

PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

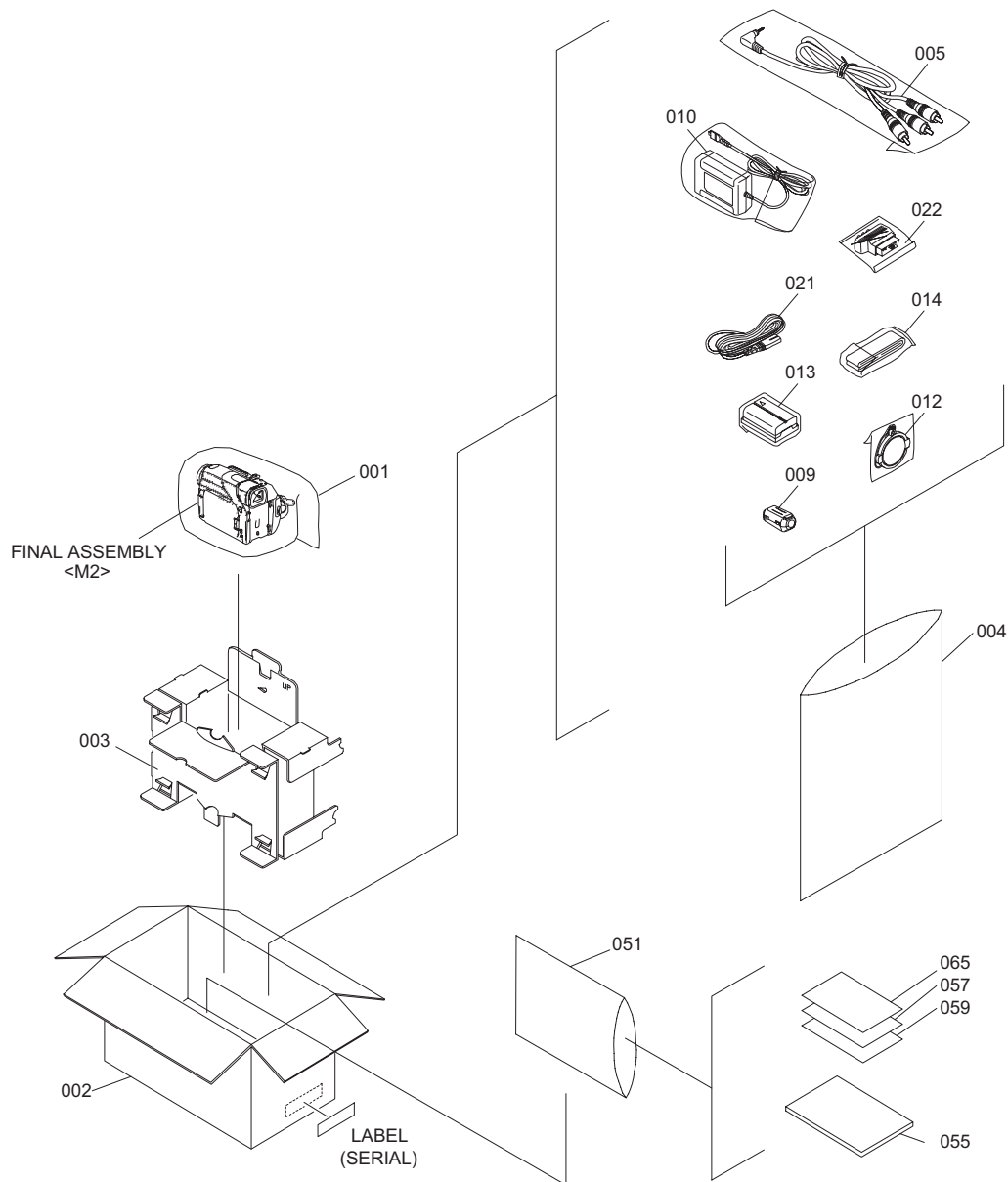
BEWARE OF BOGUS PARTS

Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.

