

P/N	Title	Detail	Reference(m)	Mfr P/N
C-0023	CAP CERM .1UF 50V CHIP 1206 X7R	1206 SMD	C8, C17, C19, C22, C23, C24, C25, C26, C27, C29, C34, C35, C36, C37, C43, C44, C46, C52, C53, C54, C55, C56, C64, C69, C84, C88	12065C104KAT2A
C-0027	CAP ELECT 470uf 25V	FC SMD	C15, C57, C92	EEE-FK1E471P
C-0030	CAP TRIM .7-20PF SMT GREEN	0.7 to 20pF Film Trimmer SMD	C45	2807S1R020NHD4BAA
C-0096	CAP CERM 10000PF 50V CHIP X7R	0805 SMD	C105, C106	GRM216R71H103KA01D
C-0117	CAP CER 1UF 25V X5R	0805 SMD	C65, C71, C80, C108	C0805C105Z3VAC7800
C-0136	CAP MICA 12PF 5% RADIAL	12pF TH	C10	FR15120J501LF
C-0137	CAP MICA 15PF 500V RADIAL	15pF TH	C9, C66	FR15150J501LF
C-0138	CAP MICA 20PF 500V RADIAL	20pF TH	C67	FR15200J501LF
C-0139	CAP MICA 22PF 500V RADIAL	22pF TH	C59	FR15220J501LF
C-0140	CAP MICA 43pF 500V RADIAL	43pF TH	C20	FR15430J501LF
C-0141	CAP MICA 50PF 500V RADIAL	50pF TH	C58	FR15500J501LF
C-0142	CAP MICA 68PF 500V RADIAL	68pF TH	C6, C7, C21	FR15680J501LF
C-0143	CAP MICA 100PF 500V RADIAL	100pF TH	C47, C61, C63, C81	FR15101J501LF
C-0144	CAP MICA 120PF 500V RADIAL	120pF TH	C82	FR15121J501LF
C-0145	CAP MICA 220PF 500V RADIAL	220pF TH	C3, C4, C73	FR15221J501LF
C-0146	CAP MICA 180PF 500V RADIAL	180pF TH	C12, C48, C49	FR15181J501LF
C-0147	CAP MICA 750PF 500V 10% RADIAL	750pF TH	C30	FR19751J501LF
C-0148	CAP MICA 360PF 500V RADIAL	360pF TH	C62, C87	FR15361J501LF
C-0149	CAP MICA 390PF 500V RADIAL	390pF TH	C13, C14	FR15391J501LF
C-0150	CAP MICA 680PF 500V RADIAL	680pF TH	C74, C75	FR19681J501LF
C-0151	CAP MICA 1000pf 500V RADIAL	1000PF TH	C86	FR19102J501LF
C-0152	CAP MICA 1200PF 500V RADIAL	1200pF TH	C1, C2	FR19122J501LF

C-0153	CAP MICA 2700PF 500V RADIAL	2700pF TH	C5	FR19272J501LF
C-0192	CAP CERAMIC 10UF 25V X5R	1206 SMD	C70, C78	C1206C106K3PACTU
C-0206	CAP CER .1UF 25V Y5V	0402 SMD	C11, C18, C68, C72, C76, C77, C79, C93, C94, C95, C96, C97, C98, C103, C104, C107, C117	GRM155F51E104ZA01D
C-0255	CAP CERAMIC .47UF 100V X7R	1206 SMD	C83, C85	GRM21BR71H474KA88L
C-0258	CAP CERM 470PF 5% 100V NP0	1206 SMD	C51	C1206C471J1GACTU
C-NP	CAP NO POPULATE	NP	C16, C28, C38, C39, C40, C41, C42, C60, C89, C90, C91, C99, C100, C101, C102, C113, C114, C115, C116, C118, C119	
D-0015	DIODE SWITCH 75V 200MA SOD323	BAS16WX-TP SMD	D2, D5	BAS16WX-TP
D-0017	DIODE LDO 3A 50V 100A OVERLD SMC	S3A-13-F SMD	D1	S3A-13-F
D-0018	DIODE SCHOTTKY 70V 333MW SOD123	1N5711W-7-F SMD	D3, D4	1N5711W-7
DOC-0016	DOC HPA100 ASSY INSTRUCTIONS	FLEX-5000		
F-0012	FUSE AUTO 30A, 32VDC MINI BLADE TERMINAL		F1	0297030
FB-0006	FERRITE ARRAY 200MA 1000 OHM	DA1206B102R- 10 SMD	L13, L16, L17, L20, L21	DA1206B102R-10
H-0119	FUSEHOLDER MINI AUTO .025	TH	F1, F2	3544-2
H-0138	RIVET ALUMINUM 1/8".275"			
J-0020	CONN HEADER 2POS .156 VERT TIN	TH	J5	26-60-4020
J-0110	CONN .100" 10P LOW PROF HDR STRT 4WALL GLDFL	TH	SV2	30310-6002HB
J-0111	CONN .100" LP HDR 20P STRT 4WALL GLDFL	TH	SV1	30320-6002HB

