

Replace	Part	Need	MPN	Description	PCS	Position	number
	10024596	KF70M00E110A		CAP ALUM, DIP, 10uF, ±20%, 100V, Dnl.6.3x11, -40°C~+105°C, Life(hours)≧105(°C)-2000h, CAPXON	1	CPS	1
	10024597	KF47M0100G125A		CAP ALUM, DIP, 47uF, ±20%, 100V, Dnl.10x12.5, -40°C~+105°C, Life(hours)≧105(°C)-2000h, CAPXON	2	CPS, CP4	1
	10024598	KF10M050F115A		CAP ALUM, DIP, 10uF, ±100%, ±20%, 50V, Dnl.8x11.5, -40°C~+105°C, Life(hours)≧105(°C)-2000h, CAPXON	1	CP1	1
	10024599	KF22M025E110A		CAP ALUM, DIP, 22uF, ±20%, 25V, Dnl.6.3x11, -40°C~+105°C, Life(hours)≧105(°C)-2000h, CAPXON	1	CP2	1
	10033338	GRM19Z7A1010K000	***	MUCC, 0.1uF, ±10%, X7R, 100V, 1206, -55°C~+125°C	4	C18, C20, C68, C71	1
Replace	10034486	C210A7R2A1010K100	***	MUCC, 0.1uF, ±10%, X7R, 100V, 1206, -55°C~+125°C	4	C18, C20, C68, C71	1
Replace	10034518	L200010A101CT		MUCC, 0.1uF, ±10%, X7R, 100V, 1206, -55°C~+125°C	4	C18, C20, C68, C71	1
	10033343	C322A5T5H100K		MUCC, 10uF, ±10%, X7S, 50V, 1210, -55°C~+125°C	3	C3, C4, C6	1
Replace	10034814	40R257R2A1010K1A2L		MUCC, 10uF, ±10%, X7R, 50V, 1210, -55°C~+125°C	3	C3, C4, C6	1
	10033344	C210A7R2A1010K		MUCC, 0.1uF, ±10%, X7R, 100V, 1206, -55°C~+125°C	2	SC3, C19	1
Replace	10034934	CL31H100ACW0NNE		MUCC, 1uF, ±10%, X7R, 100V, 1206, -55°C~+125°C, SAMSUNG	2	SC3, C19	1
	10034597	V102M1206V7R2020P0		MUCC, 1000uF, ±10%, X7R, 28V, 1206, -55°C~+125°C	4	C45, C47, C69, C72	1
Replace	1003457	L200010K25C		MUCC, 1000uF, ±10%, X7R, 28V, 1206, -55°C~+125°C	4	C45, C47, C69, C72	1
Replace	10034741	L2006G100KAT00		MUCC, 1000uF, ±10%, X7R, 28V, 1206, -55°C~+125°C	4	C45, C47, C69, C72	1
Replace	10034417	L1206R7R100Z0200B0		MUCC, 1000uF, ±10%, X7R, 28V, 1206, -55°C~+125°C	4	C45, C47, C69, C72	1
	10034474	V109M0603S1E100N0K		MUCC, 10uF, ±20%, X5R, 10V, 0603, -55°C~+85°C	2	C22, C37	1
Replace	10034578	GRM188R01A1000000	***	MUCC, 10uF, ±20%, 10V, X5R, 0603, -55°C~+85°C	2	C22, C37	1
	10034487	GRM257R2A225E0000	***	MUCC, 2.2uF, ±10%, X7R, 100V, 1210, -55°C~+125°C	2	C79, C80	1
Replace	10034780	L10R225K101CT		MUCC, 2.2uF, ±10%, X7R, 100V, 1210, -55°C~+125°C	2	C79, C80	1
	10034632	V104M201S13E250V10	***	MUCC, 0.1uF, ±20%, 25V, X5R, 0201, -55°C~+85°C	25	C5, C7, SC14, C26, C30, C31, C32, C33, C34, C35, C36, C39, C40, C42, C43, C44, C55, C63, C64, C65, C70, C75, C76, C77, C78	1