1. EXPLODED VIEW

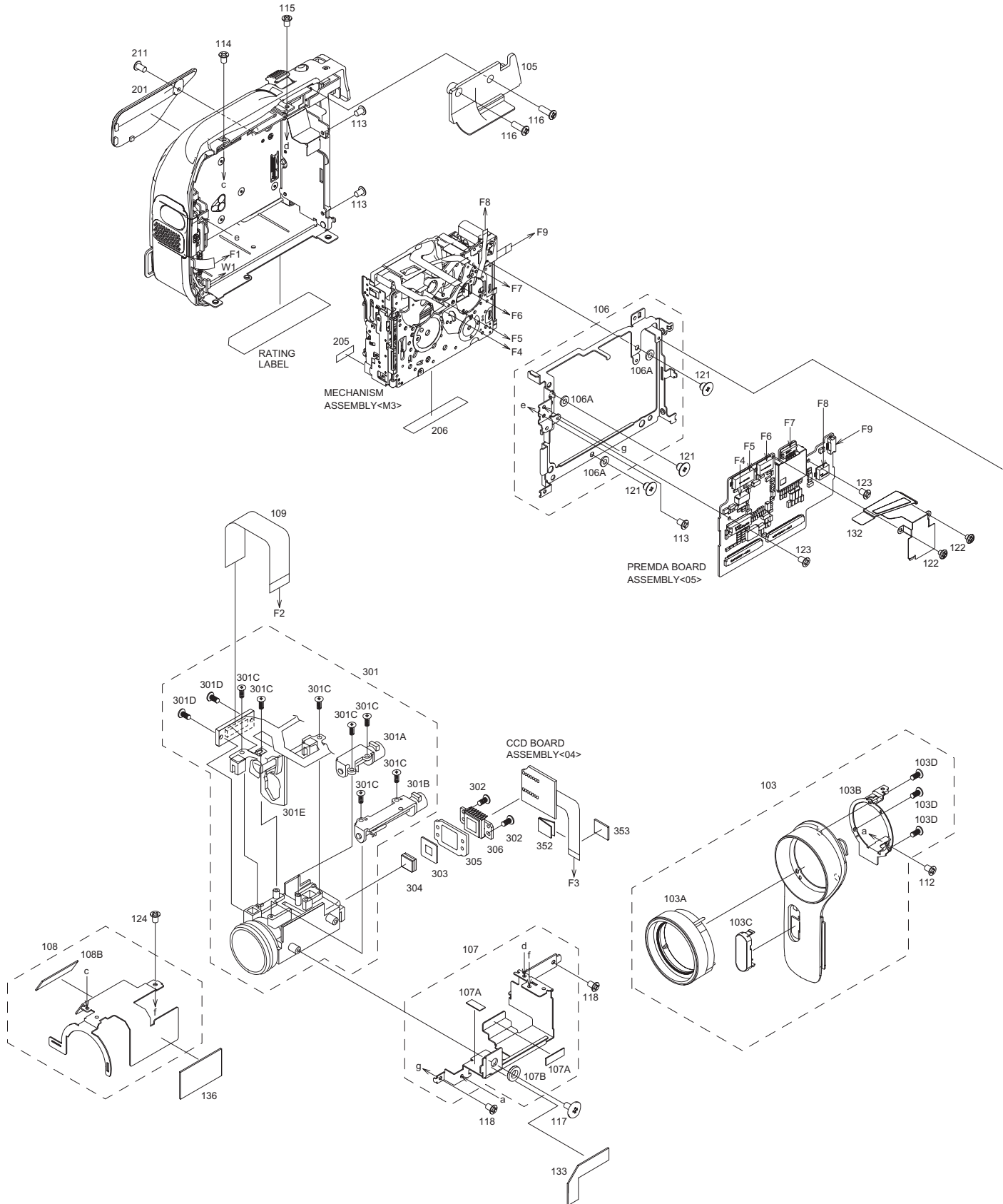
1.1 PACKING AND ACCESSORY ASSEMBLY <M1>

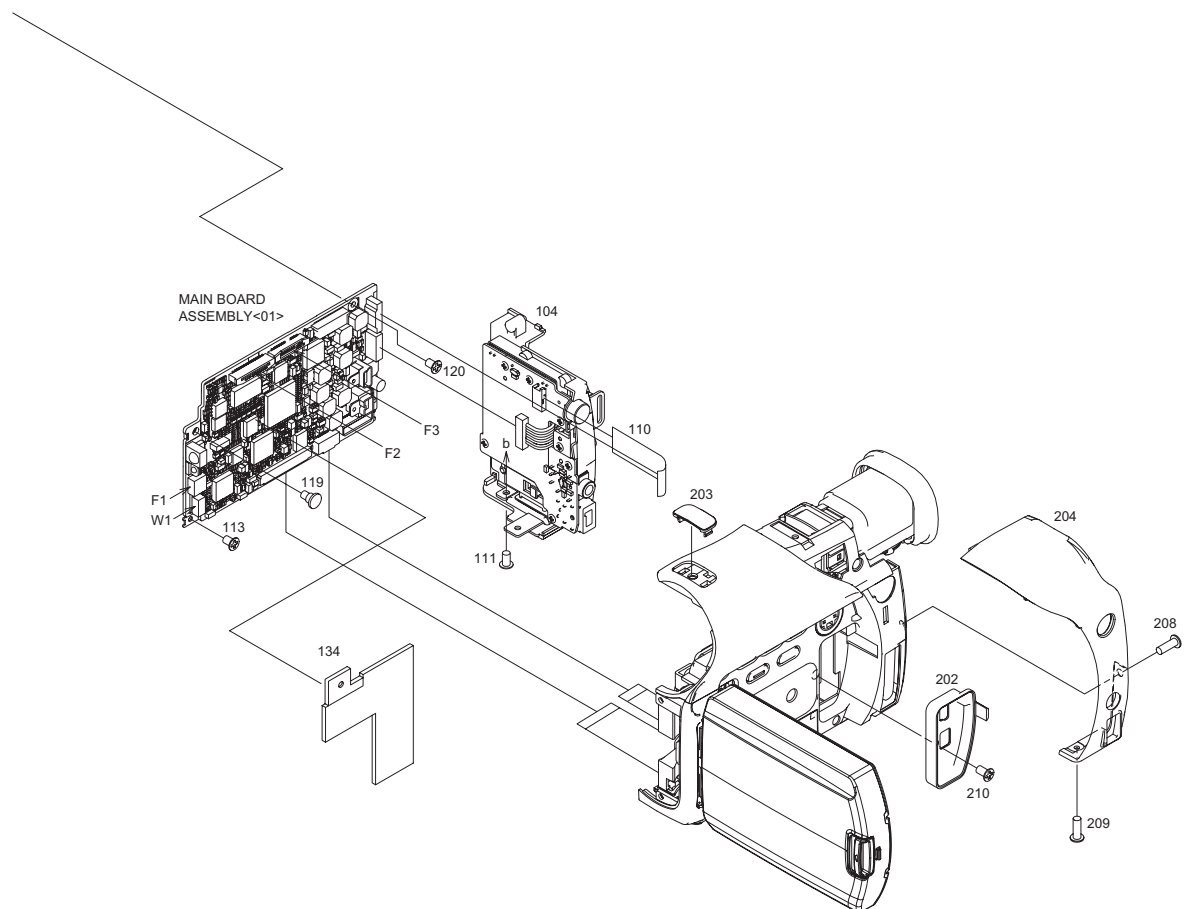
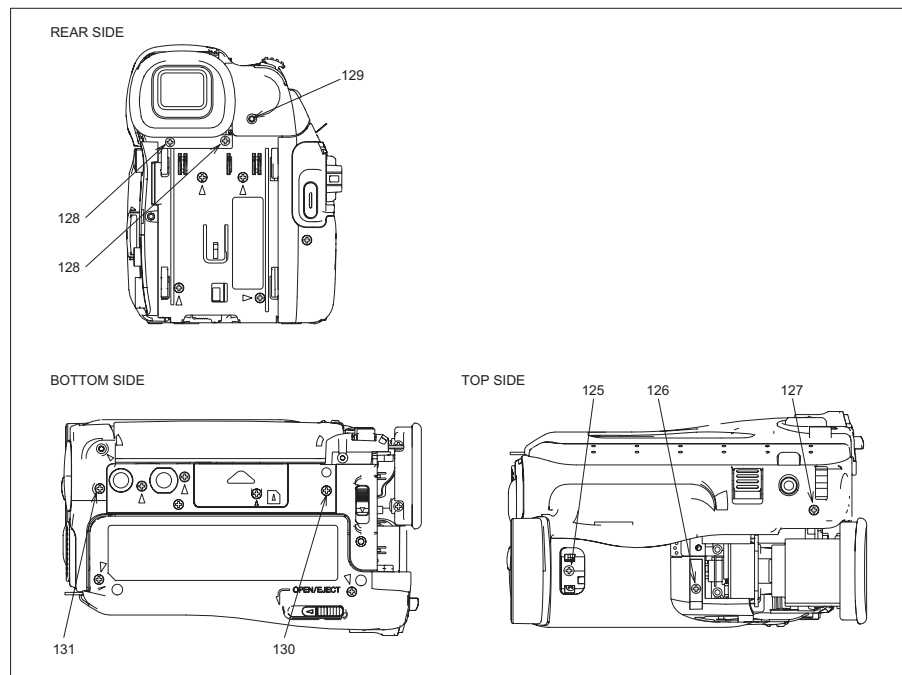
The instruction manual to be provided with this product will differ according to the destination.



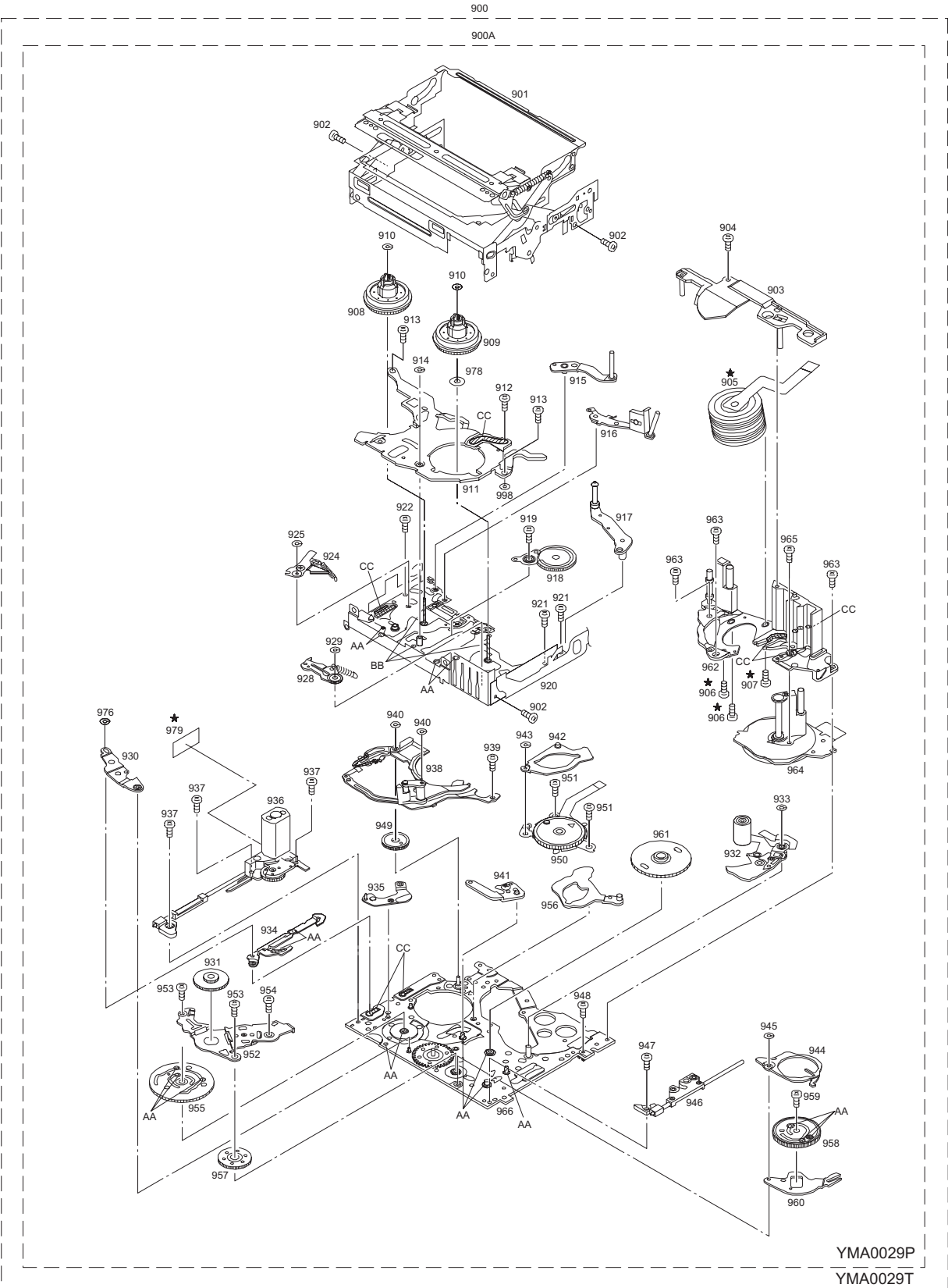
MODEL	MARK
GR-D225EK	A
GR-D225EX	B
GR-D225EY	C
GR-D225EZ	D

