

Designator	Value	Footprint	Description	LibRef	Quantity
C1, C2, C4		Radial - 4 Leads - 30uF	Radial - 4 Leads	Cap Film 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		1812 (4532 Metric)	CAP CER 1000PF 2KV X7R 1812	Cap 3kV 220pF	2
C10, C11, C35, C36, C60, C61, C105, C106, C110, C111, C115, C116, 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 C0G 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	22uF	0805 (2012 metric)	CAP CER 22UF 35V X5R 0805	Cap 0805	7
C23, C32, C48, C57, C73, C82, C93, C102, C133, C142, C158, C167, 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, C250, C251, C254, C260, C261, C267, C268, C274	NC	0603 (1608 Metric)	NC	Cap 0603_new	18
C275	10uF 50V	1206	CAP CER 10UF 50V X5R 1206	Cap 1206	1
D1, D2, D9, D10, D17, D18, D31, D32, D33, D34, D35, D36, D37, 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
J1		Connector D-Sub Receptacle 25 pos	D-Sub Receptacle 25 Position A35111-ND	Conn D-Sub Receptacle 25 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		Ind SM 4.7UH	FIXED IND 4.7UH 1.2A 105 MOHM	Inductor 10uH	1
P1		2 pin Terminal	2 pin Terminal	2 pin Terminal	1
P2, P3		Terminal Barrier 3PIN	CONN BARRIER STRIP 3CIRC 0.325"	Terminal Blocks - Barrier 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	12R	1206	12 Ohm ±0.5% 0.25W, 1/4W Chip Resistor 1206	Resistor 1206	18
R12, R13, R21, R22, R51, R63, R75, R176, R177, R178	0R	0603 (1608 Metric)	RES 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], [NoValue]	Resistor 0603	10

[illegible]