Replace	10034536	GRM03SR10101000000	***	MUCC, 0.1uF, ±20%, X5R, 25V, 0201, -55°C~+85°C	25	C5, C7, SC14, C26, C30, C31, C32, C33, C34, C35, C36, C39, C40, C42, C43, C44, C55, C63, C64, C65, C70, C75, C76, C77, C78	1
	10034874	C0201S15H04M250NTA		MUCC, 0.1uF, ±20%, X5R, 25V, 0201, -55°C~+85°C, EVANG	25	C5, C7, SC14, C26, C30, C31, C32, C33, C34, C35, C36, C39, C40, C42, C43, C44, C55, C63, C64, C65, C70, C75, C76, C77, C78	1
	10034635	V104M201S13E80R25X0	***	MUCC, 1uF, ±20%, X5R, 6.3V, 0201, -55°C~+85°C	1	C24	1
Replace	10033876	GRM03SR10101000000	***	MUCC, 1uF, ±20%, X5R, 6.3V, 0201, -55°C~+85°C	1	C24	1
	10034337	C0201S15H06R25NTX		MUCC, 1uF, ±20%, X5R, 6.3V, 0201, -55°C~+85°C	1	C24	1
Replace	10034038	V104M201S13E80R25X0	***	MUCC, 1uF, ±20%, X5R, 6.3V, 0201, -55°C~+85°C	1	C24	1
	10034705	V104M201S13E250V10	***	MUCC, 0.1uF, ±10%, 25V, X5R, 0402, -55°C~+85°C	3	C54, C56, C58	1
Replace	10033975	GRM05SR10101000000	***	MUCC, 0.1uF, ±10%, X5R, 25V, 0402, -55°C~+85°C	3	C54, C56, C58	1
	10034753	C0402SR1010100250NTN		MUCC, 0.1uF, ±10%, X5R, 25V, 0402, -55°C~+85°C	3	C54, C56, C58	1
Replace	10034723	V225M0402S13E160N0K		MUCC, 2.2uF, ±10%, X5R, 10V, 0402, -55°C~+85°C	5	C23, C27, C38, C41, C66	1
Replace	10034777	GRM05SR10101000000	***	MUCC, 2.2uF, ±10%, X5R, 10V, 0402, -55°C~+125°C	5	C23, C27, C38, C41, C66	1
Replace	10034538	C0402SR1010100250NTN		MUCC, 2.2uF, ±10%, X5R, 10V, 0402, -55°C~+125°C	5	C23, C27, C38, C41, C66	1
	10034729	V475M0402S13E100N0K		MUCC, 4.7uF, ±20%, X5R, 10V, 0402, -55°C~+85°C	6	SC4, SC5, SC6, SC7, SC8, SC9	1
Replace	1003489	GRM05SR10101000000	***	MUCC, 4.7uF, ±20%, X5R, 10V, 0402, -55°C~+85°C	6	SC4, SC5, SC6, SC7, SC8, SC9	1
Replace	10034473	C0402SR1010100250NTN		MUCC, 4.7uF, ±20%, X5R, 10V, 0402, -55°C~+85°C	6	SC4, SC5, SC6, SC7, SC8, SC9	1
	10064513	CS14-PC2A103M0W4EA		Safety Fixed capacitor, V2, Rated voltage 300V, 10uF, 14.5x5mm, Pin spacing 7.5mm	2	C1, C2	1
	11014271	5MB138CA		Transient Voltage Suppression Diodes, SMD, 600W, VR=18V, DO-214AA	2	D6, D11	1
	11014388	LMR002CT16		Diode, SCHOTTKY, Low Forward Voltage, 1P=0.4, VR=20V, VF=0.3V, SOD-123, -65°C~125°C	4	D4, D6, D12, D14	1
	11014391	5MBJ6_SCA		TVS Si-6A V00M-6.5V VC=11.2V VBR=7.22VYINT	7	D5, D13, D15, D16, D17, D22	1