1.2 FINAL ASSEMBLY <M2>





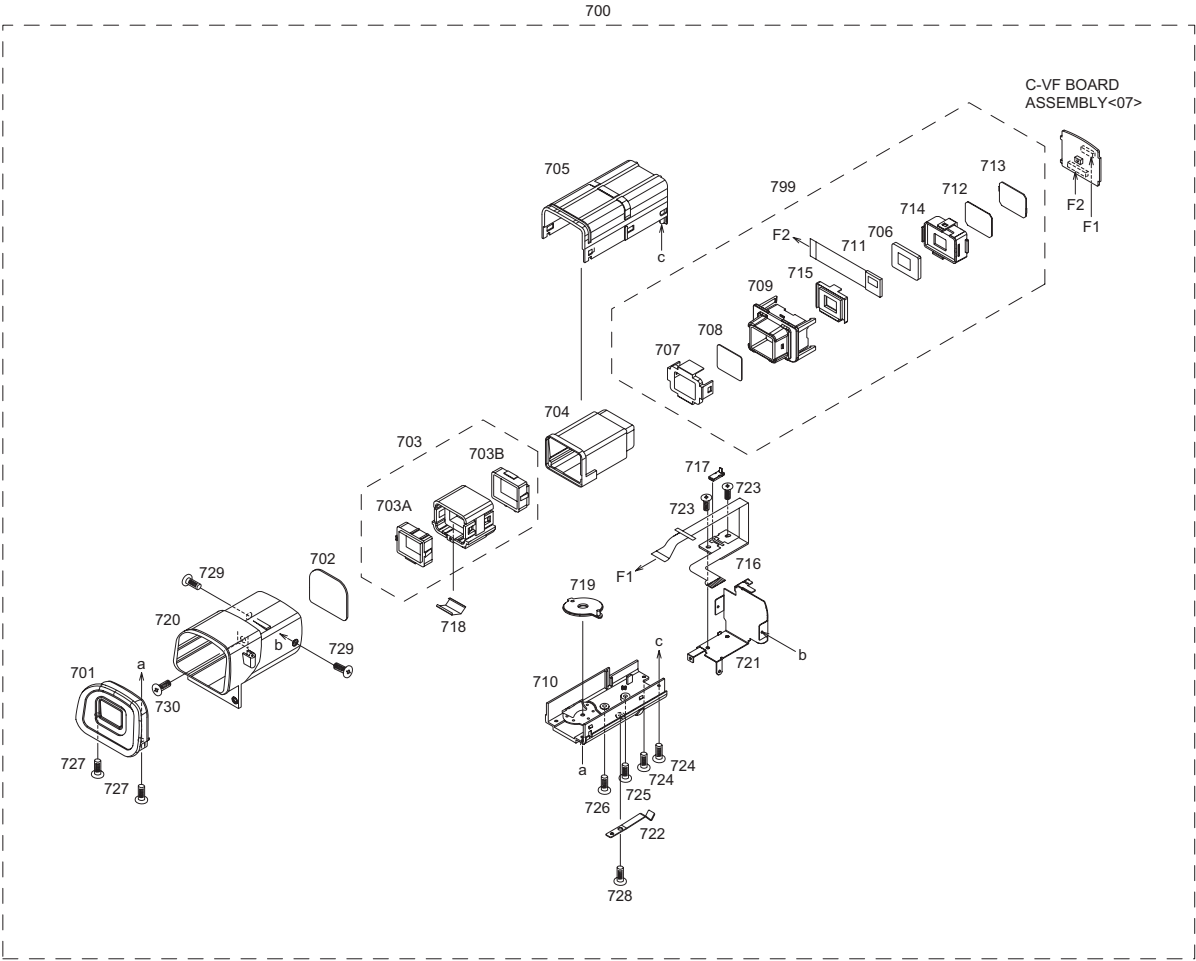
1.3 MECHANISM ASSEMBLY <M3>



Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-JB	AA
Oil	YTU94027	BB
Grease (HANARL)	RX-410R	CC

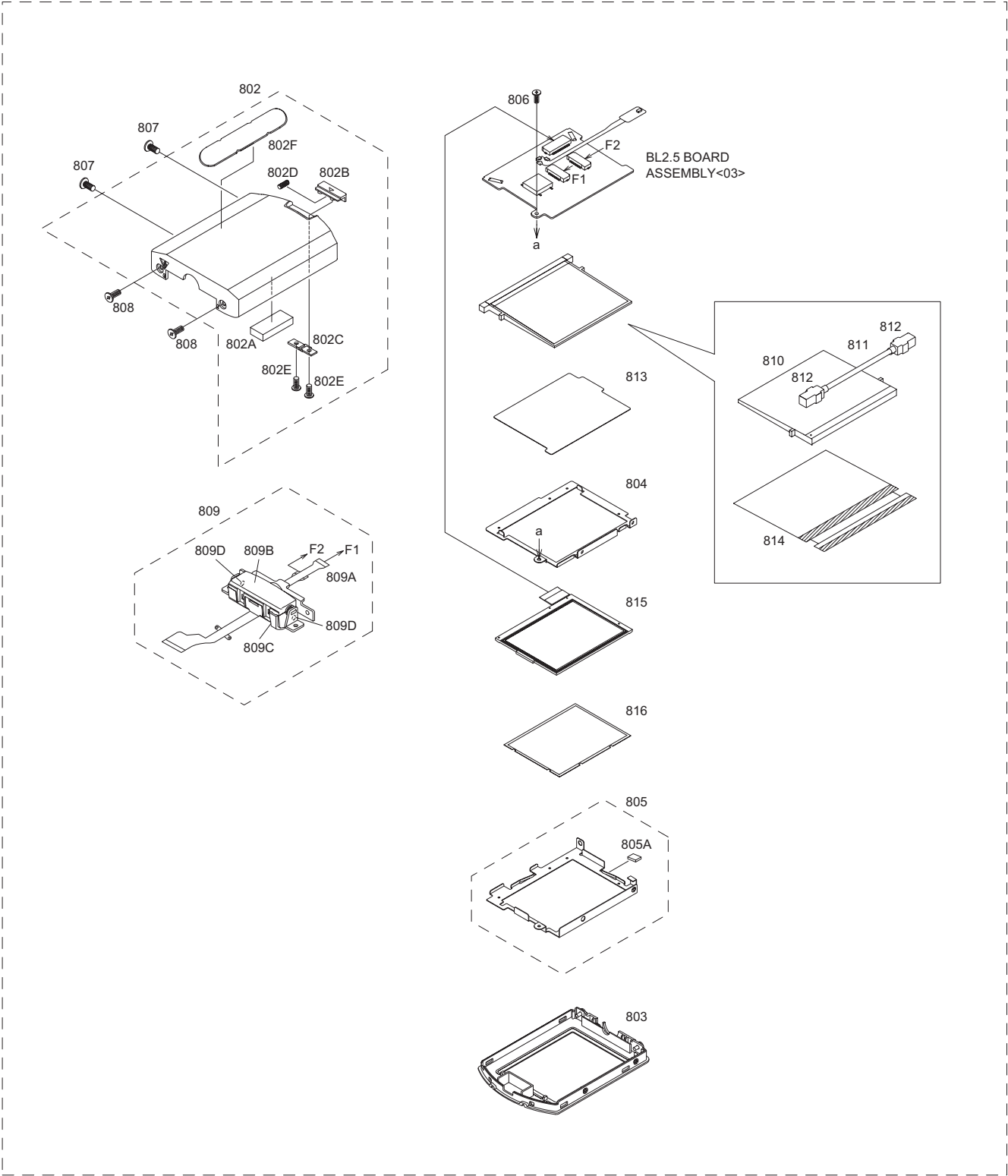
NOTE1: The section marked in AA, BB and CC indicate lubrication and greasing areas.
NOTE2: Mark ★ is not contained in 900A.

1.4 VF(COLOR) ASSEMBLY <M4>



1.5 MONITOR ASSEMBLY <M5>

800



MODEL	MARK	MODEL	MARK
GR-D225EK	A	GR-D225EY	C
GR-D225EX	B	GR-D225EZ	D

2. PARTS LIST

PACKING AND ACCESSORY ASSEMBLY <M1>

△ Symbol No.	Part No.	Part Name	Description	Local
001	LY30023-035B	POLY BAG	JAPAN	
002	LY33696-005B	PACKING CASE	JAPAN	
003	LY33697-001C	CUSHION		
004	QPA02503505P	POLY BAG	ACC. 25cm x 35cm	
005	QAM0508-001	A/V CABLE		
009	QQR0491-002	FERRITE CORE	TDK (BLACK)	
△ 010	LY21104-001C	AC ADAPTER	AP-V14E	
△ 010	or LY21153-001C	AC ADAPTER	AP-V15E	
012	LY33693-001C	CAP(HOOD)ASSY		
△ 013	LY32566-001A	BATTERY PACK ASSY	BN-V408U-B	
014	LY21105-002A	SHOULDER STRAP		
△ 021	QMPL270-190-JR	POWER CORD(EU)	1.9m BLACK	B,C,D
△ 021	QMPP210-190-JR	POWER CORD(EK)	1.9m BLACK	A
022	QAM0302-001	ADAPTOR PLUG	PERI RCAS	
051	LY34452-001A	POLY BAG	DOCUMENT	
△ 055	LYT1418-001A	INST BOOK(EN)	(ENGLISH)	A
△ 055	LYT1418-002A	INST BOOK(GE)	(GERMAN)	B,C
△ 055	LYT1418-003A	INST BOOK(FR)	(FRENCH)	B
△ 055	LYT1418-004A	INST BOOK(DU)	(DUTCH)	B
△ 055	LYT1418-005A	INST BOOK(SP)	(SPANISH)	B
△ 055	LYT1418-006A	INST BOOK(IT)	(ITALIAN)	B
△ 055	LYT1418-007A	INST BOOK(DA)	(DANISH)	C
△ 055	LYT1418-008A	INST BOOK(FI)	(FINN)	C
△ 055	LYT1418-009A	INST BOOK(SW)	(SWEDISH)	C
△ 055	LYT1418-010A	INST BOOK(NO)	(NORWEGIAN)	C
△ 055	LYT1418-011A	INST BOOK(RU)	(RUSSIAN)	D
△ 055	LYT1418-012A	INST BOOK(CZ)	(CZECH)	D
△ 055	LYT1418-013A	INST BOOK(PO)	(POLISH)	D
△ 055	LYT1418-014A	INST BOOK(HU)	(HUNGARIAN)	D
△ 055	LYT1418-015A	INST BOOK(SP)	(SPANISH)	B
057	LYT1412-005A	SHEET(HEAD.EKEX)		A,B
057	LYT1412-006A	SHEET(HEAD.EY)		C
057	LYT1412-007A	SHEET(HEAD.EZER)		D
059	LYT0194-001B	Q.CARD		A
065	-----	WARRANTY CARD	BT-54023-1	

