

Schematic	Manufacturer's Part No.		Digikey Part No.	Description
U1	DCT11			CPU
U2	74HC367	SN74HC367N	296-8306-5-ND	IC BUFFER NON-INVERT 6V 16-PDIP
U3	74HC373	SN74HC373N	296-1591-5-ND	IC OCT TRANSP D LATCH 20-DIP
U4	74HC373	SN74HC373N	296-1591-5-ND	IC OCT TRANSP D LATCH 20-DIP
U5	G16V8	ATF16V8BQL-15PU	ATF16V8BQL-15PU-ND	IC PLD 8MC 15NS 20-DIP
U6	DS12887A	DS12887A+	DS12887A+-ND	IC RTC CLK/CALENDAR PAR 24-EDIP
U7	62256	AS6C62256-55PCN	1450-1033-ND	IC SRAM 256KBIT PARALLEL 28-DIP
U8	62256	AS6C62256-55PCN	1450-1033-ND	IC SRAM 256KBIT PARALLEL 28-DIP
U9	27C256	HN27C256AG10	2156-HN27C256AG10-N	IC EPROM 256KBIT PARALLEL 28-CDIP
U10	27C256	HN27C256AG10	2156-HN27C256AG10-N	IC EPROM 256KBIT PARALLEL 28-CDIP
U11	G16V8	ATF16V8BQL-15PU	ATF16V8BQL-15PU-ND	IC PLD 8MC 15NS 20-DIP
U12	DC319			DART
U13	DC319			DART
U14	G16V8	ATF16V8BQL-15PU	ATF16V8BQL-15PU-ND	IC PLD 8MC 15NS 20-DIP
U15	G16V8	ATF16V8BQL-15PU	ATF16V8BQL-15PU-ND	IC PLD 8MC 15NS 20-DIP
U16	82C55	CP82C55A-5Z	CP82C55A-5Z-ND	IC I/O EXPANDER 24 BIT 40-DIP
U18	74HC245	SN74HC245N	296-1584-5-ND	IC BUS TRANSCIEVER 8 BIT 20-DIP
U19	74HC245	SN74HC245N	296-1584-5-ND	IC BUS TRANSCIEVER 8 BIT 20-DIP
U20	74HC365	SN74HC365N	296-8304-5-ND	IC BUFF/DVR TRI-ST 6 BIT 16-DIP
U21	74HC366	CD74HC366E	296-33070-5-ND	IC BUFFER INVERTING 6V 16-PDIP
U22	MAX232	MAX232N	296-1402-5-ND	IC DUAL EIA-232 DRIVER/RECEIVER 16-DIP
U23	TIL311			HEXADECIMAL DISPLAY WITH LOGIC
U24	DS1233	DS1233D-10+	DS1233D-10+-ND	SUPERVISOR OPEN DRAIN OR OPEN COLLECTOR 1 CHANNEL TO-92-3
U26	74HC74	SN74HC74N	296-1602-5-ND	IC D-TYPE POS TRG DUAL 14-DIP
U27	74HC74	SN74HC74N	296-1602-5-ND	IC D-TYPE POS TRG DUAL 14-DIP
U28	74HC374	SN74HC374AN	296-49896-ND	IC FF D-TYPE SINGLE 8 BIT 20-PDIP
U29	G16V8	ATF16V8BQL-15PU	ATF16V8BQL-15PU-ND	IC PLD 8MC 15NS 20-DIP
U30	G16V8	ATF16V8BQL-15PU	ATF16V8BQL-15PU-ND	IC PLD 8MC 15NS 20-DIP
U31	G16V8	ATF16V8BQL-15PU	ATF16V8BQL-15PU-ND	IC PLD 8MC 15NS 20-DIP
U32	74HC14	SN74HC14N	296-1577-5-ND	IC INVERT SCHMITT 6CH 1INP 14-DIP
C1	22PF	K220J15C0GF5TL2	BC1005CT-ND	CAPACITOR CER 22PF 50V COG/NPO RADIAL
C2	22PF	K220J15C0GF5TL2	BC1005CT-ND	CAPACITOR CER 22PF 50V COG/NPO RADIAL

