





12.10 (cm)

Comment	Description	Designator	Footprint	LibRef	Quantity
	Trimmer,				
POT	Potentiometer	1	TRIM_3296W1103LF	3296W1103LF	1
	10kohm 25turn Thd				
LCD	Alphanumic LCD	ALCD1	LCD_2X16 BLUE -	LCD	1
	7.101.01.01.02.02	7.200	2.5mm	202	
ATmega16L-8PI	8-Bit AVR				
	Microcontroller with				
	16K Bytes of In-	ATmega1	40P6	ATmega16L-8PI	1
	System Programmable				
	Flash Memory				
	DIODE ZENER			ZENER GENERAL	
5.1V	GENERAL	BZT1	SOD123	DIODE	1
100nF	CAP 1206	C1, C2, C3, C4, C7	CAPC4817X12N	CAP SMD 1206	5
10uF	CAP 1206	C5	CAPC4817X12N	CAP SMD 1206	1
	TOTAL INDUCTOR			INDUCTOR SMD	'
1u	SMD PACK	C6	IND1206	PACKAGE	1
22uF	CAP 1206	C8, C9	CAPC4817X12N	CAP SMD 1206	2
75pF	CAP 1206	C10	CAPC4817X12N	CAP SMD 1206	1
	0404007	C_Oscillator1,	0.4.00.4.04.7.V4.0.N.I	040040404	
22pF	CAP 1206	C_Oscillator2	CAPC4817X12N	CAP SMD 1206	2
1n5822	Schottky Rectifiers	D1	DO-214AB(SMC)	1N5822 SMD	1
SMBJ16A	600W, 18.8V, 5%,	D2	DIOM4336X265N	SMBJ16A	1
	Unidirectional, TVS				
	DC Power Jack.	505	505		
DC Power Jack	Center Pin 2.5mm.	DC Power Jack1	DC Power Jack 1	DC Power Jack	1
F=3.0 A	Diameter: 5.7mm SMD Fuses 1206	F1	1206 FUSE	Fuse SMD1206	1
F=3.0 A	DIP Socket, Stamped	r i	AMPHENOL_DILB16P-	ruse sivid 1200	1
16 Pin Dip Socket	and Formed	J1	223TLF	DILB16P-223TLF	1
SMD 1206 LED	SMD 1206 LED	LED TPS1	LED 1206	LED SMD 1206	1
2N2222	NPN Transistor	Q1	2N2222	2N2222	1
		R1, R2, R3, R4, R5, R6,			
330	Resistor	Shit LED1	1206_Res	Res	7
		R7, R8, R9, R10, R11,			_
330	RES 1206	R13, R14	RESC4817X04N	RES 1206 0.25W	7
1K	Resistor	R12	1206_Res	Res	1
49K	Resistor	R15	1206_Res	Res	1
10K	Resistor	R16, R17, R18, R19	1206_Res	Res	4
49.9	RES 1206	R20	RESC4817X04N	RES 1206 0.25W	1
511K	RES 1206	R21	RESC4817X04N	RES 1206 0.25W	1
100K	RES 1206	R22	RESC4817X04N	RES 1206 0.25W	1
105K	RES 1206	R23	RESC4817X04N	RES 1206 0.25W	1
13K	RES 1206	R24	RESC4817X04N	RES 1206 0.25W	1
10K	RES 1206	R_RST1, R_SW1	RESC4817X04N	RES 1206 0.25W	2
Switch PB	Push Button Switch	RESET1, RESET2	Switch - Push to On	Switch PB	2
TPS54202DDCR	4.5V to 28V Input, 2A				
	Output, EMI Friendly	U1	SOT95P280X110-6N	TPS54202DDCR	
	Synchronous Step-				1
	Down Converter 6- SOT-23-THIN -40 to				
	125				
7D270K	VARISTORS	VR1	07D XXX	VARISTOR (VDR)	1
8Mhz	Crystal Oscillator	Y1	Crystal	XTAL	1
OIVIIIZ	or ystar Oscillator	<u> </u>	oi ystai	IVIUE	