FINAL ASSEMBLY <M2>

△ Symbol No.	Part No.	Part Name	Description	Local
103	LY21086-003D	FRONT COVER ASSY		
103A	LY33664-001A	HOOD(SCREW)		
103B	LY33665-001C	BRACKET(HOOD)		
103C	LY33666-001B	WINDOW(IR)		
103D	LY30031-003A	SPECIAL SCREW	BKT-SCREW(x3)	
△ 104	LY21088-001D	REAR UNIT ASSY		
105	LY33672-001C	COVER(ZOOM)		
106	LY33673-001B	BRACKET(MECHA)ASSY		
106A	LY42796-003A	BUSH	(x3)	
107	LY33674-001D	BRACKET(OP1)ASSY		
107A	LY30030-0Y9B	SPACER(A)	(x2)	
107B	LY44376-001A	RUBBER(OP)		
108	LY34179-001B	BRACKET(OP2)ASSY	JVM	
108B	LY30034-034A	SPACER(A)	JVM	
109	QUQ105-24X8AA	FPC WIRE	OP-MAIN FF 24pin 8.5cm	
110	QUQ105-1202AA	FFC WIRE	MAIN-R FFC 12pin 2cm	
111	LY30031-0E2A	SPECIAL SCREW	RC-BKARM	
112	LY30031-010A	SPECIAL SCREW	BKHO-BKOP	
113	LY30031-0D4A	SPECIAL SCREW	BKME-BKAR(x4)	
114	LY30031-010A	SPECIAL SCREW	LC-BKOP2	
115	LY30031-010A	SPECIAL SCREW	LC-BKOP1	
116	LY30031-003A	SPECIAL SCREW	HOLZ-LC(x2)	
117	LY30031-011A	SPECIAL SCREW	BKOP-OP	
118	LY30031-0D4A	SPECIAL SCREW	BKOP-BKME(x2)	
119	LY30032-001A	SPECIAL SCREW	MAIN-BKME	
120	LY30033-001A	SPECIAL SCREW(W)	MAIN-BKME	
121	LY30032-002A	SPECIAL SCREW	BKME-ME(x3)	
122	LY30031-015A	SPECIAL SCREW	PRE-ME(x2)	
123	LY30033-001A	SPECIAL SCREW(W)	MDA-BKME(x2)	
124	LY30031-010A	SPECIAL SCREW	OP1-OP2	
125	LY30031-010A	SPECIAL SCREW	UC-OP1	
126	LY30031-010A	SPECIAL SCREW	UC-OP2	

△ Symbol No.	Part No.	Part Name	Description	Local
127	LY30031-021A	SPECIAL SCREW	LC-VF	
128	LY30031-021A	SPECIAL SCREW	VF-RC(x2)	
129	LY30031-028A	SPECIAL SCREW	LC-ZOOM	
130	LY30031-010A	SPECIAL SCREW	UC-BKSP	
131	LY30031-006A	SPECIAL SCREW	COVHI-BKSP	
132	LY33388-002A	SHIELD COVER(PR)		
133	LY44553-001A	SHEET(OP1)	EMC	
134	LY44550-001A	SHEET(MA1)	EMC	
136	LY30034-032A	SPACER(A)		
201	LY33677-001C	COVER(ADJUST)		
202	LY33678-002C	COVER(JIG)		
203	LY33699-001A	ORNAMENT(TOP)		
204	LY21085-016A	COVER(UPPER)		
205	LY40699-002A	LABEL(PUSH)		
206	LY32001-004A	LABEL(HOUSING)		
208	LY30031-008A	SPECIAL SCREW	COVUP-RC	
209	LY30031-008A	SPECIAL SCREW	COVUP-UC	
210	LY30031-010A	SPECIAL SCREW	JIG	
211	LY30031-032A	SPECIAL SCREW	ADJ	
301	LY33085-003A	OP BLOCK ASSY		
301A	LY30724-001B	FOCUS MOTOR UNIT		
301B	LY30723-001B	ZOOM MOTOR UNIT		
301C	PTY33085-001	TAPPING SCREW	(x7)	
301D	PTY31727-116	TAPPING SCREW	(x2)	
301E	PTY33085-006	AUTO IRIS UNIT		
302	LY30031-033A	SPECIAL SCREW	(x2)	
303	LY44005-001A	SHEET		
304	LY44120-001A	OPTICAL LPF		
305	LY33288-001A	SPACER		
306	LYH30514-002A	CCD BASE ASSY		
352	LY44554-001A	BUSTERAID	EMC	
353	LY30034-066A	SPACER(A)	EMC	
500	LU04D102E	LOWER UNIT ASSY	JAPAN	
502	LY21078-002D	LOWER CASE ASSY		
502A	LY33639-001B	SHIELD PLATE(MIC)		
502B	LY30031-016A	SPECIAL SCREW	LC-SHLD	
503	LY21079-001H	ARM ASSY		
503A	LY30002-046B	COMPRESION SPRING	(x2)	
503B	LY43973-001A	TENSION SPRING		
504	LY10467-001A	ZOOM UNIT		
505	LY33642-001C	BRACKET(ZOOM)		
506	LY21082-002C	CASSETTE COVER ASSY		
506A	LY33643-001D	KNOB(LOCK)C		
506B	LY33644-001A	HOLDER(LOCK)C		
506C	LY33645-001C	HOOK(G.BELT)		
506D	LY33647-001B	BRACKET(G.BELT)		
506E	LY21083-002A	GRIP BELT		
506F	LY30031-002A	SPECIAL SCREW	C.COV-HOOK	
506G	QYSLSF2040RA	TAP SCREW	C.CO-BKT(G) M2 x 4mm(x2)	
506H	LY30031-013A	SPECIAL SCREW	C.CO-BKT(G)	
506J	LY30031-003A	SPECIAL SCREW	C.CO-KNOB	
506K	LY30031-004A	SPECIAL SCREW	BKT(GB-GB)(x2)	
507	LY33648-001C	COVER(MIC)ASSY		
508	LY33651-001B	PLATE(MIC)		
509	LY33965-001A	MIC		
510	LY30031-003A	SPECIAL SCREW	BKARM-L.C(x4)	
511	LY30031-0D9A	SPECIAL SCREW	LC-BKARM	
512	LY30031-003A	SPECIAL SCREW	ZOO-L.C	
513	LY30031-003A	SPECIAL SCREW	BKZO-LC	
514	LY30031-005A	SPECIAL SCREW	PLTM-SHLD	
515	LY30031-005A	SPECIAL SCREW	COVM-SHLD	
516	LY30031-0H7A	SPECIAL SCREW	ARM-CAS(x2)	
517	LY30031-021A	SPECIAL SCREW	POW-CAS	
518	LY30031-003A	SPECIAL SCREW	BKRE-CAS(x2)	
519	LY30031-0D8A	SPECIAL SCREW	CAS-ARM(x2)	
520	LY30031-0D9A	SPECIAL SCREW	FPWB-BKARM(x2)	
521	LY30030-0Y4A	SPACER(A)		
522	LY30031-003A	SPECIAL SCREW	POW-CAS	
△ 604	LY21084-004H	UPPER CASE ASSY		
604E	LY42350-003A	FOOT	(x2)	
604F	LY33657-002A	CAUTION LABEL(VF)		
604G	LY33658-001C	BASE		
604H	LY30031-010A	SPECIAL SCREW	UC-BASE(x4)	
604J	LY33656-001C	COVER(DUMMY)		
605	LY33659-001C	BRACKET(HINGE)		
607	LY33660-001B	COVER(HINGE)		
608	QAS0157-001	SPEAKER		

MODEL	MARK	MODEL	MARK
GR-D225EK	A	GR-D225EY	C
GR-D225EX	B	GR-D225EZ	D

△ Symbol No.	Part No.	Part Name	Description	Local
609	LY33661-001B	BRACKET(SPK)		
612	LY30031-003A	SPECIAL SCREW	BKTSPK-UC(x2)	
613	LY30031-003A	SPECIAL SCREW	BKTHIN-UC(x2)	
614	LY30031-008A	SPECIAL SCREW	M.PWB-UC(x2)	
615	LY30031-008A	SPECIAL SCREW	VF-UC	
616	LY30031-002A	SPECIAL SCREW	VF-UC	
617	LY30031-009A	SPECIAL SCREW	HIN-BKTHIN(x2)	
618	LY30031-006A	SPECIAL SCREW	UC-BKTHIN	
619	LY30031-006A	SPECIAL SCREW	COVHIN-BKT(x2)	
620	LY30031-002A	SPECIAL SCREW	COVHIN-UC	
622	LY44555-001B	SHEET(MO)	MONI_C PWB	
623	LY30030-023A	SPACER(A)		
624	LY30031-038A	SPECIAL SCREW	M.PCB-UC(x3)	

