Designator	Value	Footprint	Description	LibRef	Quantity
				Cap Film Radial - 4 Leads -	
C1, C2, C4		Radial - 4 Leads - 30uF	Radial - 4 Leads	30uF	3
C3, C6, C9		Radial - 4 Leads	Radial - 4 Leads	Cap Film Radial - 4 Leads	3
C5		Panasonic ECA-1HM331	Capacitor Aluminum 330uF 50V	Cap Alum 330uF 50V	1
C7	1uF 50V	1206	CAP CER 1UF 50V X7R 1206	Cap 1206	1
C8, C195 C10, C11, C35, C36, C60, C61, C105, C106, C110, C111, C115, C116,		1812 (4532 Metric)	CAP CER 1000PF 2KV X7R 1812	Cap 3kV 220pF	2
C120, C121, C145, C146, C170, C171	1uF	0603 (1608 Metric)	CAP CER 1UF 50V X5R 0603	Cap 0603_new	18
C12, C13, C18, C20, C22, C25, C27, C29, C31, C37, C38, C43, C45,		,			
C47, C50, C52, C54, C56, C62, C63, C68, C70, C72, C75, C77, C79,					
C81, C88, C90, C92, C95, C97, C99, C101, C107, C108, C112, C113,					
C117, C118, C122, C123, C128, C130, C132, C135, C137, C139,					
C141, C147, C148, C153, C155, C157, C160, C162, C164, C166,					
C172, C173, C178, C180, C182, C185, C187, C189, C191, C200, C203, C209, C212, C213, C214, C216, C218, C220, C226, C227,					
C228, C230, C232, C234, C240, C241, C242, C244, C246, C248,					
C255, C256, C258, C262, C263, C265, C269, C270, C272, C276	0.1uF	0603 (1608 Metric)	CAP CER 0.1UF 50V Y5V 0603	Cap 0603_new	98
C14, C39, C64, C109, C114, C119, C124, C149, C174	330pF	0603 (1608 Metric)	CAP CER 330PF 50V COG 0603	Cap 0603_new	9
C15, C40, C65, C85, C125, C150, C175	1000pF	RAD-0.3	CAP CER 1000PF 1KV Y5P RADIAL	Cap	7
	,			·	
C16, C19, C21, C24, C26, C28, C33, C41, C44, C46, C49, C51, C53, C58, C66, C69, C71, C74, C76, C78, C83, C86, C89, C91, C94, C96,					
C98, C103, C126, C129, C131, C134, C136, C138, C143, C151, C154,					
C156, C159, C161, C163, C168, C176, C179, C181, C184, C186,					
C188, C193, C202, C205, C208, C215, C217, C219, C221, C229,					
C231, C233, C235, C243, C245, C247, C249, C257, C259, C264,					
C266, C271, C273	10uF	0603 (1608 Metric)	CAP CER 10UF 35V X5R 0805	Cap 0603_new	70
C17, C42, C67, C87, C127, C152, C177 C23, C32, C48, C57, C73, C82, C93, C102, C133, C142, C158, C167,	22uF	0805 (2012 metric)	CAP CER 22UF 35V X5R 0805	Cap 0805	7
C183, C192	4.7uF	0805 (2012 metric)	CAP CER 4.7UF 50V X5R 0805	Cap 0805	14
C30, C34, C55, C59, C80, C84, C100, C104, C140, C144, C165, C169,					
C190, C194	0.01uF	0603 (1608 Metric)	CAP CER 10000PF 100V X7R 0603	Cap 0603_new	14
C196, C197	100uF	1206	CAP CER 100UF 10V JB 1206	Cap 1206	2
C201, C204	10nF	0603 (1608 Metric)	CAP CER 0603 10NF 50V U2J 5%	Cap 0603_new	2
C210, C211, C222, C223, C224, C225, C236, C237, C238, C239,		0502 (4500 M)	NG	C 0C03	