J-0117	CONN MATE-N-LOK 4 POS STD RT ANGLE	TH	J2	1-350944-0
J-0118	CONN BNC PCB RECEPTACLE	TH	J3	523-31-5329-52RFX
K-0010	RELAY LOW SIG DPDT 12VDC NON- LATCH	SMD	K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13, K14	G6S-2F-DC12
L-0011	INDUCTOR 2.0uH TOROIDAL	2.0uH T50-2 #22awg/19T TH	L18, L19	
L-0012	INDUCTOR 1.3uH TOROIDAL	1.3uH T50-2 #22awg/14T TH	L5, L6	
L-0013	INDUCTOR 550nH T50-6 TOROIDAL	550nH T50-6 #22awg/11T TH	L10	
L-0014	INDUCTOR 600nH TOROIDAL	600nH T50-6 #22awg/12T TH	L11	
L-0015	INDUCTOR 430nH TOROIDAL	430nH T50-6 #22awg/9T TH	L14, L15	
L-0016	INDUCTOR 300nH TOROIDAL	300nH T50-6 #22awg/7T TH	L3, L4	
L-0017	INDUCTOR 4.0uH TOROIDAL	4.0uH T50-2 #24awg/27T TH	L1, L2	
L-0098	INDUCTOR 160nH TOROIDAL	160nH 9T #22 ON T50-17 TH	L8, L9	
L-0099	INDUCTOR 25.6uH TOROIDAL 8T FT82- 43	25.6uH 8T #18 FT82-43 TH	L7, L12	
PC-0019	PCB HPA100			
Q-0008	TRANSISTOR MOSFET N-CH 25V 680MA SOT-23	FDV303N SOT- 23 SMD	Q8	FDV303N
Q-0011	TRANS AMP NPN GP 40V .5A SOT- 223	PZT2222A SMD	Q6	PZT2222A
Q-0012	MOSFET P-CHAN 30V 11A 8SOIC	FDS6675 SMD	Q7	FDS6675
R-0106	RES 2.2K OHM 1/10W 5%	2.2K 0603 SMD	R1, R5, R11, R21	
R-0119	RES 1.00K OHM 1/10W 1%	0603 SMD	R20, R26	CRCW06031K00FKEA
R-0133	RES 5.10K OHM 1/10W 1%	0603 SMD	R23	RK73H1JT5D5101F
R-0140	RES 127 OHM 1/10W 1%	0603 SMD	R34, R35, R36, R37	CRCW0603127RFKEA
R-0142	RES 249K OHM 1/10W 1%	0603 SMD	R24, R25, R28, R29	CRCW0603249KFKEA
R-0148	RESISTOR .100 OHM 1/2W 1% 100PPM	1206 SMD	R2, R2	LR1206-01-R100-FT
R-0149	RES .01 OHM 3W 1%	4527 SMD	R3, R30	WSR3R0100FEB

