



# REPLACEMENT PARTS LIST

## Important Notice

- Components identified by "△" mark have special characteristics important for safety.  
When replacing any of these components, use only manufacturer's specified parts.
- RTL : Retention Time Limited.

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
<b>MISCELLANEOUS</b>			M40	△ YWV2GA1009A4	Cord Clamp
			M41	YWV7CA0502A3	Sealing Packing
			M42	YWV9AA2072A4	Mechanical Assy
			M43	YWV1EA1013A4	Special Screw
			M44	YWMN3V0	Cord Clamp
			M45	YWV1KA1010A4	Washer
			M46	YWV3FA1009A4	Ring
			M47	YWV7SA3505A4	Model Label
			M48	YWV2NA1039A4	Spacer
			M49	△ YWA7SA0689A4	Earth Label
			M51	△ YWV7QA4580A4	Main Label
			M52	△ YFV7MB0099A4	Caution Label
			M53	△ YWV7MA0273A4	FCC Label
			M54	△ YWV7QA2372A4	System Label
			M56	△ YFV7MB0103A4	Shock Label
			M57	△ YWV7MA0374A4	Connection Caution Label
			M81	YWCC301C	Lens Assy
			M82	YWVCST60PA2A	Head Optical Assy
			M83	YWV5EA2221A4	AF Board Cover
			M84	YWV2TA1029A3	CCD Holder
			M85	YWV2TA1030A3	Mounting Bracket
			M86	YWV2JA1023A4	Stud
			M87	YWV4JA1064A4	Wave Washer
			M88	YWV3FA1034A4	Control Ring
MO1,2	YWV0EA1068AN	DC Motor Assy			
FB1	YWVCS400KY3A	Flexible Board Assy for Drive Board CN7 and A/F Board CN2			
FB2	YWVCS600KY3A	Flexible Board Assy for Drive Board CN1 and Sensor Board			
FB3	YWVCS400KY4A	Curl Flexible Board Assy			
PB1	YWVCST60KY2A	Sensor Board Assy			
CN1	YWAXN710535P	20-pin Connector			
CN2	YWAXN810535P	20-pin Connector			
CN3	YWAXN416430P	20-pin Connector			
CN4	AXN420330P	20-pin Connector			
CN5	AXN420330P	20-pin Connector			
CN6	YWAXN320130P	20-pin Connector			
CN101	△ YWVAR2	Power Connector			
E101	△ YWVCS60P05	AC Power Cord Assy			
E102	YWCS5XBNC02	Coaxial Cable Assy			
M4	YWV2WA1023A2	Frame			
M5	YWV5EA2217A4	Blank Cover			
M6	YWV0MA1044AN	Tilt Magnet Holder H Assy			
M7	YWV0MA1045AN	Tilt Magnet Holder V Assy			
M8	YWV4EA0513A3	Tilt Gear			
M9	YWV7DA1015A4	Heat Sink			
M10	YWV9AA2074A4	Mechanical Assy			
M11	YWV4JA1033A3	Spring			
M12	YWV9AA2300A4	Mechanical Assy			
M13	YWV0MA1049AN	Tilt Gear Assy			
M14	YWV4JA1028A4	Spring			
M15	YWV4JA1032A4	Spring			
M16	YWV2GA1005A3	Cord Clamp			
M17	YWV0MA1050AN	Pan Gear Assy			
M18	YWV5EA2220A3	Dome Cover			
M19	YWV5EA2218A2	Inner Dome			
M20	YWV9AA2076C3	Mechanical Assy			
M21	YWV4EA0511A3	Gear			
M22	YWVCS400JA4A	Slip Ring Assy			
M23	YWV4JA1036A4	Spring			
M24	YWV5KA2122A2	Case			
M26	YWV0MA1046AN	Pan Magnet Holder Assy			
M27	YWV9AA2073A4	Mechanical Assy			
M28	YWV9AA2070B4	Bottom Power Plate Assy			
M29	YWV2HA2028B4	Shield Parts			
M32	YWV2GA1006A4	Cord Clamp			
M33	YWM1748A	TR Holder			
M37	YWV5KA2049B1	Diecast Case			
M38	YWV6FA1007A4	Bracket			
M39	YWV5YA0502AN	Band			

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
<b>DRIVE BOARD</b>					
PCB1 (RTL)	YWVCST4PKB1A	Printed Circuit Board Assy	R92	ERJ3GEYJ154	Carbon 150K ohms 1/16W
IC1	AN2018S	IC	R93	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
IC2	YWTC74AT04F	IC	R97	ERJ3GEY0R00	Carbon 0 ohms 1/16W