Replace	11014416	50M6		TVS Si-6A V00M-6.5V VC=11.2V VBR=7.22V	7	D5, D13, D15, D16, D17, D22	1
	11034553	5MCJ38CA		Rectifier diode, SMC, VBR=100V, VF=0.4, -55~+155°C	1	D31	1
Replace	11034404	5MCJ38CA		TVS DIODE SHVM 93VC DO-214AB (SMC) 1500W	2	S02, S07	1
	11034363	5K56		5.0A(SURFACE)W0N7SCHOTTKYBARRIERRECTIFIER, 60V	4	D23, D24, D25, D26	1
Replace	11034148	5S600C-13-F		Diode, Schottky, 60V, 0A, SMC	2	S05, S06	1
Replace	11034393	5S600C		Schottky Barrier Rectifiers, 5A, SMC, 60V, VF=0.75V, -40~+150°C, LBC	2	S05, S06	1
Replace	11034391	5K56_SMC		Schottky Barrier Rectifier 60V 5A SMC	2	S05, S06	1
	11034387	5_0SMDJ3CA-H		5000W TVS, Bi-directional, VR=30V, VC=58V, SMD, DO-214AB, -55°C~+150°C	2	D2, D3	1
Replace	11034388	5_0SMDJ3CA-H		5000W TVS, Bi-directional, VR=30V, VC=58V, SMD, DO-214AB, -55°C~+150°C, YINT	2	D2, D3	1
	13014279	00027N1002		RES, 0 Ohm, 1/20W, ±100ppm/°C, ±1%, 0201	23	R20, R22, R25, R26, R28, R29, R31, R32, R37, R39, R18, R19, R20, R121, R122, R123, R124, R125, R126, R127, R128, R147, R153, R155	1
	13014699	RC0201FR-0708R		RES, 0 Ohm, 1/20W, ±100ppm/°C, ±1%, 0201	23	R20, R22, R25, R26, R28, R29, R31, R32, R37, R39, R18, R19, R20, R121, R122, R123, R124, R125, R126, R127, R128, R147, R153, R155	1
Replace	13014630	C0201MF000T0E		RES, 0 Ohm, 1/20W, ±100ppm/°C, ±1%, 0201	23	R20, R22, R25, R26, R28, R29, R31, R32, R37, R39, R18, R19, R20, R121, R122, R123, R124, R125, R126, R127, R128, R147, R153, R155	1
	13014281	00027N1002		RES, 10K Ohms, 1/20W, ±200ppm/°C, ±1%, 0201	2	R85, R116	1
Replace	13014655	RC0201FR-0710M		RES, 10K Ohms, 1/20W, ±200ppm/°C, ±1%, 0201	2	R85, R116	1
Replace	13014633	C0201MF000T0E		RES, 10K Ohms, 1/20W, ±200ppm/°C, ±1%, 0201	2	R85, R116	1
	13014292	00027N1003		RES, 100K Ohms, 1/20W, ±200ppm/°C, ±1%, 0201	1	R19	1
Replace	13014471	RC0201FR-07100M		RES, 100K Ohms, 1/20W, ±100ppm/°C, ±1%, 0201	1	R19	1
Replace	13014631	C0201MF000T0E		RES, 100K Ohms, 1/20W, ±100ppm/°C, ±1%, 0201	1	R19	1
	13014312	00M4J7M		RES, 0 Ohm, 1/16W, ±200ppm/°C, ±5%, 0402	4	R23, R87, R88, R19	1
Replace	13010247	BC0402JF-0708R		RES, 0 Ohm, 1/16W, ±200ppm/°C, ±5%, 0402, lead free	4	R23, R87, R88, R19	1
Replace	13014708	0402M6F000T0E		RES, 0 Ohm, 1/16W, ±200ppm/°C, ±5%, 0402, lead free	4	R23, R87, R88, R19	1