MECHANISM ASSEMBLY <M3>

△ Symbol No.	Part No.	Part Name	Description	Local
900	YMA0029T	MECHA(A)ASSY	Y/E Y07442	
900A	YMA0029P	MECHA(A)ASSY	JVM/BJVC	
901	LY32870-001Q	CASSETTEHOUSING ASSY		
902	YQ43893-8	MINI SCREW	(x3)	
903	LYH30420-001A	UPPER BASE ASSY		
904	QYSPSPU1425M	SCREW	M1.4 x 2.5mm	
905	YDV2102B	DRUM ASSY	M/B SET022	
906	LY44533-001A	DAMP.SCREW ASSY	JVM/BJVC(x2)	
907	LY44533-002A	DAMP.SCREW ASSY	JVM/BJVC	
908	LY31538-001G	REEL DISK ASSY		
909	LY31538-002J	REEL DISK ASSY		
910	YQ44246	SLIT WASHER	(x2)	
911	LY10372-001K	REEL COVER ASSY		
912	LY42120-002A	MINI SCREW		
913	LY41945-003A	MINI SCREW	(x2)	
914	YQ44246	SLIT WASHER		
915	LY43725-001G	TENSION ARM ASSY		
916	LYH40269-001A	SLANT POLE ARM ASSY		
917	LY43731-001G	TU ARM ASSY		
918	LY31531-001E	SWING ARM ASSY		
919	YQ43893-9	MINI SCREW		
920	LYH30424-001A	SLIDE DECK FINAL ASSY		
921	YQ43893	MINI SCREW	(x2)	
922	LY43023-001A	MINI SCREW		
924	LYH30419-001A	PAD ARM ASSY		
925	YQ44246	SLIT WASHER		
928	LYH40270-001A	TU BRAKE ASSY		
929	YQ44246	SLIT WASHER		
930	LY43684-001C	TENSION CONTROL LEVER ASSY		
931	LY32861-001B	CENTER GEAR		
932	LY31516-001J	PINCH ROLLER ARM FINAL ASSY		
933	YQ44246	SLIT WASHER		
934	LY43681-001B	TENSION CONTROL PLATE ASSY		
935	LY43687-001A	BRAKE CONTROL LEVER ASSY		
936	LYH30421-001A	MOTOR BRACKET ASSY		
937	YQ43893	MINI SCREW	(x3)	
938	LYH30422-001A	GUIDE RAIL ASSY		
939	YQ43893	MINI SCREW		
940	YQ44246	SLIT WASHER	(x2)	
941	LY32843-001H	SLIDE LEVER2 ASSY		
942	LY43690-001B	LOADING PLATE ASSY		
943	YQ44246	SLIT WASHER		
944	LY32858-001B	EJECT LEVER		
945	YQ44246	SLIT WASHER		
946	LYH40271-001A	BASE R ASSY		
947	YQ43893	MINI SCREW		
948	LY41945-001B	MINI SCREW		
949	LY43665-001A	MODE GEAR		
950	QSW0876-005	ROTARY ENCODER		
951	YQ43893	MINI SCREW	(x2)	
952	LY32860-001E	GEAR COVER ASSY		
953	YQ43893	MINI SCREW	(x2)	
954	YQ43893-4	MINI SCREW		
955	LY43676-001B	MAIN CAM ASSY		
956	LY41941-001B	SLIDE ARM ASSY		
957	LY43678-001A	CONNECT GEAR 2		
958	LY43679-001C	SUB CAM ASSY		
959	LY42120-001A	MINI SCREW		

△ Symbol No.	Part No.	Part Name	Description	Local
960	LY43692-001B	CONTROL ARM ASSY		
961	LY32859-001A	REEL GEAR 1		
962	LY31508-003F	DRUM BASE ASSY		
963	LY43675-006B	MINI SCREW	(x3)	
964	QAR0142-001	CAPSTAN MOTOR		
965	YQ43893	MINI SCREW		
966	LY10367-001N	MAIN DECK ASSY		
976	YQ44246	SLIT WASHER		
978	LY44609-001A	WASHER		
979	LY44502-001A	SPACER	JVM/BJVC	
998	QYWFM163013	WASHER	6.3mm/21.1mm x 0.01mm	

VF(COLOR) ASSEMBLY <M4>

△ Symbol No.	Part No.	Part Name	Description	Local
700	VU04D102A	VF UNIT ASSY	JAPAN	
701	LY33690-001C	EYE CUP		
702	LY43961-001B	SHEET(LENS)		
703	LY32472-001A	LENS ASSY		
703A	LY43356-001A	LENS(A)		
703B	LY43357-001A	LENS(B)		
704	LY33688-001B	GUIDE LENS(VF)		
705	LY21095-001E	UPPER CASE(VF)		
706	LY43957-001A	CUSHION(LCD)		
707	LY32997-001A	SHEET HOLD(VF)		
708	LY43953-001A	SHEET 1(POLA)		
709	LY32994-001B	HOLDER LCD(VF)		
710	LY21094-001D	BOTTOM CASE(VF)		
711	QLD0306-001	LCD MODULE		
712	LY43954-001A	SHEET 2(POLA)		
713	LY43955-001A	SHEET (DIFF)		
714	LY32998-001A	LCD HOLD(VF)		
715	LY33002-001B	GUIDE(LCD)		
716	QAL0523-001	FPC	VF-FPC	
717	NSW0245-001X	LEVER SWITCH		
718	LY43868-001A	SPRING(LENS)		
719	LY33689-001C	LEVER(LENS)		
720	LY21096-001C	HOLDER(VF)		
721	LY33691-001B	BRACKET(VF)		
722	LY33692-001A	SPRING(VF)		
723	LY30031-016A	SPECIAL SCREW	PWB-BKT(x2)	
724	LY30031-031A	SPECIAL SCREW	BC-UC(x2)	
725	LY30031-030A	SPECIAL SCREW	BC-HLDLCD	
726	LY30031-031A	SPECIAL SCREW	BC-GUID	
727	LY30032-005A	SPECIAL SCREW	EYE-GUID(x2)	
728	LY30031-026A	SPECIAL SCREW	SPR-LC	
729	LY30031-016A	SPECIAL SCREW	HLDVF-BKT(x2)	
730	LY30031-010A	SPECIAL SCREW	HLDVF-BKT	
799	LY33821-001A	LCD UNIT ASSY		

MONITOR ASSEMBLY <M5>

△ Symbol No.	Part No.	Part Name	Description	Local
△ 800	MU04D104E	MONITOR UNIT ASSY		
△ 802	LY21092-004H	MONITOR COVER ASSY		
802A	LY30030-0Z1B	SPACER(A)		
802B	LY33680-001B	KNOB(LOCK)M		
802C	LY33681-001B	HOLDER(LOCK)M		
802D	LY30002-022A	COMPRESION SPRING		
802E	LY30031-008A	SPECIAL SCREW	(x2)	
802F	LY44428-001C	POP STICKER(1)		
803	LY10471-001C	MONITOR CASE		
804	LY33683-001A	LCD FRAME(MONI)		
805	LY33969-001A	SHIELD CASE ASSY		
805A	LY30030-0Z8A	SPACER(A)	FOR S.CASE	
806	LY30033-001A	SPECIAL SCREW(W)	M.PWB-S.C	
807	LY30031-0E2A	SPECIAL SCREW	MCOV-MCAS(x2)	
808	LY30031-013A	SPECIAL SCREW	MCOV-HING(x2)	
809	LY33685-001C	MONITOR HINGE ASSY		
809A	QAL0522-001	FPC	MONI-FPC	
809B	LY33686-001B	HINGE COVER(U)		

MODEL	MARK	MODEL	MARK
GR-D225EK	A	GR-D225EY	C
GR-D225EX	B	GR-D225EZ	D

Symbol No.	Part No.	Part Name	Description	Local
809C	LY33687-001B	HINGE COVER(L)		
809D	LY30031-014A	SPECIAL SCREW	HINC.U-L(x2)	
810	LY44481-001A	LIGHT SCREEN		
811	QLL0142-001	LAMP		
812	LY43936-001A	HOLDER(LAMP)	(x2)	
813	LY33684-001A	SHEET(DIFF.)		
814	LY43396-001A	SHEET(REFLECT)		
815	QLD0294-001	LCD MODULE		
816	LY44495-001D	SHEET(MONI.)		

MAIN BOARD ASSEMBLY <01>

Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10449B-04	MAIN BOARD ASSY		
IC1001	MN103S33NJS	IC(MICRO C ROM)	MASK	
IC1001	or MN103SF33NY4JS	IC(MICRO C ROM)	FLASH	
IC1002	MB90097PFV149EX	IC(MICRO C ROM)	MB90099	
IC1003	SN74AHC1G00K-X	IC		
IC1003	or SN74AHC1G00DC-X	IC		
IC1004	NJU7108F3-X	IC		
IC1004	or TC75S56FU-X	IC		
IC1005	CAT25C32SI-X	IC	CATALYST	
IC1005	or M95320-WMN6P-X	IC	ST MICRO	
IC1006	RS5C314-X	IC		
IC1007	S-80823CNNB-G-W	IC		
IC1007	or S-80823CNNB-G-W	IC		
IC1101	BA10358F-XE	IC	W/B SENS	
IC1101	or LM358DR-X	IC	W/B SENS	
IC1151	RPM7138	IR DETECT UNIT	IR SENS	
IC1151	or RPM7138-S	IR DETECT UNIT	IR SENS	
IC1151	or KSM-2003LN2E	IR DETECT UNIT		
IC2201	AK4564VQ	IC		
IC3001	JCY0152	IC	JCY0152	
IC3002	BU2501FV-X	IC		
IC3005	JCY0136-X	IC	JCY0136-X	
IC3201	JCP8075	IC		
IC3701	BA7665AFS-X	IC		
IC4201	HD49340NP-X	IC		
IC4202	MM1613AN-X	IC		
IC4301	JCY0200	IC		
IC4802	LM324PW-X	IC	HALL AMP	
IC4804	LM358AD-X	IC	DRIVE AMP	
IC4851	UPD16879GS-X	IC	F/Z_MDA	
IC5501	JCY0185	IC		
IC6001	FA3698F	IC		
IC6801	R1224N102G-X	IC		
Q1001	DTA114EE-X	DIGI TRANSISTOR		
Q1001	or PDTA114EE-X	DIGI TRANSISTOR		
Q1001	or RN2102-X	DIGI TRANSISTOR		
Q1001	or BCR183T-X	DIGI TRANSISTOR		
Q1002	UMC3N-W	DIGI TRANSISTOR		
Q1002	or XP03311-W	DIGI TRANSISTOR		
Q1003	UMC3N-W	DIGI TRANSISTOR		
Q1003	or XP03311-W	DIGI TRANSISTOR		
Q1004	UMC3N-W	DIGI TRANSISTOR		
Q1004	or XP03311-W	DIGI TRANSISTOR		
Q1005	DTC143XE-X	DIGI TRANSISTOR		
Q1006	DTC144EE-X	DIGI TRANSISTOR		
Q1006	or UN9213J-X	DIGI TRANSISTOR		
Q1006	or RN1104-X	DIGI TRANSISTOR		
Q1006	or PDTC144EE-X	DIGI TRANSISTOR		
Q1007	2SC4617/QR/-X	TRANSISTOR		
Q1007	or BC847BT-X	TRANSISTOR		
Q1008	DTC124EE-X	DIGI TRANSISTOR		
Q1008	or PDTC124EE-X	DIGI TRANSISTOR		
Q1008	or BCR141T-X	DIGI TRANSISTOR		
Q1009	2SJ347-X	MOS FET		
Q1010	DTC144EE-X	DIGI TRANSISTOR		
Q1010	or UN9213J-X	DIGI TRANSISTOR		
Q1010	or RN1104-X	DIGI TRANSISTOR		
Q1010	or PDTC144EE-X	DIGI TRANSISTOR		
Q1101	RPM-22PB	PHOTO TRANSISTOR		
Q2202	UMX1N-W	PAIR TRANSISTOR		