IC4	YWCXD2404R	IC	R99	ERJ3GEYJ101	Carbon 100 ohms 1/16W
IC6	AN2034FAP	IC	R100,107	ERJ3GEY0R00	Carbon 0 ohms 1/16W
IC8	YWC5020074E1	IC	R110	ERJ3GEY0R00	Carbon 0 ohms 1/16W
IC10	MN3112SA	IC	R117	ERJ3GEYJ103	Carbon 10K ohms 1/16W
IC11	YWNJM3416	IC	R121,123	ERJ3GEYJ102	Carbon 1K ohms 1/16W
IC13	YWTC74VC04FS	IC	R129,131	ERJ3GEY0R00	Carbon 0 ohms 1/16W
IC15	YWNJM2406F	IC	R132,144	ERJ3GEY0R00	Carbon 0 ohms 1/16W
Q1	2SK106945	FET	R145	ERJ3GEY0R00	Carbon 0 ohms 1/16W
Q15	2SC4617	Transistor	R146	ERJ3GEYJ102	Carbon 1K ohms 1/16W
Q19	2SA1774	Transistor	R147	ERJ3GEY0R00	Carbon 0 ohms 1/16W
Q22	2SC4617	Transistor	R153	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
Q23	UMZ1	Transistor	R157-159	ERJ3GEY0R00	Carbon 0 ohms 1/16W
Q24	2SA1774	Transistor	R160	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
Q26,27	2SC4617	Transistor	R161	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
Q30	2SC4617	Transistor	R162	ERJ3GEYJ153	Carbon 15K ohms 1/16W
Q33,34	2SC4619	Transistor	R163	ERJ3GEYJ751	Carbon 750 ohms 1/16W
Q35	2SC4617	Transistor	R167	ERJ14YJ750	Carbon 75 ohms 1/4W
Q36,37	2SC4619	Transistor	R175,176	YWR0816P102D	Metal 1K ohms 1/16W
Q38	2SC4617	Transistor	R183	ERJ3GEYJ102	Carbon 1K ohms 1/16W
Q44	2SC4619	Transistor	R186-188	ERJ3GEYJ100	Carbon 10 ohms 1/16W
Q45	2SC4617	Transistor	R189	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
D3	YWDA121	Diode	R190,191	ERJ3GEYJ102	Carbon 1K ohms 1/16W
D10,11	YWHVU359TRF	Diode	R203	ERJ3GEYJ221	Carbon 220 ohms 1/16W
D14,15	YWDA121	Diode	R204	ERJ3GEYJ102	Carbon 1K ohms 1/16W
D16-19	MA726	Diode	R205	ERJ3GEYJ682	Carbon 6.8K ohms 1/16W
D20	MA8075	Diode	R206	ERJ3GEYJ104	Carbon 100K ohms 1/16W
D21	MA8220	Diode	R207	ERJ3GEYJ102	Carbon 1K ohms 1/16W
D23	MA112	Diode	R208	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R36	ERJ3GEYJ101	Carbon 100 ohms 1/16W	R209	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R37	ERJ3GEYJ131	Carbon 130 ohms 1/16W	R210	ERJ3GEYJ473	Carbon 47K ohms 1/16W
R38	ERJ3GEY0R00	Carbon 0 ohms 1/16W	R211	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R41	ERJ3GEY0R00	Carbon 0 ohms 1/16W	R212	ERJ3GEYJ221	Carbon 220 ohms 1/16W
R43,44	ERJ3GEY0R00	Carbon 0 ohms 1/16W	R213-216	ERJ3GEYJ220	Carbon 22 ohms 1/16W
R47	ERJ3GEYJ151	Carbon 150 ohms 1/16W	R217	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R52	ERJ3GEYJ102	Carbon 1K ohms 1/16W	R218	ERJ3GEYJ363	Carbon 36K ohms 1/16W
R54	ERJ3GEY0R00	Carbon 0 ohms 1/16W	R219	ERJ3GEYJ104	Carbon 100K ohms 1/16W
R55	ERJ3GEYJ331	Carbon 330 ohms 1/16W	R220,223	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R56	ERJ3GEY0R00	Carbon 0 ohms 1/16W	R224	ERJ3GEY0R00	Carbon 0 ohms 1/16W
R58-60	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W	R225,226	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R63	ERJ3GEY0R00	Carbon 0 ohms 1/16W	R228,229	ERJ3GEY0R00	Carbon 0 ohms 1/16W
R64	ERJ3GEYJ103	Carbon 10K ohms 1/16W	R238,240	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R66	ERJ3GEYJ102	Carbon 1K ohms 1/16W	R243	ERJ3GEYJ821	Carbon 820 ohms 1/16W