Replace	13014550	00M4J7M2280		RES, 22 Ohm, 1/16W, ±200ppm/°C, ±1%, 0402, lead free	6	R18, R21, R27, R30, R36, R40	1
Replace	13010120	BC0402FR-07228R		RES, 22 Ohm, 1/16W, ±100ppm/°C, ±1%, 0402, lead free	6	R18, R21, R27, R30, R36, R40	1
Replace	13014605	0402M6F220T0E		RES, 22 Ohm, 1/16W, ±100ppm/°C, ±1%, 0402, lead free	6	R18, R21, R27, R30, R36, R40	1
	13014553	00M2J7M		RES, 0 Ohm, 1/4W, ±200ppm/°C, ±1%, 1206	8	R1, R2, R5, R6, R13, R130, R131, R144, R145, R146	1
Replace	13010428	RC1206FR-0708R		RES, 0 Ohm, 1/4W, ±200ppm/°C, ±1%, 1206	8	R1, R2, R5, R6, R13, R130, R131, R144, R145, R146	1
Replace	13014722	L200M4P000T0E		RES, 0 Ohms, 1/4W, ±200ppm/°C, ±1%, 1206	10	R1, R2, R5, R6, R13, R130, R131, R144, R145, R146	1
	13014583	00M2J7M4201		RES, 4.7K Ohms, 1/20W, ±200ppm/°C, ±1%, 0201	16	R33, R34, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R97, R98, R99, R100	1
Replace	13012614	RC0201FR-0748T*		RES, 4.7K Ohms, 1/20W, ±200ppm/°C, ±1%, 0201	16	R33, R34, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R97, R98, R99, R100	1
Replace	13014671	0201MF0710T0E		RES, 4.7K Ohms, 1/20W, ±200ppm/°C, ±1%, 0201	16	R33, R34, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R97, R98, R99, R100	1
	13014692	00M2J7M1212		RES, 12.1K Ohms, 1/20W, ±200ppm/°C, ±1%, 0201	1	R17	1
Replace	13014491	RC0201FR-0712K1*		RES, 12.1K Ohms, 1/20W, ±200ppm/°C, ±1%, 0201	1	R17	1
Replace	13014636	C0201MF1212T0E		RES, 12.1K Ohms, 1/20W, ±200ppm/°C, ±1%, 0201	1	R17	1
Replace	13014699	00M2MFR100T0E		RES, 100K Ohms, 1/8W, ±100ppm/°C, ±1%, 0805, -55°C~+155°C	2	R94, R104	1
	13014870	0908RFR100T0E		RES, 390K Ohms, 1/8W, ±100ppm/°C, ±1%, 0805, -55°C~+155°C	2	R93, R103	1
	13044390	4J0820K		piezoresistor, 140 series, 85V, 60VDC	3	RV1, RV2, RV3	1
Replace	13044444	4J0820K		Metal Oxide Varistors 82V 4.5KA DISC 170M	3	RV1, RV2, RV3	1
	14025147	FC-SLF1813-2M0-6.0A		Common mode choke, 2.0ml, 6A, 17.5x17.5x12.5mm, Tangcheng	1	CR1	1
	14032228	RLM1PQ22181SD		Ferrite Bead, 220uH±100mH, 2A, 0.05ohm, -55~+125°C, 0805C	4	L81, L82, L83, L84	1
Replace	14034688	PZ20120221-280T*		Ferrite Bead, 220uH±100mH, 2A, 0.05ohm, -55~+125°C, 0805C	4	L81, L82, L83, L84	1
	20014309	PTD01-18S12A3R2		DOIC module, DIP, 150VDC Isolated, VIN=9~30V, Vout=12V, 30W, 25±25V±12.5mm, -40°C~+105°C, ADI/ALPULION	1	U1	1