C3	1UF	TAP105K025CCS	478-4167-ND	CAPACITOR TANT 1UF 10% 25V RADIAL
C4	1UF	TAP105K025CCS	478-4167-ND	CAPACITOR TANT 1UF 10% 25V RADIAL
C5	1UF	TAP105K025CCS	478-4167-ND	CAPACITOR TANT 1UF 10% 25V RADIAL
C6	1UF	TAP105K025CCS	478-4167-ND	CAPACITOR TANT 1UF 10% 25V RADIAL
C7	10UF	T356B106M006AS	399-T356B106M006AS-ND	CAPACITOR TANT 10UF 20% 6V RADIAL
C8	1UF	199D105X9016A6B1	718-199D105X9016A6B1CT-ND	CAPACITOR TANT 1UF 10% 16V RADIAL
C9	1UF	199D105X9016A6B1	718-199D105X9016A6B1CT-ND	CAPACITOR TANT 1UF 10% 16V RADIAL
C10	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C11	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C12	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C13	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C14	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C15	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C16	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C17	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C18	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C19	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C20	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C21	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C22	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C23	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C24	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C25	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C25	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C27	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C28	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C29	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C30	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C31	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C32	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C33	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C34	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C35	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
C36	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL

C37	0.01UF	C315C103K5R5TA	399-4148-ND	CAPACITOR CER 10000PF 50V X7R RADIAL
D1	1N5340	1N5340BRLG	1N5340BRLGOSCT-ND	DIODE ZENER 6V 5W AXIAL
F1	5A	0251005.NRT1L	F5566CT-ND	5A 125 V FUSE BOARD MOUNT THROUGH HOLE AXIAL
Y1	4.9152 MHz	ECS-49-20-1X	X1014-ND	4.9152 MHz ±30PPM CRYSTAL 20PF 55 OHMS HC-49
J1	10-POS	302-S101	ED1543-ND	CONNECTOR HEADER THROUGH HOLE 10 POSITION 0.100"
J2	10-POS	302-S101	ED1543-ND	CONNECTOR HEADER THROUGH HOLE 10 POSITION 0.100"
J3	26-POS	302-S261	ED10526-ND	CONNECTOR HEADER THROUGH HOLE 26 POSITION 0.100"
J4	40-POS	302-S401	ED10529-ND	CONNECTOR HEADER THROUGH HOLE 40 POSITION 0.100"
J5	4-POS	641737-1	A25430-ND	CONNECTOR HEADER THROUGH HOLE, RIGHT ANGLE 4 POSITION 0.200"
J6	50-POS	XG8W-5031	Z12471-ND	CONNECTOR HEADER THROUGH HOLE 50 POSITION 0.100"
J7	2-POS	1718561002	WM10286-ND	CONNECTOR HEADER THROUGH HOLE 2 POSITION 0.100"
J8	14-POS	302-S141	ED10522-ND	CONNECTOR HEADER THROUGH HOLE 14 POSITION 0.100"
JP1	2-POS	61300211121	732-5315-ND	CONNECTOR HEADER THROUGH HOLE 2 POSITION 0.100"
JP3	2-POS	61300211121	732-5315-ND	CONNECTOR HEADER THROUGH HOLE 2 POSITION 0.100"
JP4	2-POS	61300211121	732-5315-ND	CONNECTOR HEADER THROUGH HOLE 2 POSITION 0.100"
JP5	3-POS	61300311121	732-5316-ND	CONNECTOR HEADER THROUGH HOLE 3 POSITION 0.100"
JP6	3-POS	61300311121	732-5316-ND	CONNECTOR HEADER THROUGH HOLE 3 POSITION 0.100"
JP7	3-POS	61300311121	732-5316-ND	CONNECTOR HEADER THROUGH HOLE 3 POSITION 0.100"
LED1	T1 GREEN	HLMP-1503	516-1293-ND	LED GREEN DIFFUSED T-1 THROUGH HOLE
LED2	T1 RED	HLMP-1301	516-1291-ND	LED RED DIFFUSED T-1 THROUGH HOLE
LED3	T1 RED	HLMP-1301	516-1291-ND	LED RED DIFFUSED T-1 THROUGH HOLE
LED4	T1 RED	HLMP-1301	516-1291-ND	LED RED DIFFUSED T-1 THROUGH HOLE
R1	1K	RNF18FTD1K00	RNF18FTD1K00CT-ND	1K OHM 1% 1/8W THROUGH HOLE RESISTOR
R2	82K	CF18JT82K0	CF18JT82K0CT-ND	82K OHM 5% 1/8W THROUGH HOLE RESISTOR
R3	18K	CF18JT18K0	CF18JT18K0CT-ND	18K OHM 5% 1/8W THROUGH HOLE RESISTOR
R4	560	CF18JT560R	CF18JT560RCT-ND	560 OHM 5% 1/8W THROUGH HOLE RESISTOR
R5	560	CF18JT560R	CF18JT560RCT-ND	560 OHM 5% 1/8W THROUGH HOLE RESISTOR

