





Potentiometer 1	Comment	Description	Designator	Footprint	LibRef	Quantity
Aphanumic LCD	POT	Trimmer, Potentiometer	1	TRIM_3296W1103LF	3296W1103LF	1
Alternative		10kohm 25turn Thd		_		
ATmega16L-8PI	LCD	Alphanumic LCD	ALCD1		LCD	1
Display	ATmega16L-8PI	Microcontroller with 16K Bytes of In- System Programmable	ATmega1	40P6	ATmega16L-8PI	1
TOUF CAP 1206 C5	5.1V		BZT1	SOD123		1
CAP 1206 CB, C9	100nF	CAP 1206	C1, C2, C3, C4, C7	CAPC4817X12N	CAP SMD 1206	5
CAP 1206	10uF			CAPC4817X12N	CAP SMD 1206	1
CAP 1206	22uF		C8, C9			2
CAP 1206 C. C. C. C. C. C. C. C	75pF	CAP 1206	C10	CAPC4817X12N	CAP SMD 1206	
December	22pF	CAP 1206		CAPC4817X12N	CAP SMD 1206	2
December	1n5822	Schottky Rectifiers	D1	DO-214AB(SMC)	1N5822 SMD	1
Unidirectional, TVS	SMRI16A	600W, 18.8V, 5%,	D2	DIOM4336X265N	SMR116A	1
DC Power Jack Center Pin 2.5mm. Diameter: 5.7mm Diameter: 5.	SIVIDI TOA			DIOWHOOMEOSIV	SIVIDS TO/T	'
F=3.0 A SMD Fuses 1206 F1 1206 FUSE Fuse SMD1206 1 16 Pin Dip Socket Dip Socket, Stamped and Formed TOTAL INDUCTOR SMD PACK SMD PACK SMD PACK SMD 1206 LED SMD 12	DC Power Jack	Center Pin 2.5mm.	DC Power Jack1	DC Power Jack 1	DC Power Jack	1
Dip Socket Dip Socket Dip Socket Stamped and Formed Dip Socket Stamped and Formed Dip Socket	F=3.0 A	SMD Fuses 1206	F1	1206 FUSE	Fuse SMD1206	1
Total Inductor Tota	16 Pin Dip Socket					
SMD PACK L IND1206 PACKAGE 1 SMD 1206 LED SMD 1206 LED LED_TPS1 LED 1206 LED SMD 1206 1 2 2 2 2 2 2 2 2 2		·	J.I	223TLF	DILB16P-2231LF	1
SMD 1206 LED SMD 1206 LED LED_TPS1 LED 1206 LED SMD 1206 1	15uH		L	IND1206		1
NPN Transistor	SMD 1206 LED		LED TPS1	LED 1206		1
Resistor R1, R2, R3, R4, R5, R6, R25, Shit LED1 R206_Res Res R	2N2222					1
RES 1206 R7, R8, R9, R10, R11, R13, R14 RESC4817X04N RES 1206 0.25W 7	330		R1, R2, R3, R4, R5, R6,			8
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 13K RES 1206 R23 RESC4817X04N RES 1206 0.25W 1 10K RES 1206 R24 RESC4817X04N RES 1206 0.25W 1 10K RES 1206 R_RST1, R_SW1 RESC4817X04N RES 1206 0.25W 1 Switch PB Push Button Switch RESET1, RESET2 Switch - Push to On Switch PB 2 TPS54202DDCR 4.5V to 28V Input, 2A Output, EMI Friendly Synchronous Step-Down Converter 6-SOT-23-THIN -40 to 125 SOT95P280X110-6N TPS54202DDCR 1 7D270K VARISTORS VR1 07D XXX <td>330</td> <td>RES 1206</td> <td>R7, R8, R9, R10, R11,</td> <td>RESC4817X04N</td> <td>RES 1206 0.25W</td> <td>7</td>	330	RES 1206	R7, R8, R9, R10, R11,	RESC4817X04N	RES 1206 0.25W	7