R68	ERJ3GEYJ103	Carbon 10K ohms 1/16W	R244	ERJ3GEYJ182	Carbon 1.8K ohms 1/16W
R69	ERJ3GEYJ105	Carbon 1M ohms 1/16W	R245	ERJ3GEYJ821	Carbon 820 ohms 1/16W
R72	ERJ6GEYJ222	Carbon 2.2K ohms 1/10W	R246	ERJ3GEYJ302	Carbon 3K ohms 1/16W
R73	ERJ3GEYJ101	Carbon 100 ohms 1/16W	R247	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
R75,80	ERJ3GEYJ102	Carbon 1K ohms 1/16W	R248,249	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
R81	ERJ3GEYJ221	Carbon 220 ohms 1/16W	R251	ERJ3GEYJ362	Carbon 3.6K ohms 1/16W
R90	ERJ3GEYJ202	Carbon 2K ohms 1/16W	R253	ERJ3GEY0R00	Carbon 0 ohms 1/16W
			R255,256	ERJ3GEYJ132	Carbon 1.3K ohms 1/16W
			R257	ERJ3GEYJ102	Carbon 1K ohms 1/16W
			R258	ERJ3GEYJ202	Carbon 2K ohms 1/16W

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
R260	ERJ3GEY0R00	Carbon 0 ohms 1/16W	C113	ECST1VY104	Tantalum 0.1 μF 35V
R261	ERJ3GEYJ103	Carbon 10K ohms 1/16W	C114-116	EEVHB1C100R	Electrolytic 10 μF 16V
R262	ERJ3GEYJ102	Carbon 1K ohms 1/16W	C117	EEVHB1E100R	Electrolytic 10 μF 25V
R263	ERJ3GEYJ203	Carbon 20K ohms 1/16W	C118-121	EEVHB1C100R	Electrolytic 10 μF 16V
R269	ERJ3GEYJ102	Carbon 1K ohms 1/16W	C124	EEVHB1V220P	Electrolytic 22 μF 35V
R270	ERJ3GEYJ393	Carbon 39K ohms 1/16W	C125	EEVHB1C220R	Tantalum 22 μF 16V
R271	ERJ3GEYJ102	Carbon 1K ohms 1/16W	C126	YW5F104Z2VB	Ceramic 0.1 μF
R282	ERJ3GEYJ4R7	Carbon 4.7 ohms 1/16W	C127	YWE212F105ZT	Ceramic 1 μF
R283,284	ERJ3GEYJ103	Carbon 10K ohms 1/16W	C128	TAJA105M016	Tantalum 1 μF 16V
R285	ERJ3GEYJ162	Carbon 1.6K ohms 1/16W	C129	YWE212F105ZT	Ceramic 1 μF
R286	ERJ3GEYJ102	Carbon 1K ohms 1/16W	C130	YW5F104Z2VB	Ceramic 0.1 μF
R287	ERJ3GEYJ153	Carbon 15K ohms 1/16W	C131	ECST1AX106ZR	Tantalum 10 μF 10V
R288	ERJ3GEYJ104	Carbon 100K ohms 1/16W	C132	YW5CH471J5VB	Ceramic 470 pF
R289	ERJ3GEYJ223	Carbon 22K ohms 1/16W	C133	EEVHB1C100R	Electrolytic 10 μF 16V
R290	ERJ3GEYJ821	Carbon 820 ohms 1/16W	C134	YW5CH471J5VB	Ceramic 470 pF
R291	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W	C135	EEVHB1V220P	Electrolytic 22 μF 35V
R293,298	ERJ3GEY0R00	Carbon 0 ohms 1/16W	C139	YW5F104Z2VB	Ceramic 0.1 μF
R300,301	ERJ3GEY0R00	Carbon 0 ohms 1/16W	C140,141	YW5X471K5VB	Ceramic 470 pF
R303,304	ERJ3GEYJ100	Carbon 10 ohms 1/16W	C142,143	YW5F104Z2VB	Ceramic 0.1 μF
R305-308	ERJ3GEYJ333	Carbon 33K ohms 1/16W	C144	YW5X222K5VB	Ceramic 2200 pF
C3	YW5F104Z2VB	Ceramic 0.1 μF	C145	EEVHB1C100R	Electrolytic 10 μF 16V
C6	YW5X102K5VB	Ceramic 1000 pF	C147	YW5F104Z2VB	Ceramic 0.1 μF
C15	YW5CH101J5VB	Ceramic 100 pF	C150,151	YW5CH510J5VB	Ceramic 51 pF
C16	YW5CH201J5VB	Ceramic 200 pF	C152	YW5F104Z2VB	Ceramic 0.1 μF
C17	YW5X103K5VB	Ceramic 0.01 μF	C153,154	YW5X102K5VB	Ceramic 1000 pF
C18	YW5F104Z2VB	Ceramic 0.1 μF	L1	EIC4EJ011E	Coil
C19	YW5CH201J5VB	Ceramic 200 pF	L8	ELJSC330KB	Coil 33 μH
C20-22	YW5F104Z2VB	Ceramic 0.1 μF	L9,11	ELJFC8R2MF	Coil 8.2 μH
C23	YW5X103K5VB	Ceramic 0.01 μF	L13	ELJFC8R2MF	Coil 8.2 μH
C25	TAJA105M016	Electrolytic 1 μF 16V	L14	ELJSC330KB	Coil 33 μH