C250, C251, C254, C260, C261, C267, C268, C274	NC	0603 (1608 Metric)	NC	Cap 0603_new	18
C275 D1, D2, D9, D10, D17, D18, D31, D32, D33, D34, D35, D36, D37,	10uF 50V	1206	CAP CER 10UF 50V X5R 1206	Cap 1206	1
D38, D45, D46, D53, D54	ESD	SOT323_ESD	TVS DIODE	Diode_ESD	18
D3, D6, D11, D14, D19, D22, D25, D28, D39, D42, D47, D50, D55,					
D58		SOD-123	DIODE SCHOTTKY 20V 500MA SOD123	Diode MBR0520	14
D4, D7, D12, D15, D20, D23, D26, D29, D40, D43, D48, D51, D56, D59		0805 (2012 Metric) Diode	LED 0805	LED	14
D5, D8, D13, D16, D21, D24, D27, D30, D41, D44, D49, D52, D57,		(=			
D60		POWERDI	DIODE ZENER POWERDI123	Diode Zener POWERDI123	14
D61		SMCJ48A	DIODE TVS	DIODE TVS	1
FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8, FB9, FB10, FB11, FB12, FB13,					
FB14, FB15, FB16, FB17, FB18, FB19, FB20, FB21, FB22, FB23, FB24,					
FB25, FB26, FB27, FB28, FB29	1K	0603 (1608 Metric)	FERRITE BEAD 1 KOHM 0603 1LN	Ferrite bead	29
		Connector D-Sub		Conn D-Sub Receptacle 25	
J1		Receptacle 25 pos	D-Sub Receptacle 25 Position A35111-ND	positions	1
L1, L2, L3, L4, L6, L7		IND_PM6249	Inductor N27 315nH PM6249	Inductor N27 315nH PM6249	6
L5		CM Choke	CM Choke 2.2MH 16A 3LN TH	CMC 1.5MH 20A	1
L8		Ind SM 56UH	FIXED IND 56UH 700MA 481 MOHM	Inductor 10uH	1
L9	İ	Ind SM 4_7UH	FIXED IND 4.7UH 1.2A 105 MOHM	Inductor 10uH	1
P1	İ	2 pin Terminal	2 pin Terminal	2 pin Terminal	1
	İ	•		Terminal Blocks - Barrier	
P2, P3		Terminal Barrier 3PIN	CONN BARRIER STRIP 3CIRC 0.325"	Blocks	2
PS1		6-DIP Module	DC/DC CONVERTER +/-5V 10W	PYB10-Q24-D5	1
R1, R2, R4, R5, R7, R8	0.05R	Res Precision CSM3637Z	RES SMD 0.02 OHM 0.1% 2W 3637	Resistor Precision	6
R3, R6, R9	10R	Axial 50mm	RES 5.0 OHM 10W 1% WW AXIAL	Resistor Power	3
R10, R19, R28, R41, R53, R65, R77, R86, R95	160k	0603 (1608 Metric)	Resistor 0603	Resistor 0603	9
R11, R14, R20, R23, R29, R32, R44, R52, R56, R64, R68, R76, R78, R81, R87, R90, R96, R99	120	1206	12 Ohm ±0.5% 0.25W, 1/4W Chip Resistor 1206	Resistor 1206	10
לכת ,טכח ,טכח ,טכח ,טכח ,טכח ,טכח ,טכח ,טכח	12R	1200	RES SIVID TO OFFIVE 0.05% T/TOW 0603, RES	NESISTOL 1700	18
			SMD 10 OHM 0.05% 1/10W 0603, RES SMD		
			10 OHM 0.05% 1/10W 0603, RES SMD 10		
			OHM 0.05% 1/10W 0603, [NoValue], [NoValue], [NoValue], [NoValue],		
R12, R13, R21, R22, R51, R63, R75, R176, R177, R178	0R	0603 (1608 Metric)	[NoValue]	Resistor 0603	10
K12, K13, K21, K22, K51, K63, K75, K176, K177, R178	OR	UOU3 (1608 Metric)	[ivovaiue]	Resistor UbU3	1

R15, R17, R24, R26, R33, R35, R37, R39, R82, R84, R91, R93, R100,					
R102	3.9k	0603 (1608 Metric)	RES SMD 3.9K OHM 5% 1/10W 0603	Resistor 0603	14