Symbol No.	Part No.	Part Name	Description	Local
Q2202	or BC847S-X	PAIR TRANSISTOR		
Q2401	2SC4617/QR/-X	TRANSISTOR		
Q2401	or BC847BT-X	TRANSISTOR		
Q2403	2SC4617/QR/-X	TRANSISTOR		
Q2403	or BC847BT-X	TRANSISTOR		
Q3001	2SC4617/RS/-X	TRANSISTOR		
Q3001	or BC847BT-X	TRANSISTOR		
Q3002	2SC4617/RS/-X	TRANSISTOR		
Q3002	or BC847BT-X	TRANSISTOR		
Q3701	UMT1N-W	PAIR TRANSISTOR		
Q3701	or XP4401-W	TRANSISTOR		
Q3701	or BC856S-X	PAIR TRANSISTOR		
Q3702	BC847PN-X	PAIR TRANSISTOR		
Q3704	2SA1774/RS/-X	TRANSISTOR		
Q3704	or BC857BT-X	TRANSISTOR		
Q3705	UMT1N-W	PAIR TRANSISTOR		
Q3705	or XP4401-W	TRANSISTOR		
Q3705	or BC856S-X	PAIR TRANSISTOR		
Q4801	2SC4655J/BC/-X	TRANSISTOR	HALL DRIVE	
Q4806	2SC4617/QR/-X	TRANSISTOR	2SC4617/QR	
Q4806	or BC847BT-X	TRANSISTOR		
Q4851	2SC4617/RS/-X	TRANSISTOR		
Q4851	or BC847BT-X	TRANSISTOR		
Q6101	QS6U24-W	MOS FET		
Q6102	2SA1577/QR/-X	TRANSISTOR		
Q6102	or BC807-25W-X	TRANSISTOR		
Q6201	QS6U24-W	MOS FET		
Q6301	QS6U24-W	MOS FET		
Q6302	2SA1577/QR/-X	TRANSISTOR		
Q6302	or BC807-25W-X	TRANSISTOR		
Q6303	2SC4617/QR/-X	TRANSISTOR		
Q6303	or BC847BT-X	TRANSISTOR		
Q6401	QS6U24-W	MOS FET		
Q6501	QS6U24-W	MOS FET		
Q6601	SSM3J14T-X	MOS FET		
Q6603	2SA1577/QR/-X	TRANSISTOR		
Q6603	or BC807-25W-X	TRANSISTOR		
Q6604	DTC144EE-X	DIGI TRANSISTOR		
Q6604	or BCR148T-X	DIGI TRANSISTOR		
Q6605	UMT1N-W	PAIR TRANSISTOR		
Q6605	or HN1A01FU/G/-X	PAIR TRANSISTOR		
Q6605	or BC856S-X	PAIR TRANSISTOR		
Q6606	2SC4617/QR/-X	TRANSISTOR		
Q6606	or BC847BT-X	TRANSISTOR		
Q6701	SSM3J14T-X	MOS FET		
Q6801	FML9-W	TRANSISTOR		
D1001	DA221-X	DIODE ARRAY		
D3001	EC2C01C-TR-X	VARI CAP DIODE		
D3002	EC2C01C-TR-X	VARI CAP DIODE		
D3003	EC2C01C-TR-X	VARI CAP DIODE		
D3004	BAT165-X	SB DIODE		
D4301	MA2Z748-X	SB DIODE		
D5501	BAS16-03W-X	SI DIODE		
D6601	RB481K-X	SB DIODE		
D6602	RB480Y-W	SB DIODE		
D6701	RB160M-30-X	SB DIODE		
D6702	RB160M-30-X	SB DIODE		
△ D6801	RB715F-X	SB DIODE		
△ D6801	or BAS40-05W-X	SB DIODE		
C1001	NDCA1HJ-4R0W	C CAPACITOR	4pF 50V J	
C1002	NDCA1HJ-4R0W	C CAPACITOR	4pF 50V J	
C1004	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1005	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1007	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1008	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1009	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1010	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1011	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1012	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1013	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1014	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1015	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1019	NCFA1HZ-103W	C CAPACITOR	0.01uF 50V Z	
C1020	NCBA1EK-682W	C CAPACITOR	6800pF 25V K	
C1021	NCBA1EK-682W	C CAPACITOR	6800pF 25V K	
C1022	NCFA1HZ-103W	C CAPACITOR	0.01uF 50V Z	

MODEL	MARK	MODEL	MARK
GR-D225EK	A	GR-D225EY	C
GR-D225EX	B	GR-D225EZ	D

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C1024	NCFA1HZ-103W	C CAPACITOR	0.01uF 50V Z		C3024	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C1025	NCFA1HZ-103W	C CAPACITOR	0.01uF 50V Z		C3025	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1029	NCFA1HZ-103W	C CAPACITOR	0.01uF 50V Z		C3026	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1030	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C3027	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C1032	NCFA1HZ-103W	C CAPACITOR	0.01uF 50V Z		C3028	NDCA1EJ-271W	C CAPACITOR	270pF 25V J	
C1035	NCFA1HZ-103W	C CAPACITOR	0.01uF 50V Z		C3029	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1036	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z		C3030	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1038	NCFA1HZ-103W	C CAPACITOR	0.01uF 50V Z		C3031	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1039	NCFA1HZ-103W	C CAPACITOR	0.01uF 50V Z		C3032	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C1040	NDCA1HJ-100W	C CAPACITOR	10pF 50V J		C3033	NDCA1HJ-220W	C CAPACITOR	22pF 50V J	
C1042	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z		C3036	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J	
C1043	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z		C3037	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J	
C1044	NDCA1HJ-470W	C CAPACITOR	47pF 50V J		C3042	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1045	NDCA1HJ-470W	C CAPACITOR	47pF 50V J		C3043	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1046	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3044	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1051	NCB31CK-223X	C CAPACITOR	0.022uF 16V K		C3045	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1052	NCB31CK-223X	C CAPACITOR	0.022uF 16V K		C3046	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1053	NCB31CK-223X	C CAPACITOR	0.022uF 16V K		C3047	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1054	NCB31CK-223X	C CAPACITOR	0.022uF 16V K		C3048	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C1055	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z		C3049	NCBA1HK-222W	C CAPACITOR	2200pF 50V K	
C1064	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M		C3050	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1102	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M		C3055	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1103	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K		C3059	NBE20GM-226X	TA E CAPACITOR	22uF 4V M	
C1104	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K		C3060	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1105	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C3064	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C1106	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C3066	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1107	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C3067	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C2201	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C3069	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2202	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C3201	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C3202	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C3203	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2205	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C3204	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2209	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C3205	NBE20GM-476X	TA E CAPACITOR	47uF 4V M	
C2210	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C3206	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2213	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C3207	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2214	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C3209	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2215	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C3211	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2216	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C3214	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2217	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C3216	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2218	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C3217	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2223	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C3219	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2224	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C3220	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2401	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C3221	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2402	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C3222	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2403	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C3223	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2404	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C3224	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2405	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C3225	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2406	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C3229	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2603	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K		C3233	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2604	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K		C3234	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2605	NCBA1EK-472W	C CAPACITOR	4700pF 25V K		C3701	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2606	NCBA1EK-472W	C CAPACITOR	4700pF 25V K		C3702	NDCA1HJ-560W	C CAPACITOR	56pF 50V J	
C2607	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		C3703	NDCA1HJ-270W	C CAPACITOR	27pF 50V J	
C2608	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		C3704	NDCA1HJ-680W	C CAPACITOR	68pF 50V J	
C2611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C3705	NDCA1HJ-270W	C CAPACITOR	27pF 50V J	
C2612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C3706	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2613	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C3707	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2614	NDCA1HJ-101W	C CAPACITOR	100pF 50V J		C3708	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2615	NDCA1HJ-101W	C CAPACITOR	100pF 50V J		C3709	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2616	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C3712	NEAF0GM-337X	E CAPACITOR	330uF 4V M	
C2617	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C3713	NEAF0GM-337X	E CAPACITOR	330uF 4V M	
C2618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C3715	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C4201	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3001	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C4202	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3003	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C4203	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3005	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C4204	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3006	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C4206	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3007	NBE20GM-476X	TA E CAPACITOR	47uF 4V M		C4207	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3008	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C4208	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3009	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C4209	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3011	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4210	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3012	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4211	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3013	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C4212	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3016	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4213	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3017	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4214	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3021	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4216	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3022	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C4301	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3023	NDCA1HJ-330W	C CAPACITOR	33pF 50V J		C4302	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	