C27	YW5CH180J5VB	Ceramic 18 pF	L17	ELJFC8R2MF	Coil 8.2 μH
C28	YW5F104Z2VB	Ceramic 0.1 μF	L19	ELJFB8R2MF	Coil 8.2 μH
C29	YF400104FZT	Ceramic 0.1 μF	L21,22	ELJSC101KB	Coil 100 μH
C40	YW5F473Z5VB	Ceramic 0.047 μF	L23	ELJFB8R2MF	Coil 8.2 μH
C43	YW5F104Z2VB	Ceramic 0.1 μF	CF1	YW4F57374	Filter
C44,45	YF400104FZT	Ceramic 0.1 μF	CF2	YWNL4532S3R6	Filter
C48	YWE212F105ZT	Ceramic 1 μF	CF4	ELB4B532	Filter
C51	ECST1AY225ZR	Tantalum 2.2 μF 10V	CF5,6	YWH50ACB20T	LC Filter
C61	EEVHB1H4R7R	Electrolytic 4.7 μF 50V	CF7	NFM41R00C221	Filter
C75	EEVHB0J101P	Electrolytic 100 μF 6.3V	CF8	EIK4EW020T	Filter
C76	EEVHB1C220UR	Electrolytic 22 μF 16V	CF9	YWNL4532S3R6	Filter
C78	YF400332XKT	Ceramic 3300 pF	CN1	YWAXN316038P	16-pin Connector
C80	ECST1AD476ZR	Tantalum 47 μF 10V	CN2,3	YW31756306	6-pin Connector
C81,82	ECST1AX106ZR	Tantalum 10 μF 10V	CN4,5	YW21775946	26-pin Connector
C84	YWE212F105ZT	Ceramic 1 μF	CN6	YWAXN320038P	20-pin Connector
C85,87	ECST1AD476ZR	Tantalum 47 μF 10V	CN8	YWAXN810535P	10-pin Connector
C88	TAJA105M016	Tantalum 1 μF 16V	TP1	YWRCT2125TPV	Test- Pin
C89,90	ECST1AX106ZR	Tantalum 10 μF 10V			
C92	ECST1AX106ZR	Tantalum 10 μF 10V			
C93	ECST0JY106ZR	Tantalum 10 μF 6.3V			
C94,95	YW5F104Z2VB	Ceramic 0.1 μF			
C98,99	YW5X102K5VB	Ceramic 1000 pF			
C101,102	YF400104FZT	Ceramic 0.1 μF			
C111	ECGC1CB4R7R	Semiconductor 4.7 μF 16V			
C112	ECST1VY224Z	Tantalum 0.22 μF 35V			

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
<b>DIGITAL BOARD</b>			R68	ERJ3GEYJ273	Carbon 27K ohms 1/16W
			R69	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R70	ERJ3GEYJ824	Carbon 820K ohms 1/16W
			R71	ERJ3GEYJ273	Carbon 27K ohms 1/16W
			R72	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
			R73	ERJ3GEYJ273	Carbon 27K ohms 1/16W
			R74	ERJ3GEYJ513	Carbon 51K ohms 1/16W
			R75	ERJ3GEYJ105	Carbon 1M ohms 1/16W
			R76	ERJ3GEYJ182	Carbon 1.8K ohms 1/16W
			R77	ERJ3GEYJ102	Carbon 1K ohms 1/16W
			R78,79	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R80-82	ERJ3GEY0R00	Carbon 0 ohms 1/16W
			R83	ERJ3GEYJ105	Carbon 1M ohms 1/16W
			R84	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
			R85	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R86	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
			R89,91	ERJ3GEYJ682	Carbon 6.8K ohms 1/16W
			R95,96	ERJ3GEYJ162	Carbon 1.6K ohms 1/16W
			R106	ERJ3GEYJ102	Carbon 1K ohms 1/16W
			R107	ERJ3GEY0R00	Carbon 0 ohms 1/16W
			R108,110	ERJ3GEYJ102	Carbon 1K ohms 1/16W
			R111	ERJ3GEYJ333	Carbon 33K ohms 1/16W
			R112	ERJ3GEYJ561	Carbon 560 ohms 1/16W
			R114	ERJ3GEY0R00	Carbon 0 ohms 1/16W
			R115	ERJ3GEYJ361	Carbon 360 ohms 1/16W
			R116	ERJ3GEYJ202	Carbon 2K ohms 1/16W
			R117-119	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R120,121	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
			R122-129	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R130	ERJ3GEYJ471	Carbon 470 ohms 1/16W
			R133	ERJ3GEYJ512	Carbon 5.1K ohms 1/16W