R16, R25, R34, R38, R83, R85, R101	32.4k	0603 (1608 Metric)	RES SMD 32.4KOHM 0.5% 1/10W 0603	Resistor 0603	7
R18, R27, R36, R40, R92, R94, R103	10k	0603 (1608 Metric)	RES SMD 10K OHM 0.5% 1/16W 0603	Resistor 0603	7
R30, R31, R45, R48, R57, R60, R69, R72, R79, R80, R88, R89, R97,					
R98	10R	0603 (1608 Metric)	RES SMD 10 OHM 0.05% 1/10W 0603	Resistor 0603	14
			RES SMD 332K OHM 0.1% 1/4W 1206, RES		
			SMD 332K OHM 0.1% 1/4W 1206, Resistor		
			1206, RES SMD 332K OHM 0.1% 1/4W 1206, RES SMD 332K OHM 0.1% 1/4W 1206, RES		
			SMD 332K OHM 0.1% 1/4W 1206, Resistor		
			1206, RES SMD 332K OHM 0.1% 1/4W 1206,		
			RES SMD 332K OHM 0.1% 1/4W 1206, RES		
			SMD 332K OHM 0.1% 1/4W 1206, Resistor		
			1206, RES SMD 332K OHM 0.1% 1/4W 1206,		
			RES SMD 332K OHM 0.1% 1/4W 1206, RES		
			SMD 332K OHM 0.1% 1/4W 1206, RES SMD		
			332K OHM 0.1% 1/4W 1206, RES SMD 332K OHM 0.1% 1/4W 1206, RES SMD 332K OHM		
R42, R43, R47, R49, R54, R55, R59, R61, R66, R67, R71, R73, R201,			0.1% 1/4W 1206, RES SMD 332K OHM 0.1%		
R202, R203, R205, R206, R207	NC	1206	1/4W 1206	Resistor 1206	18
R46, R58, R70	1k	1206	RES SMD 1K OHM 0.1% 1/4W 1206	Resistor 1206	3
R50, R62, R74	402k	1206	RES SMD 402K OHM 0.1% 1/4W 1206	Resistor 1206	3
R104, R105, R108, R109, R114, R115, R117, R119, R120, R121, R124 R125, R130, R131, R133, R135, R136, R137, R140, R141, R146, R147, R149, R151, R152, R154, R157, R159, R160, R162, R165, R167, R168 R170, R173, R175	,	0603 (1608 Metric)	RES SMD 499 OHM 0.1% 1/10W 0603	Resistor 0603	36
R106, R107, R110, R111, R112, R113, R116, R118, R122, R123, R126 R127, R128, R129, R132, R134, R138, R139, R142, R143, R144, R145 R148, R150, R153, R155, R156, R158, R161, R163, R164, R166, R169 R171, R172, R174	,	0603 (1608 Metric)	NC	Resistor 0603	36
R179, R180, R199, R200	0R	1206	Resistor 1206	Resistor 1206	4
R181, R182, R183, R184, R185, R186, R187, R188, R189, R190, R191					1
R192, R193, R194, R195, R196, R197, R198	49R9	0603 (1608 Metric)	RES SMD 49.9 OHM 0.5% 1/16W 0603	Resistor 0603	18
SW1		Toggle SW	Toggle Switch	Toggle Switch	1
T1, T2, T3, T4, T5, T6, T7		Xmr SN6501	TRANSFORMER SMD TR1.7 SN6501	750313769	7
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12		TP_1.6mm	Test point	Testpoint	12
U1, U5, U9, U16, U17, U18, U19, U23, U27		SOIC8	IC OPAMP ISOLATION 100KHZ 8SOIC	AMC1100	9
U2, U6, U10, U13, U20, U24, U28		SOT23-5	IC REG LDO 5V 0.15A SOT23-5	TLV70450DBV	7
U3, U7, U11, U14, U21, U25, U29		SOT23-5	IC REG CONV PWR SUPPLIES SOT23-5	SN6501	7
U4, U8, U12, U15, U22, U26, U30		8-TSSOP	IC REG LDO NEG ADJ 0.2A 8MSOP	TPS7A30	7
U32		SOT_23	Series Voltage Reference IC ±0.2% 25mA SOT 23-3	- ISL21010	1
	1	· ·		- 11T	