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 10K RES 1206 R24 RESC4817X04N RES 1206 0.25W 1 10K RES 1206 R_RST1, R_SW1 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 Synchronous Step-Down Converter 6-SOT-23-THIN -40 to 125 SWITCH - Push to On TPS54202DDCR 1 7D270K VARISTORS VR1 07D XXX <td< td=""><td>1K</td><td>Resistor</td><td></td><td>1206 Res</td><td>Res</td><td>1</td></td<>	1K	Resistor		1206 Res	Res	1
10K Resistor R16, R17, R18, R19 1206_Res Res 449.9 RES 1206 R20 RESC4817X04N RES 1206 0.25W 1511K RES 1206 R21 RESC4817X04N RES 1206 0.25W 1100K RES 1206 R22 RESC4817X04N RES 1206 0.25W 1100K RES 1206 R23 RESC4817X04N RES 1206 0.25W 1105K RES 1206 R23 RESC4817X04N RES 1206 0.25W 110K RES 1206 R24 RESC4817X04N RES 1206 0.25W 110K RES 1206 R_24 RESC4817X04N RES 1206 0.25W 110K RES 1206 R_25	49K			_		1
RES 1206 R20 RESC4817X04N RES 1206 0.25W 1	10K	Resistor	R16, R17, R18, R19		Res	4
Test	49.9	RES 1206		RESC4817X04N	RES 1206 0.25W	1
105K RES 1206 R23 RESC4817X04N RES 1206 0.25W 1	511K	RES 1206	R21			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 4.5V to 28V Input, 2A Output, EMI Friendly Synchronous Step-Down Converter 6-SOT-23-THIN -40 to 125 SOT95P280X110-6N TPS54202DDCR 1 7D270K VARISTORS VR1 07D XXX VARISTOR (VDR) 1	100K	RES 1206	R22	RESC4817X04N	RES 1206 0.25W	1
10K RES 1206 R_RST1, R_SW1 RESC4817X04N RES 1206 0.25W 2	105K	RES 1206	R23	RESC4817X04N	RES 1206 0.25W	1
Switch PB Push Button Switch RESET1, RESET2 Switch - Push to On Switch PB 2 4.5V to 28V Input, 2A Output, EMI Friendly Synchronous Step-Down Converter 6-SOT-23-THIN -40 to 125 U1 SOT95P280X110-6N TPS54202DDCR 1 7D270K VARISTORS VR1 07D XXX VARISTOR (VDR) 1	13K	RES 1206	R24	RESC4817X04N	RES 1206 0.25W	1
4.5V to 28V Input, 2A Output, EMI Friendly Synchronous Step- Down Converter 6- SOT-23-THIN -40 to 125 VARISTORS VR1 VARISTORS VR1 VARISTOR (VDR) VARISTOR (VDR) VARISTOR (VDR) VARISTOR (VDR) VARISTOR (VDR) VARISTOR (VDR)	10K	RES 1206	R_RST1, R_SW1	RESC4817X04N	RES 1206 0.25W	2
Output, EMI Friendly Synchronous Step-Down Converter 6-SOT-23-THIN -40 to 125 TD270K Output, EMI Friendly Synchronous Step-Down Converter 6-SOT-23-THIN -40 to 125 VARISTORS VR1 SOT95P280X110-6N TPS54202DDCR 1 1 SOT95P280X110-6N TPS54202DDCR 1 1 1 1 1 1 1 1 1 1 1 1 1	Switch PB		RESET1, RESET2	Switch - Push to On	Switch PB	2
7D270K VARISTORS VR1 07D XXX VARISTOR (VDR) 1	TPS54202DDCR	Output, EMI Friendly Synchronous Step- Down Converter 6- SOT-23-THIN -40 to	U1	SOT95P280X110-6N	TPS54202DDCR	1
	7D270K		VR1	07D XXX	VARISTOR (VDR)	1
JIVITE TOTYSTALOSCHIATOL ITT TOTYSTAL TATAL I	8Mhz	Crystal Oscillator	Y1	Crystal	XTAL	1