			R134-136	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R137,138	ERJ6GEY0R00	Carbon 1 ohms 1/10W
			R140	ERJ3GEYJ433	Carbon 43K ohms 1/16W
			R142	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R143	ERJ3GEYJ623	Carbon 62K ohms 1/16W
			R144	ERJ3GEYJ124	Carbon 120K ohms 1/16W
			R145	ERJ3GEYJ683	Carbon 68K ohms 1/16W
			R510	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
			R511	ERJ3GEYJ221	Carbon 220 ohms 1/16W
			R514,525	ERJ3GEY0R00	Carbon 0 ohms 1/16W
			R529,530	ERJ3GEY0R00	Carbon 0 ohms 1/16W
			R561	ERJ6GEY0R00	Carbon 0 ohms 1/10W
			R563	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R566,567	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R568-571	ERJ3GEY0R00	Carbon 0 ohms 1/16W
			R572	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R589,590	ERJ3GEYJ621	Carbon 620 ohms 1/16W
			R591	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			C1	ECST1AY106ZR	Tantalum 10 $\mu$ F 10V
			C2,4	YW5F104Z2VB	Ceramic 0.1 $\mu$ F
			C6,12	YW5F104Z2VB	Ceramic 0.1 $\mu$ F
			C14	YW5F104Z2VB	Ceramic 0.1 $\mu$ F
			C15	YW5CH561J5VB	Ceramic 560 pF
			C16	YW5F104Z2VB	Ceramic 0.1 $\mu$ F
PCB2 (RTL)	YWVCST4PKC1A	Printed Circuit Board Assy			
IC1	MN6576	IC			
IC2	MN13821	IC			
IC3	MN673211M2U	IC			
IC4	YWBR9020FE1	IC			
IC5	YWMB88346BEF	IC			
IC8	YWTMP90C3441	IC			
IC9	YWCF45811PGJ	IC			
IC11	YWUPC664G5	IC			
IC17	YWL7A1219	Custom IC			
IC18	MB90077PF104	IC			
IC20	YWTC7SU04FUL	IC			
IC23	YWTC7S32F	IC			
IC25	YWTC7SU04FUL	IC			
Q1-4	2SK106945	FET			
Q5	2SC4617	Transistor			
Q9,10	2SC4619	Transistor			
Q11	2SA1774	Transistor			
D1	MA729	Diode			
D2	YWDA121	Diode			
D3,4	YWHVU359TRF	Diode			
D7,8	YWHVU359TRF	Diode			
D9-11	YWDA221	Diode			
D12	MA729	Diode			
R3,4	ERJ3GEY0R00	Carbon	0 ohms 1/16W		
R9	ERJ3GEY0R00	Carbon	0 ohms 1/16W		
R10,11	ERJ3GEYJ102	Carbon	1K ohms 1/16W		
R13-18	ERJ3GEY0R00	Carbon	0 ohms 1/16W		
R20	ERJ3GEY0R00	Carbon	0 ohms 1/16W		
R27	ERJ3GEYJ511	Carbon	510 ohms 1/16W		
R29	ERJ3GEYJ102	Carbon	1K ohms 1/16W		
R30	ERJ3GEYJ474	Carbon	470K ohms 1/16W		
R33	ERJ3GEYJ102	Carbon	1K ohms 1/16W		
R34	ERJ3GEYJ103	Carbon	10K ohms 1/16W		
R36	ERJ3GEYJ514	Carbon	510K ohms 1/16W		
R38	ERJ3GEYJ221	Carbon	220 ohms 1/16W		
R39	ERJ3GEYJ823	Carbon	82K ohms 1/16W		
R40	ERJ3GEYJ105	Carbon	1M ohms 1/16W		
R41-43	ERJ3GEY0R00	Carbon	0 ohms 1/16W		
R44	ERJ3GEYJ103	Carbon	10K ohms 1/16W		
R46	ERJ3GEYJ221	Carbon	220 ohms 1/16W		
R48,49	ERJ3GEY0R00	Carbon	0 ohms 1/16W		
R53	ERJ3GEYJ221	Carbon	220 ohms 1/16W		
R54	ERJ3GEYJ302	Carbon	3K ohms 1/16W		
R55	ERJ3GEYJ511	Carbon	510 ohms 1/16W		
R58	ERJ3GEYJ221	Carbon	220 ohms 1/16W		
R61	ERJ3GEYJ102	Carbon	1K ohms 1/16W		
R63	ERJ3GEYJ273	Carbon	27K ohms 1/16W		
R64	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W		
R65	ERJ3GEYJ103	Carbon	10K ohms 1/16W		
R67	ERJ3GEYJ102	Carbon	1K ohms 1/16W		

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
C17	YW5CH561J5VB	Ceramic 560 pF	<b>TILT LIMIT BOARD</b>		
C20	YW5X103K5VB	Ceramic 0.01 μF			