R6	10K	CF18JT10K0	CF18JT10K0CT-ND	10K OHM 5% 1/8W THROUGH HOLE RESISTOR
R7	560	CF18JT560R	CF18JT560RCT-ND	560 OHM 5% 1/8W THROUGH HOLE RESISTOR
R8	560	CF18JT560R	CF18JT560RCT-ND	560 OHM 5% 1/8W THROUGH HOLE RESISTOR
R9	4.7K	CF18JT4K70	CF18JT4K70CT-ND	4.7K OHM 5% 1/8W THROUGH HOLE RESISTOR
R13	10K	CF18JT10K0	CF18JT10K0CT-ND	10K OHM 5% 1/8W THROUGH HOLE RESISTOR
R14	10K	CF18JT10K0	CF18JT10K0CT-ND	10K OHM 5% 1/8W THROUGH HOLE RESISTOR
R15	3.3K	CF18JT3K30	CF18JT3K30CT-ND	3.3K OHM 5% 1/8W THROUGH HOLE RESISTOR
R16	4.7K	CF18JT4K70	CF18JT4K70CT-ND	4.7K OHM 5% 1/8W THROUGH HOLE RESISTOR

SOCKET--U1	40	SA406040	ED3033-ND	IC DIP SOCKET 40 POS GOLD
SOCKET--U2	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD
SOCKET--U3	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD
SOCKET--U4	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD
SOCKET--U5	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD
SOCKET--U6	24	SA246000	ED3024-ND	IC DIP SOCKET 24 POS GOLD
SOCKET--U7	28	SA286000	ED3028-ND	IC DIP SOCKET 28 POS GOLD
SOCKET--U8	28	SA286000	ED3028-ND	IC DIP SOCKET 28 POS GOLD
SOCKET--U9	28	SA286000	ED3028-ND	IC DIP SOCKET 28 POS GOLD
SOCKET--U10	28	SA286000	ED3028-ND	IC DIP SOCKET 28 POS GOLD
SOCKET--U11	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD
SOCKET--U12	40	SA406040	ED3033-ND	IC DIP SOCKET 40 POS GOLD
SOCKET--U13	40	SA406040	ED3033-ND	IC DIP SOCKET 40 POS GOLD
SOCKET--U14	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD
SOCKET--U15	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD
SOCKET--U16	40	SA406040	ED3033-ND	IC DIP SOCKET 40 POS GOLD
SOCKET--U18	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD
SOCKET--U19	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD
SOCKET--U20	16	SA163000	ED3016-ND	IC DIP SOCKET 16 POS GOLD
SOCKET--U21	16	SA163000	ED3016-ND	IC DIP SOCKET 16 POS GOLD
SOCKET--U22	16	SA163000	ED3016-ND	IC DIP SOCKET 16 POS GOLD
SOCKET--U23	14	SA143000	ED3014-ND	IC DIP SOCKET 14 POS GOLD
SOCKET--U26	14	SA143000	ED3014-ND	IC DIP SOCKET 14 POS GOLD
SOCKET--U27	14	SA143000	ED3014-ND	IC DIP SOCKET 14 POS GOLD
SOCKET--U28	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD

SOCKET--U29	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD
SOCKET--U30	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD
SOCKET--U31	20	SA203000	ED3020-ND	IC DIP SOCKET 20 POS GOLD
SOCKET--U32	14	SA143000	ED3014-ND	IC DIP SOCKET 14 POS GOLD
SW1	SPST-NO	PTS645SL43-2 LFS	CKN9098-ND	SWITCH TACTILE SPST-NO 0.05A 12V
SW2	SPST-NO	PTS645SL43-2 LFS	CKN9098-ND	SWITCH TACTILE SPST-NO 0.05A 12V
SW3	SPDT	T101MH9AQE	CKN10963-ND	TOGGLE SWITCH SPDT THROUGH HOLE, RIGHT ANGLE
SW4	4-POS DIP	JS0104AP4-S	JS0104AP4-S-ND	DIP SWITCH SPST 4 POSITION THROUGH HOLE SLIDE
SW5	4-POS DIP	JS0104AP4-S	JS0104AP4-S-ND	DIP SWITCH SPST 4 POSITION THROUGH HOLE SLIDE
TP1		61300111121	732-5314-ND	CONNECTOR HEADER THROUGH HOLE 1 POSITION
TP2		61300111121	732-5314-ND	CONNECTOR HEADER THROUGH HOLE 1 POSITION
TP3		61300111121	732-5314-ND	CONNECTOR HEADER THROUGH HOLE 1 POSITION
TP4		61300111121	732-5314-ND	CONNECTOR HEADER THROUGH HOLE 1 POSITION
TP5		61300111121	732-5314-ND	CONNECTOR HEADER THROUGH HOLE 1 POSITION
TP6		61300111121	732-5314-ND	CONNECTOR HEADER THROUGH HOLE 1 POSITION