R-0150	RES 1.0 OHM 1/4W 5%	1206 SMD	R6, R13	CRCW12061R00JNEA
R-0151	RES 22.0 OHM 1/4W 1%	1206 SMD	R15, R16	RC1206FR-0722RL
R-0152	RES 47.0 OHM 1/4W 1%	1206 SMD	R4, R12	RK73H2BTDD47R0F
R-0153	RES .50 OHM 2W 5% METAL OXIDE AXIAL	TH	R9, R19	MOX2CT631RR56J
R-0154	RES 22 OHM 2W 5% METAL OXIDE AXIAL	TH	R8, R18	MO2CT631R220J
R-0155	RES 18 OHM 3W 5% METAL OXIDE AXIAL	TH	R10, R17	MOS3C180J
R-0156	RES 10.0K OHM 1/10W 1%	0603 SMD	R27	RK73H1JTDD1002F
RN-0003	RES ARRAY 2.7KOHM 8TERM 4RES	SMD	RN1	CN1J4TTD272J
RN-0006	RES ARRAY 100K OHM 5% 4 RES	SMD	RN2, RN3, RN4, RN5, RN6	CAY16-104J4LF
R-NP	RES NO POPULATE	NP	R7, R14, R22, R32	
T-0014	TRANSFORMER 1:4 BINOCULAR .5 IN CORE	TH	T2	
T-0018	TRANSFORMER 100:1 T50-61 CORE	FEEDBACK TRANSFORMER TH	T3	
KIT-0056	TRANSFORMER 1:16 BINOCULAR 1.25 IN CORE ASSY	TH	T4	
T-0017	TRANSFORMER 1:100 T50-43 CORE	HORIZONTAL PWR BRIDGE TH	T5	
T-0015	TRANSFORMER TOROIDIAL 8T BIFILAR T50-43	TH	T1	
U-0047	IC I2C I/O EXPANDER GP 24- TSSOP	PCA9555PW SMD	IC9	PCA9555PW
U-0053	IC LDO REG 3.3V 200MA SOT23-5	TPS79333DBVR SMD	IC7	TPS79333DBVR
U-0083	IC LOW CURRENT REGU	UA78L05ACPK SOT-89 SMD	IC8	UA78L05ACPK
U-0094	IC POT QUAD 20K 256POS 24-TSSOP	AD5263BRU20 SMD	IC4, IC5	AD5263BRUZ20

U-0109	IC DARL TRANSIST ARRAY HV 16-SOIC	SN75468D SMD	IC6	SN75468D
U-0114	IC ADC 12BIT 50KSPS 8CH 16TSSOP	ADS7828E SMD	IC10	ADS7828E/250
U-0116	IC DUAL D-TYPE FLIP-FLOP 14-SOIC	SN74HC74D SMD	IC3	SN74HC74D
U-0120	IC CURRENT SHUNT MON SOT23-5	INA196AIDBVT SMD	IC1, IC2	INA196AIDBVT
U-0125	IC QUAD SNGL SUPP OPAMP 14- SOIC	TLC074CD SMD	IC12	TLC074CD
F-0014	FUSE AUTO 7.5A, 32VDC MINI BLADE TERMINAL		F2	029707.5
C-0246	CAP CERAMIC 100PF 100V NP0	1206 SMD	C33, C50	C1206C101J1GACTU
W-0017-1.5	WIRE #22 AWG STRANDED	WHITE TEFLON INSULATION TH		
D-NP	DIODE NO POPULATE	NP	D6	
R-0128	RES 0.0 OHM 1/10W 5%	0603 SMD	R31, R33	CRCW06030000Z0EA
R-0165	RES 1.00K OHM 1/4W 1%	1206 SMD	C70 Piggyback	
C-0266	ASSEMBLY C-0265 AND L-0087	INSTALLED AS C32 TH	C32	
C-0264	CAP MICA 30PF 5% 500V RADIAL	30 PF TH	C31	RTM15300J501LF
C-0157	CAP 1000PF 50V CERAMIC X7R	0402 SMD	C109, C110, C111, C112	VJ0402Y102KXACW1BC