C21,22	YW5F104Z2VB	Ceramic 0.1 μF	PCB3 (RTL)	YWVCS400KY2A	Printed Circuit Board Assy
C23	YW5X103K5VB	Ceramic 0.01 μF	IC1-3	NJM2904D	IC
C24	ECST1EY474Z	Electrolytic 0.47 μF 25V	D1	MA732	Diode
C25,26	YW5CH471J5VB	Ceramic 470 pF	VS1,2	YWHW101ASFT	Semiconductor
C27	YW5X102K5VB	Ceramic 1000 pF	R1	ERJ3GEYJ103	Carbon 10K ohms 1/16W
C29	YW5CH120J5VB	Ceramic 12 pF	R2	ERJ3GEYJ105	Carbon 1M ohms 1/16W
C39	YWE212F105ZT	Ceramic 1 μF	R3	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
C40-42	YW5F104Z2VB	Ceramic 0.1 μF	R4	ERJ3GEYJ334	Carbon 330K ohms 1/16W
C43	YWE212F105ZT	Ceramic 1 μF	R5	ERJ3GEYJ223	Carbon 22K ohms 1/16W
C44,45	YW5F104Z2VB	Ceramic 0.1 μF	R6	ERJ3GEYJ334	Carbon 330K ohms 1/16W
C46	TAJA105M016	Tantalum 1 μF 16V	R7	ERJ3GEYJ223	Carbon 22K ohms 1/16W
C47	ECST1AY225ZR	Electrolytic 2.2 μF 10V	R8	ERJ3GEYJ103	Carbon 10K ohms 1/16W
C48	YW5F104Z2VB	Ceramic 0.1 μF	R9	ERJ3GEYJ105	Carbon 1M ohms 1/16W
C49	ECST1AY106ZR	Tantalum 10 μF 10V	R10	ERJ3GEYJ334	Carbon 330K ohms 1/16W
C50	ECST1AY225ZR	Electrolytic 2.2 μF 10V	R11	ERJ3GEYJ223	Carbon 22K ohms 1/16W
C51	ECST1AY335ZR	Electrolytic 3.3 μF 10V	R12	ERJ3GEYJ334	Carbon 330K 1/16W
C52-54	ECST1AY106ZR	Tantalum 10 μF 10V	R13	ERJ3GEYJ223	Carbon 22K ohms 1/16W
C63	YW5CH470J5VB	Ceramic 47 pF	R14	ERJ3GEYJ104	Carbon 100K ohms 1/16W
C64	YW5F104Z2VB	Ceramic 0.1 μF	R15	ERJ3GEYJ273	Carbon 27K ohms 1/16W
C65	YWE212F105ZT	Ceramic 1 μF	R16-19	ERJ3GEY0R00	Carbon 0 ohms 1/16W
C66,67	YW5F104Z2VB	Ceramic 0.1 μF	C1-5	YW5F104Z2VB	Ceramic 0.1 μF
C68,69	YWE212F105ZT	Ceramic 1 μF	<b>SERVO BOARD</b>		
C70	YW5F104Z2VB	Ceramic 0.1 μF			
C71	YW5CH470J5VB	Ceramic 47 pF	PCB4 (RTL)	YWVCS400KY1A	Printed Circuit Board Assy
C72	YW5CH101J5VB	Ceramic 100 pF	IC1,2	YWTB6512AF	IC
C507-510	YW5F104Z2VB	Ceramic 0.1 μF	IC5	YWMB88346BEF	IC
C517	YW5F104Z2VB	Ceramic 0.1 μF	IC9	NJM2904D	IC
C518	YW5CH100J5VB	Ceramic 10 pF	IC11	YWMB3785ApF	IC
C519-522	YW5F104Z2VB	Ceramic 0.1 μF	IC12	YWS81235PGT1	IC
C541,544	YW5F104Z2VB	Ceramic 0.1 μF	IC13,14	YWTC7532FL	IC
C546	YW5X102K5VB	Ceramic 1000 pF	Q12	XN4501	Transistor
C547	YW5CH330J5VB	Ceramic 33 pF	Q14-17	2SB766A-R	Transistor
L1	EIC4EJ011E	Coil	Q18,19	2SB1218AQR	Transistor
L10	ELJFC8R2MF	Coil 8.2 μH	D15-18	MA726	Diode
L13	ELJFC1R0MF	Coil 1 μH	D19-22	YWSC80206L	Diode
L14	ELJFC2R2MF	Coil 2.2 μH	D23,24	MA8039	Diode
L16	F2012E8R2KT	Coil 8.2 μH	VS1	YWHW101ASFT	Semiconductor
L17	ELJFB8R2MF	Coil 8.2 μH	R1	ERJ1WYJ2R2	Carbon 2.2 ohms 1W
L19	ELJFC8R2MF	Coil 8.2 μH			
X1	EF0V8004E0A	Crystal Oscillator			
X3	YWDX28R636A	Crystal Oscillator			
CN1,2	YW51763136	26-pin Connector			
TP1,2	YWRCT2125TPV	Test- Pin			

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
R3	ERJ3GEY0R00	Carbon 0 ohms 1/16W	C5-9	YW5X472K5VB	Ceramic 4700 pF
R4	YF21162R2JT	Carbon 2.2 ohms 1/10W	C10	YW5X332K5VB	Ceramic 3300 pF
R6	ERJ3GEY0R00	Carbon 0 ohms 1/16W	C11	YW5F104Z2VB	Ceramic 0.1 μF
R7,8	YF21162R2JT	Carbon 2.2 ohms 1/10W	C36	EEVHB1C470P	Electrolytic 47 μF 16V
R13	YF21162R2JT	Carbon 2.2 ohms 1/10W	C37	EEVHB0J220R	Electrolytic 22 μF 6.3V
