Avail:				PART
25	2	LED0053	LED SMT, 0805 YELLOW DIFF 2x1.25mm THIN D1, LED2 LUMEX SML-LXT0805YW-TR	DIGIKEY 67-1554-1-ND	<input checked="" type="checkbox"/> RoHS Compliant Avail:				PART
26	3	LED0057	LED SMT, 0805 GREEN DIFF 2x1.25mm D3, D8, LED3 LUMEX SML-LXT0805GW-TR	DIGIKEY 67-1553-1-ND	<input checked="" type="checkbox"/> RoHS Compliant Avail:				PART
27	2	OSC0115	OSC SMT, CRYSTAL 8.000 MHZ18PF SMD Y1, Y2 ABRACON COR ABM3B-8.000MHZ-B2-T	DIGIKEY 535-9720-1-ND	<input checked="" type="checkbox"/> RoHS Compliant Avail:				PART



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28	4	RSMT0047	RES SMT, 1.0K-OHM 1/10W 5% 0603 R4,R9, R11, R12 ROHM MCR03FZHJ1001 PANASONIC ERJ-3GEYJ102V DIGIKEY P1.0KGCT-ND PANASONIC ERJ-3GSYJ102V DIGIKEY P1.0KGTR-ND ROHM MCR03EZHJ1K SEI (STACKPOL RMCF 1/16 1K 5% R YAGEO RC0603JR-071KL DIGIKEY 311-1.0KGRTR-ND PANASONIC ERJ-3GEYJ102V DIGIKEY P1.0KGTR-ND KOA SPEER RK73B1JTTD102J	<input checked="" type="checkbox"/> RoHS Compliant	Avail:					PART
29	5	RSMT0092	RES SMT, 4.7K-OHM 1/10W 5% 0603 R10, R13, R14, R16, R18 ROHM MCR03EZHJ4.7K SEI (STACKPOL RMCF 1/16 4.7K 5% R PANASONIC ERJ-3GEYJ472V DIGIKEY P4.7KGTR-ND KOA SPEER RK73B1JTTD472J YAGEO/PHYCO 9C06031A4701JLHFT DIGIKEY 311-4.7KGTR-ND YAGEO/PHYCO 9C06031A4701JLPFT	<input checked="" type="checkbox"/> RoHS Compliant	Avail:					PART
30	5	RSMT0166	RES SMT, 330-OHM 1/10W 5% 0603 R5, R19, R20, R22, R23 KOA SPEER RK73B1JTTD331J PANASONIC ERJ-3GEYJ331V DIGIKEY P330GTR-ND SEI (STACKPOL RMCF 1/16 330 5% R	<input checked="" type="checkbox"/> RoHS Compliant	Avail:					PART
31	1	RSMT0215	RES SMT, 100K-OHM 1/10W 1% 0603 R17 PANASONIC ERJ-3EKF1003V DIGIKEY P100KHTR-ND	<input checked="" type="checkbox"/> RoHS Compliant	Avail:					PART
32	3	SWITCH0070	SWITCH, LIGHT TOUCH 160gF S1-S3 MOUNTAIN SWI 101-TS3724T1600-EV MOUSER 101-TS3724T1600- PANASONIC EVQ-PPBA25 DIGIKEY P8086STR-ND	<input checked="" type="checkbox"/> RoHS Compliant	Avail:					PART



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33	1	CON0084	CONN, SHUNT, 2-PIN SHORTING SHUNT (.100" SPACING) @ JP2 SAMTEC SNT-100-BK-G HARWIN M7567-05 FARNELL 150410 SULLINS SSC02SYAN DIGIKEY S9002-ND TYCO/AMP 382811-6 DIGIKEY A26227-ND	<input checked="" type="checkbox"/> RoHS Compliant	Avail:				PART
				<input type="checkbox"/> RoHS Compliant	Avail:				
				<input checked="" type="checkbox"/> RoHS Compliant	Avail:				
				<input checked="" type="checkbox"/> RoHS Compliant	Avail:				