MODEL	MARK	MODEL	MARK
GR-D225EK	A	GR-D225EY	C
GR-D225EX	B	GR-D225EZ	D

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C4303	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6503	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4306	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6505	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4307	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6601	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4308	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6602	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4309	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6603	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C4311	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		C6605	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4313	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C6606	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4316	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C6607	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C4803	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C6608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4806	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z		C6609	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4808	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C6610	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C4810	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C6701	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4811	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		C6703	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4813	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z		C6801	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4815	NCB31HK-152X	C CAPACITOR	1500pF 50V K		C6802	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C4819	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6804	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4851	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C6807	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C4853	NBE21AM-335X	TA E CAPACITOR	3.3uF 10V M		C6809	NDCA1HJ-151W	C CAPACITOR	150pF 50V J	
C4854	NBE21AM-106X	TA E CAPACITOR	10uF 10V M						
C4858	NDCA1HJ-330W	C CAPACITOR	33pF 50V J		R1001	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
C4859	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K		R1002	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C4860	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K		R1003	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C4861	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		R1006	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
C4862	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		R1007	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
C4864	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		R1008	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
C5503	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		R1009	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
C5506	NBE40GM-476X	TA E CAPACITOR	47uF 4V M		R1011	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C5507	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		R1012	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
C5509	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		R1013	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
C5510	NBP21VM-105X	TA E CAPACITOR	1uF 35V M		R1014	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
C5511	NBP41EM-475X-B	TA E CAPACITOR	4.7uF 25V M		R1015	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
C5512	NBE21AM-106X	TA E CAPACITOR	10uF 10V M		R1016	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
C5513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1017	NRSA6AJ-474W	MG RESISTOR	470kΩ 1/16W J	
C5514	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		R1018	NRSA6AJ-474W	MG RESISTOR	470kΩ 1/16W J	
C5515	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		R1020	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C5517	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1021	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C5518	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K		R1022	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
C6001	NCBA1HK-332W	C CAPACITOR	3300pF 50V K		R1023	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
C6003	NEAF1CM-106X	E CAPACITOR	10uF 16V M		R1024	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C6021	NCB21CK-104X	C CAPACITOR	0.1uF 16V K		R1025	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C6022	NCB21CK-104X	C CAPACITOR	0.1uF 16V K		R1026	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
C6023	NCB21CK-105X	C CAPACITOR	1uF 16V K		R1028	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
C6024	NCB21CK-105X	C CAPACITOR	1uF 16V K		R1030	NRSA6AJ-753W	MG RESISTOR	75kΩ 1/16W J	
C6025	NCB21CK-105X	C CAPACITOR	1uF 16V K		R1031	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
C6026	NCB21CK-105X	C CAPACITOR	1uF 16V K		R1032	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
C6027	NCBA1EK-472W	C CAPACITOR	4700pF 25V K		R1033	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
C6029	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		R1034	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
C6030	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		R1035	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
C6031	NCBA1EK-472W	C CAPACITOR	4700pF 25V K		R1037	NRSA6AJ-561W	MG RESISTOR	560Ω 1/16W J	
C6032	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		R1038	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C6033	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		R1039	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
C6034	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1040	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C6035	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1043	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C6036	NDCA1HJ-101W	C CAPACITOR	100pF 50V J		R1044	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C6037	NCB21CK-473X	C CAPACITOR	0.047uF 16V K		R1045	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
C6038	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		R1046	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C6039	NCB21CK-224X	C CAPACITOR	0.22uF 16V K		R1047	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C6040	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		R1048	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
C6041	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		R1049	NRSA6AJ-623W	MG RESISTOR	62kΩ 1/16W J	
C6042	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		R1050	NRSA6AJ-823W	MG RESISTOR	82kΩ 1/16W J	
C6043	NCB31CK-683X	C CAPACITOR	0.068uF 16V K		R1051	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
C6044	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K		R1052	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C6045	NCB21CK-105X	C CAPACITOR	1uF 16V K		R1053	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
C6101	NCB21CK-105X	C CAPACITOR	1uF 16V K		R1054	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C6103	NCB10JK-106X	C CAPACITOR	10uF 6.3V K		R1055	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
C6104	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		R1056	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
C6105	NCBA1HK-561W	C CAPACITOR	560pF 50V K		R1057	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
C6106	NCB21CK-105X	C CAPACITOR	1uF 16V K		R1060	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
C6201	NCB21CK-105X	C CAPACITOR	1uF 16V K		R1062	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
C6203	NCB10JK-106X	C CAPACITOR	10uF 6.3V K		R1063	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
C6204	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		R1064	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
C6301	NCB21CK-105X	C CAPACITOR	1uF 16V K		R1065	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
C6303	NCB10JK-106X	C CAPACITOR	10uF 6.3V K		R1066	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
C6304	NCBA1HK-102W	C CAPACITOR	1000pF 50V K		R1067	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
C6401	NCB21CK-105X	C CAPACITOR	1uF 16V K		R1068	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
C6403	NCB21CK-105X	C CAPACITOR	1uF 16V K		R1069	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
C6405	NCB31CK-683X	C CAPACITOR	0.068uF 16V K		R1070	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
C6501	NCB21CK-105X	C CAPACITOR	1uF 16V K		R1071	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	

MODEL	MARK	MODEL	MARK
GR-D225EK	A	GR-D225EY	C
GR-D225EX	B	GR-D225EZ	D

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R1072	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J		R3016	NRVA6AD-560W	CMF RESISTOR	56Ω 1/16W D	
R1073	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R3017	NRVA6AD-560W	CMF RESISTOR	56Ω 1/16W D	
R1074	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J		R3018	NRVA6AD-560W	CMF RESISTOR	56Ω 1/16W D	
R1075	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J		R3019	NRVA6AD-560W	CMF RESISTOR	56Ω 1/16W D	
R1076	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J		R3020	NRVA6AD-512W	CMF RESISTOR	5.1kΩ 1/16W D	
R1077	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J		R3025	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1078	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J		R3027	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1079	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J		R3029	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R1080	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J		R3030	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R1081	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R3031	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R1082	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J		R3032	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R1084	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		R3034	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1085	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		R3036	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1086	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J		R3037	NRSA6AJ-681W	MG RESISTOR	680Ω 1/16W J	
R1087	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J		R3057	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R1088	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J		R3066	NRSA6AJ-561W	MG RESISTOR	560Ω 1/16W J	
R1089	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J		R3067	NRSA6AJ-561W	MG RESISTOR	560Ω 1/16W J	
R1091	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R3068	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R1092	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R3069	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1093	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R3074	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1094	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R3201	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R1095	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		R3202	NRSA6AD-183W	MG RESISTOR	18kΩ 1/16W D	
R1096	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J		R3203	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R1097	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J		R3204	NRSA6AD-821W	MG RESISTOR	820Ω 1/16W D	
R1099	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J		R3205	NRSA6AD-821W	MG RESISTOR	820Ω 1/16W D	
R1101	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J		R3701	NRSA6AD-271W	MG RESISTOR	270Ω 1/16W D	
R1102	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J		R3702	NRSA6AD-271W	MG RESISTOR	270Ω 1/16W D	
R1103	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J		R3703	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1104	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J		R3704	NRSA6AD-301W	MG RESISTOR	300Ω 1/16W D	
R1105	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J		R3705	NRSA6AD-301W	MG RESISTOR	300Ω 1/16W D	
R1106	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R3706	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1107	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R3707	NRSA6AD-680W	MG RESISTOR	68Ω 1/16W D	
R1108	NRSA6AJ-302W	MG RESISTOR	3kΩ 1/16W J		R3708	NRSA6AD-680W	MG RESISTOR	68Ω 1/16W D	
R1151	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J		R3709	NRSA6AD-680W	MG RESISTOR	68Ω 1/16W D	
R2201	NRSA6AJ-684W	MG RESISTOR	680kΩ 1/16W J		R3710	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R2202	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J		R3711	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R2203	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J		R3712	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R2204	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J		R3713	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R2206	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J		R3714	NRSA6AJ-823W	MG RESISTOR	82kΩ 1/16W J	
R2207	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J		R3715	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R2208	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J		R3722	NRSA6AD-131W	MG RESISTOR	130Ω 1/16W D	
R2209	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J		R3724	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R2212	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω 1/16W J		R3725	NRSA6AD-131W	MG RESISTOR	130Ω 1/16W D	
R2213	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω 1/16W J		R3726	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R2217	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J		R3727	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R2218	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J		R3728	NRSA6AD-131W	MG RESISTOR	130Ω 1/16W D	
R2222	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J		R3730	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R2223	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J		R4201	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R2224	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J		R4204	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R2229	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J		R4301	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R2230	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J		R4303	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2231	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J		R4308	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R2401	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J		R4326	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R2402	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J		R4332	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2403	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J		R4345	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R2407	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J		R4346	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R2601	NRSA6AJ-182W	MG RESISTOR	1.8kΩ 1/16W J		R4804	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R2602	NRSA6AJ-182W	MG RESISTOR	1.8kΩ 1/16W J		R4805	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R2607	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J		R4806	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R2608	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J		R4807	NRSA6AJ-823W	MG RESISTOR	82kΩ 1/16W J	
R2609	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J		R4808	NRSA6AJ-243W	MG RESISTOR	24kΩ 1/16W J	
R2610	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J		R4809	NRSA6AJ-681W	MG RESISTOR	680Ω 1/16W J	
R2611	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R4810	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R2612	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R4811	NRSA6AJ-824W	MG RESISTOR	820kΩ 1/16W J	
R2613	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R4812	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R2614	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R4814	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R3002	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R4815	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3004	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R4816	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R3005	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J		R4817	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
R3006	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J		R4818	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
R3007	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J		R4819	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3008	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J		R4820	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R3009	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R4821	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R3010	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		R4822	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R3011	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J		R4823	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3013	NRSA6AJ-242W	MG RESISTOR	2.4kΩ 1/16W J		R4824	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3014	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J		R4833	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R3015	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J		R4836	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	