R36	ERJ3GEYJ912	Carbon 9.1K ohms 1/16W	C49	TAJA105M016	Electrolytic 1 μF 16V
R53	ERJ6GEYJ100	Carbon 10 ohms 1/10W	C54	YW5CH151J5VB	Ceramic 150 pF
R64	ERJ3GEYJ334	Carbon 330K ohms 1/16W	C55	YW5F104Z2VB	Ceramic 0.1 μF
R65	ERJ3GEYJ123	Carbon 12K ohms 1/16W	C58,59	YW5X223K2VB	Ceramic 0.022 μF
R66	ERJ3GEYJ334	Carbon 330Kohms 1/16W	C60-62	YW5X102K5VB	Ceramic 1000 pF
R67	ERJ3GEYJ123	Carbon 12K ohms 1/16W	C63	YW5X103K5VB	Ceramic 0.01 μF
R72-74	ERJ3GEYJ103	Carbon 10K ohms 1/16W	C64-67	YW5X102K5VB	Ceramic 1000 pF
R75	ERJ3GEYJ105	Carbon 1M ohms 1/16W	C68	YW5CH331J5VB	Ceramic 330 pF
R80	ERJ3GEYJ103	Carbon 10K ohms 1/16W	C69	YW5X102K5VB	Ceramic 1000 pF
R81	YWR0816P472D	Metal 4.7K ohms 1/16W	C70,71	YW5X223K2VB	Ceramic 0.022 μF
R82	ERJ3GEYJ243	Carbon 24K ohms 1/16W	C72	YW5X103K5VB	Ceramic 0.01 μF
R83	ERJ3GEYJ333	Carbon 33K ohms 1/16W	C73,74	ECGC0JB330R	Semiconductor
R84	YWR0816P472D	Metal 4.7K ohms 1/16W	C75,76	ECGC1CB4R7R	Semiconductor
R85	ERJ3GEYJ154	Carbon 150K ohms 1/16W	C77	ECGC0JB330R	Semiconductor
R86	ERJ3GEYJ271	Carbon 270 ohms 1/16W	C78	TAJA105M016	Electrolytic 1 μF 16V
R87	ERJ3GEYJ223	Carbon 22K ohms 1/16W	C79,80	ECST1CY155	Electrolytic 1.5 μF 16V
R88	ERJ3GEYJ154	Carbon 150K ohms 1/16W	C81	TAJA105M016	Electrolytic 1 μF 16V
R89,90	YWR0816P472D	Metal 4.7K ohms 1/16W	C83,84	ECST1CY155	Electrolytic 1.5 μF 16V
R91	ERJ3GEYJ393	Carbon 39K ohms 1/16W	C85,86	YW5F104Z2VB	Ceramic 0.1 μF
R93,94	ERJ3GEYJ271	Carbon 270 ohms 1/16W	C87	YW5X103K5VB	Ceramic 0.01 μF
R95	ERJ3GEYJ622	Carbon 6.2K ohms 1/16W	C88,89	YW5F104Z2VB	Ceramic 0.1 μF
R96	ERJ3GEYJ271	Carbon 270 ohms 1/16W	C90,91	RPE132F104Z	Ceramic 0.1 μF
R97	ERJ3GEYJ154	Carbon 150K ohms 1/16W	L6-8	YWCDR63220MC	Coil
R98	ERJ3GEYJ103	Carbon 10K ohms 1/16W	L9,10	YWCDR63560LC	Coil
R99	ERJ3GEYJ154	Carbon 150K ohms 1/16W	L12	YWCDR63220MC	Coil
R100	ERJ3GEYJ223	Carbon 22K ohms 1/16W	L13	YWCDR63101KC	Coil
R101	ERJ3GEYJ563	Carbon 56K ohms 1/16W	CF1	EXCCET101U	Filter
R102	ERJ3GEYJ223	Carbon 22K ohms 1/16W	CN1,2	YWB4BZRSM3TF	4-pin Connector
R104	ERJ3GEYJ393	Carbon 39K ohms 1/16W	CN3	YWAXN420530P	20-pin Connector
R105	ERJ3GEY0R00	Carbon 0 ohms 1/16W	CN5-7	YWB2BPHSM3	2-pin Connector
R106-109	ERJ6GEY0R00	Carbon 1 ohms 1/10W	CN8	YW522050690	Connector
R110	YWR0816P512D	Metal 5.1K ohms 1/16W			
R111	YWR0816P162D	Metal 1.6K ohms 1/16W			
R112	YWR0816P242D	Metal 2.4K ohms 1/16W			
R113	YWR0816P132D	Metal 1.3K ohms 1/16W			
R114	YWR0816P622D	Metal 6.2K ohms 1/16W			
R115	YWR0816P242D	Metal 2.4K ohms 1/16W			
R116	YWR0816P362D	Metal 3.6K ohms 1/16W			
R117	YWR0816P822D	Metal 8.2K ohms 1/16W			
R121	ERJ3GEY0R00	Carbon 0 ohms 1/16W			
R122	ERJ3GEYJ103	Carbon 10K ohms 1/16W			
R123	ERJ3GEY0R00	Carbon 0 ohms 1/16W			
R127,128	ERJ3GEY0R00	Carbon 0 ohms 1/16W			
R129,130	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W			
R131	ERJ3GEYJ334	Carbon 330K ohms 1/16W			
R132	ERJ3GEY0R00	Carbon 0 ohms 1/16W			
R133-135	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W			
R137	ERJ3GEYJ822	Carbon 8.2K ohms 1/16W			