	20014310	PTD01-18S4A3R2		DOIC module, DIP, 150VDC Isolated, VIN=9~30V, Vout=48V, 30W, 25±25V±12.5mm, -40°C~+105°C, ADI/ALPULION	1	U3	1
	20034264	SMD1206-050-13.2		Resistorable PTCs, 1206 series, Hold=0.5A, Trip=1A, Vmax=13.2V	6	U11, U12, U16, U18, U23, U24	1
	20034280	SC7009-13.2-1200B0		Resistorable PTCs, 1206 series, Hold=0.5A, Trip=1A, Vmax=13.2V	6	U11, U12, U16, U18, U23, U24	1
	20034279	60V-110		PDS, Vmax=60V, Hold=1, 1A, DIP	2	P2, P3	1
	20044261	SMD1812-091		GAS TUBE 90V 2KA/AV 2PIN C08E	1	G1	1
Replace	20044258	SC1812-0K30SD		GAS TUBE 90V 2KA/AV 2PIN C08E	1	G1	1
	20044267	2R100L-5.5-66		GAS TUBE, 100W, 3KA, 2P1N, 5.5x66mm, DIP, -40~90°C	2	G2, G3	1
	25014666	760300015		Power Transformer, SMD, ICT, 2CT, 475uH, 6P1N, 7.14x6.34x2mm, -40°C~+125°C	2	T1, T2	1
	25106448	PT1135C1R		POWER TRANSFORMER, SMD, ICT, 2CT, 475uH, 6P1N, 7.047.24x2mm, -40°C~+125°C	2	T1, T2	1
Replace	25104716	T30621S8		POWER TRANSFORMER, SMD, ICT, 2CT, 475uH, 6P1N, 7.24x6.15x2mm, -40°C~+125°C	2	T1, T2	1
	25084652	1507T11BQR		IC, Data Isolators, Triple-Channel, 100 Mbps, 2.25V~5.5V, SSOP-16, -55°C~+125°C	1	U15	1
	25084668	NS1612151		IC, Data Isolators, Triple-Channel, 150 Mbps, 2.2V~5.5V, SSOP-16, -40°C~+125°C, NONSENSE	1	U15	1
	25104516	AP127K-ADTBG1		IC, REG, LDO, ADJ, 0.3A, SOT23-5	1	U28	1
Replace	25104676	RV0212-ADJMR		LDO, ADJ, 0.35A, 2-8VIN, 0.8~3.3VOUT, SOT23-5, -20°C~+125°C, RUDIPH	1	U28	1
Replace	25104734	V15AS60V00R2P		PWRVR IC, LDO, 2.7V, 50mA, -40°C~+85°C, VDD Voltage=0.3V~3V, VDD Voltage=0.3V~3V, U18	1	U28	1
	25104651	PT576S100BT		LDO, 150mA, VIN=2.7~10V, Vout=5.0V Fixed, SOT-23, -40°C~+125°C	2	U5, U14	1
Replace	25104712	ML1565S-50		LDO, 200mA, VIN=1.8~5V, Vout=5.0V Fixed, SOT-23, -40°C~+125°C, Union	2	U5, U14	1
	25104654	056501UR13		Isolated Power Transformer, Driver, 3.7V, 350mA@5V, SOT-23, -40°C~+125°C	1	U4, U13	1
Replace	25104739	S06501Q00VRQ1		Isolated Power Transformer Driver, 3.7V, 350mA@5V, SOT-23, -40°C~+125°C	2	U4, U13	1
	25104700	1P902AC		2-Port PSF Controller, 1.5B20C, Sat=2003 and 802, Sat=2009 compliant, -40°C~+85°C	1	U31	1
	25124653	056501UR02C		IC, RS-485 Transceiver, 250 kbps, 4.5V~5V, ±120V Contact ESD, SOT8C-8, -40°C~+85°C	1	U17	1</