34	2	MISC0095	MISC, RUBBER FEET, HEMISPHERE, 0.375x0.21 CLEAR bottom side of board BUMBER SPECI BS-22			<input checked="" type="checkbox"/> RoHS Compliant	Avail:		PART
35	1	CON0409	CONN, MAGJACK 1PORT SHLD 10/100BT & LEDS J6 BEL STEWART C SI-60062-F DIGIKEY 380-1106-ND			<input type="checkbox"/> RoHS Compliant	Avail:		PART
36	1	IC00452	IC SMT, TXRX ETHERNET PHYTER 48-LQFP U8 NATIONAL DP83848CVV/NOPB DIGIKEY DP83848CVV-ND			<input checked="" type="checkbox"/> RoHS Compliant	Avail:		PART
37	1	OSC0113	OSC SMT, OSCILLATOR 50.0000MHZ 3.3V Y4 AVX ECS-80-20-5PVX DIGIKEY 478-4792-1-ND			<input checked="" type="checkbox"/> RoHS Compliant	Avail:		PART
38	2	RSMT0134	RES SMT, 1.5K-OHM 1/10W 1% 0603 R55,R56 PANASONIC ERJ-3EKF1501V DIGIKEY P1.50KHTR-ND			<input checked="" type="checkbox"/> RoHS Compliant	Avail:		PART
39	6	RSMT0570	RES SMT, 2.2K-OHM 1/16W 1% 0603 R15, R21, R25, R33, R51, R57 SPC TECHNOLO MC0603WGF2201T5E-TC NEWARK 58K4528			<input checked="" type="checkbox"/> RoHS Compliant	Avail:		PART
40	6	RSMT0189	RES SMT, 33-OHM 1/10W 5% 0603 R29, R59-R63 KOA SPEER RK73B1JTDD330J YAGEO/PHYCO RC0603JR-0733RL YAGEO/PHYCO 9C06031A33R0JLPFT PANASONIC ERJ-3GEYJ330V DIGIKEY P33GTR-ND YAGEO/PHYCO 9C06031A33R0JLHFT DIGIKEY 311-33GTR-ND SEI (STACKPOL RMCF 1/16 33 5%TR	<input checked="" type="checkbox"/> RoHS Compliant	Avail:				PART
				<input checked="" type="checkbox"/> RoHS Compliant	Avail:				
				<input checked="" type="checkbox"/> RoHS Compliant	Avail:				
				<input checked="" type="checkbox"/> RoHS Compliant	Avail:				
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41	4	RSMT0377	RES SMT, 49.9-OHM 1/10W 1% 0603 R37, R39,-R41 ROHM MCR03EZPFX49R9 DIGIKEY RHM49.9HCT-ND <input checked="" type="checkbox"/> RoHS Compliant Avail:						PART
42	2	RSMT0672	RES SMT, 249-OHM 1/10W 1% 0603 R28, R44 YAGEO RC0603FR-07249RL DIGIKEY 311-249HRCT-ND <input checked="" type="checkbox"/> RoHS Compliant Avail:						PART
43	1	RSMT0294	RES SMT, 510-OHM 1/16W 1% 100 PPM 0603 R26 YAGEO/PHYCO 9C06031A5100FKPFT <input checked="" type="checkbox"/> RoHS Compliant Avail: YAGEO/PHYCO 9C06031A5100FKHFT DIGIKEY 311-510HTR-ND <input type="checkbox"/> RoHS Compliant Avail:						PART
44	1	RSMT0664	RES SMT, 4.87K-OHM 1/10W 1% 0603 R50 YAGEO RC0603FR-074K87L DIGIKEY 311-4.87KHRTR-ND <input checked="" type="checkbox"/> RoHS Compliant Avail:						PART
45	0	-SPARE-	-SPARE- LOCATION DO NOT INSTALL C18, C15, C16, GND1, J3, R24, R27, TP9, TP10,TP11, Y3						PART