C1-3	YW5X472K5VB	Ceramic 4700 pF			
C4	YW5X332K5VB	Ceramic 3300 pF			

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
<b>POWER BOARD</b>					
PCB6 (RTL)	YWVCS44PKZ1A	Printed Circuit Board Assy	C15	YF400682XKT	Ceramic 6800 pF
IC1	YWFA5304P	IC	C16	ECKD3A681KBP	Ceramic 680 pF
IC2	YWTA76431S	IC	C17	ECA1CFQ681L	Electrolytic 680 μF 16V
Q1	2SK225501M	FET	C18	ECA1CFQ331L	Electrolytic 330 μF 16V
Q2,4 △	YWPS2501-1KA	Transistor	C19	ECQM1103KZ	Ceramic 0.01 μF
Q5 △	YWPS2501-1KA	Transistor	C20	ECKD3A182KBP	Ceramic 1800 pF
Q6	2SC2412K7	Transistor	C21	YW400473XK	Ceramic 0.047 μF
D1 △	YWD45BS6	Diode	C22	ECA1HFZ330	Electrolytic 33 μF 50V
D3	YWDAN217	Diode	C23	YF400221CHJT	Ceramic 220 pF
D4	YWSC2012	Diode	L1 △	YWHL24222	Coil
D6	YWUDZ16B	Diode	L3	YFBL02RN2R62	Coil 2.62 μH
D7	YWSF10SC9	Diode	L4	YWCNT19H	Coil
D8	YWUDZ13B	Diode	L5	YWPC10220K	Coil 22 μH
VS1 △	ERZC07DK471U	ZNR	T1 △	ETS24BA1G9AC	Power Transformer
R2	ERX15JR20	Metal 0.2 ohms 1W	CN1 △	YWB2P3VH	2-pin Connector
R3	ERJ14YJ223	Carbon 22K ohms 1/14W	CN2	YW532580210	2-pin Connector
R4	YF2116241JT	Carbon 240 ohms 1/10W	F1 △	XBA1C31NU100	Current Fuse 3.16A 125V
R6	ERG15J101	Metal 100 ohms 1W	E1	YWM1748A	TR Holder
R8,9	ERJ14YJ112	Carbon 1.1K ohms 1/14W	E2 △	S-N5057	Fuse Holder
R11	YF2116154JT	Carbon 150K ohms 1/10W	E3 △	YW45T01130L	Insulator
R12	YF2116394JT	Carbon 390K ohms 1/10W	E4 △	YW840522	Insulator
R13	YF2116220JT	Carbon 22 ohms 1/10W	E5 △	YW851040	Insulator
R15	YF2116120GT	Carbon 12 ohms 1/10W	M30	YWM1866A	Electrode
R17	YF2116391JT	Carbon 390 ohms 1/10W	M34	YWV7DA1016A4	Heat Sink
R19	ERJ6GEYJ102	Carbon 1K ohms 1/10W	M35	YWV7DA1013A4	Heat Sink
R20	YF2116201JT	Carbon 200 ohms 1/10W	M36	YWV7DA1012A4	Heat Sink
R21	YF2116101JT	Carbon 100 ohms 1/10W	<b>ACCESSORY PARTS/PACKAGING PARTS</b>		
R22	YF2116561JT	Carbon 560 ohms 1/10W	CN10	YWMX5557P04	4-pin Connector
R23	ERJ6GEYJ103	Carbon 10K ohms 1/10W	M60 △	YWV8QA4549AN	Operating Instructions
R24	YF2116331JT	Carbon 330 ohms 1/10W	M61	YWT20X35C03	Polyethylene Bag
R25	ERJ6GEYJ102	Carbon 1K ohms 1/10W	M62	YWV5DA1009A2	Decoration Cover
R26	YF2116332JT	Carbon 3.3K ohms 1/10W	M63	YWV4JA0404A4	Spring
R27	YWR1220P273D	Metal 27K ohms	M64	XZB26X40C05	Polyethylene Bag
R28	YWR1220P682D	Metal 6.8K ohms	M65	YWV9AA2071D4	Camera Mounting Angle
R29	ERJ14YJ100	Carbon 10 ohms 1/14W	M66	YWT15X20C03	Polyethylene Bag
R31	ERX15JR20P	Metal 0.2 ohms 1W	M70	YWV9CW3173AN	Packaging Assy
R32	YW2116182JT	Carbon 1.8K ohms 1/10W	M71	YWV75A2037A4	Bar Cord Label
R33	ERG25J221U	Metal 220 ohms 2W			
R100	ERJ6GEY0R00	Carbon 0 ohms 1/16W			
VR1	YWH0621A680	Variable Resistor 680 ohms			
C1 △	ECQV1474JM	Plastic 0.47 μF			
C2,3 △	ECQM1103KZ	Ceramic 0.01 μF			
C5 △	ECQV1H104JL	Plastic 0.1 μF			
C6	EC051HA392DB	Electrolytic 3900 μF 50V			
C7,8	ECKD3A681KBP	Ceramic 680 pF			
C9	ECA1JFZ220	Electrolytic 22 μF 63V			
C10	YF400104FZT	Ceramic 0.1 μF			
C11	YF400221CHJT	Ceramic 220 pF			
C12,13	YW400105FZ	Ceramic 1 μF			
C14	ECQV1H105JZ	Plastic 1 μF 50V			