MODEL	MARK	MODEL	MARK
GR-D225EK	A	GR-D225EY	C
GR-D225EX	B	GR-D225EZ	D

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R4844	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J		R6616	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4856	NRSA6AJ-6R8W	MG RESISTOR	6.8Ω 1/16W J		R6617	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R4857	NRSA6AJ-6R8W	MG RESISTOR	6.8Ω 1/16W J		R6618	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4858	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J		R6619	NRSA6AD-823W	MG RESISTOR	82kΩ 1/16W D	
R4862	NRSA6AJ-6R8W	MG RESISTOR	6.8Ω 1/16W J		R6701	NRZ0058-R20X	MG RESISTOR	0.2Ω 1/2W J	
R4863	NRSA6AJ-6R8W	MG RESISTOR	6.8Ω 1/16W J		R6702	NRSA6AD-114W	MG RESISTOR	110kΩ 1/16W D	
R4864	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		R6703	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D	
R4865	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		R6704	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R4866	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		R6706	NRSA6AD-823W	MG RESISTOR	82kΩ 1/16W D	
R4867	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		R6707	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R4868	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J		R6804	NRVA6AD-563W	CMF RESISTOR	56kΩ 1/16W D	
R4870	NRSA6AJ-271W	MG RESISTOR	270Ω 1/16W J		△ R6805	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5501	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J		R6813	NRVA6AD-273W	CMF RESISTOR	27kΩ 1/16W D	
R5503	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J		R6815	NRSA6AJ-681W	MG RESISTOR	680Ω 1/16W J	
R5504	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J		RA1001	NRZ0034-473W	NET RESISTOR	47kΩ 1/32W J	
R5505	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J		RA1002	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
R5506	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J		RA1004	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
R5507	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J		RA1005	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
R5509	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J		RA1006	NRZ0034-102W	NET RESISTOR	1kΩ 1/32W J	
R5511	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J		RA1007	NRZ0034-102W	NET RESISTOR	1kΩ 1/32W J	
R5512	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		RA1008	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
R5513	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		RA3001	NRZ0034-560W	NET RESISTOR	56Ω 1/32W J	
R5514	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		RA3002	NRZ0034-560W	NET RESISTOR	56Ω 1/32W J	
R6021	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		RA3003	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	
R6022	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
R6023	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		L1001	NQL402M-100X	COIL	10uH M	
R6024	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J		L1002	NQL402M-100X	COIL	10uH M	
R6025	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J		L2401	NQL402M-100X	COIL	10uH M	
R6026	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J		L2402	NQL402M-100X	COIL	10uH M	
R6027	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D		L3001	NQR0129-002X	FERRITE BEADS		
R6028	NRSA6AD-751W	MG RESISTOR	750Ω 1/16W D		L3002	NQR0129-002X	FERRITE BEADS		
R6029	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D		L3004	NQR0006-001X	FERRITE BEADS		
R6030	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J		L3005	NQR0006-001X	FERRITE BEADS		
R6031	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J		L3007	NQL085J-2R2X	COIL	2.2uH J	
R6033	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J		L3008	NQL085J-120X	COIL	12uH J	
R6034	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J		L3012	NQR0129-002X	FERRITE BEADS		
R6035	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J		L3014	NQL38DK-100X	P COIL	10uH K	
R6036	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J		L3015	NQR0006-001X	FERRITE BEADS		
R6037	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D		L3201	NQR0129-002X	FERRITE BEADS		
R6044	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J		L3202	NQR0129-002X	FERRITE BEADS		
R6046	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J		L3203	NQR0006-001X	FERRITE BEADS		
R6048	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		L3204	NQL38DK-100X	P COIL	10uH K	
R6049	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		L3701	NQL38DK-100X	P COIL	10uH K	
R6102	NRVA6AD-223W	CMF RESISTOR	22kΩ 1/16W D		L4201	NQR0129-002X	FERRITE BEADS		
R6103	NRVA6AD-103W	CMF RESISTOR	10kΩ 1/16W D		L4301	NQR0129-002X	FERRITE BEADS		
R6104	NRSA6AJ-474W	MG RESISTOR	470kΩ 1/16W J		L4302	NQR0129-002X	FERRITE BEADS		
R6105	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J		L4802	NQL302N-100X	COIL	10uH N	
R6106	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J		L4851	NQR0129-002X	FERRITE BEADS		
R6107	NRSA6AD-183W	MG RESISTOR	18kΩ 1/16W D		L4852	NQL38DK-100X	P COIL	10uH K	
R6108	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D		L4853	NQL38DK-100X	P COIL	10uH K	
R6202	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D		L5501	NQL38DK-100X	P COIL	10uH K	
R6203	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D		L5502	NQR0129-002X	FERRITE BEADS		
R6204	NRSA6AJ-122W	MG RESISTOR	1.2kΩ 1/16W J		L5503	NQR0129-002X	FERRITE BEADS		
R6302	NRSA6AD-183W	MG RESISTOR	18kΩ 1/16W D		L5504	NQR0129-002X	FERRITE BEADS		
R6303	NRSA6AD-472W	MG RESISTOR	4.7kΩ 1/16W D		L5505	NQL38DK-100X	P COIL	10uH K	
R6305	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J		L5506	NQL38DK-100X	P COIL	10uH K	
R6306	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J		L6101	NQL52EM-390X	COIL	39uH M	
R6308	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J		L6201	NQL82EN-390X	COIL	39uH N	
R6402	NRSA6AD-243W	MG RESISTOR	24kΩ 1/16W D		L6301	NQL52EM-390X	COIL	39uH M	
R6403	NRSA6AD-302W	MG RESISTOR	3kΩ 1/16W D		L6302	NQL144K-220X	P COIL	22uH K	
R6405	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J		L6401	NQL52EM-470X	COIL	47uH M	
R6406	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J		L6501	NQL52EM-470X	COIL	47uH M	
R6407	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J		L6601	NQLZ011-221X	COIL	220uH M	
R6502	NRSA6AD-473W	MG RESISTOR	47kΩ 1/16W D		L6701	NQL73EM-100X	COIL	10uH M	
R6503	NRSA6AD-562W	MG RESISTOR	5.6kΩ 1/16W D		L6801	NQL79GM-470X	COIL	47uH M	
R6505	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J						
R6506	NRSA6AJ-273W	MG RESISTOR	27kΩ 1/16W J						
R6602	NRSA6AD-114W	MG RESISTOR	110kΩ 1/16W D		CN101	QGF0528F1-40X	CONNECTOR	MONITOR L FFC/FPC (1-40)	
R6603	NRSA6AD-392W	MG RESISTOR	3.9kΩ 1/16W D		CN102	QGF0508F1-06X	CONNECTOR	FRONT FFC/FPC (1-6)	
R6604	NRSA6AD-114W	MG RESISTOR	110kΩ 1/16W D		CN104	QGA1002C1-08X	CONNECTOR	REAR W W-B (1-8)	
R6605	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J		CN105	QGB0801M1-30X	CONNECTOR	JIG CN B B-B (1-30)	
R6608	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J		CN106	QGA1001F1-04X	CONNECTOR	MIC W W-B (1-4)	
R6610	NRSA6AD-472W	MG RESISTOR	4.7kΩ 1/16W D		CN107	QGF0512C1-20X	CONNECTOR	CCD S FFC/FPC (1-20)	
R6611	NRSA6AD-823W	MG RESISTOR	82kΩ 1/16W D		CN108	QGF0512C1-24X	CONNECTOR	OP S FFC/FPC (1-24)	
R6612	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J		CN109	QGF0534F1-16X	CONNECTOR	OP UNIT L FFC/FPC (1-16)	
R6613	NRSA6AJ-823W	MG RESISTOR	82kΩ 1/16W J		CN110	QGF0508F1-40X	CONNECTOR	PREMDA L FFC/FPC (1-40)	
R6614	NRSA6AD-104W	MG RESISTOR	100kΩ 1/16W D		CN111	QGF0508F1-40X	CONNECTOR	PREMDA L FFC/FPC (1-40)	
R6615	NRSA6AD-104W	MG RESISTOR	100kΩ 1/16W D		CN112	QGF0512C1-12X	CONNECTOR	REAR FFC/FPC (1-12)	

MODEL	MARK	MODEL	MARK
GR-D225EK	A	GR-D225EY	C
GR-D225EX	B	GR-D225EZ	D

△ Symbol No.	Part No.	Part Name	Description	Local
△ F6001	NMFZ007-2R5X-K	FUSE	2.5A 24V	
△ F6301	NMFZ007-1R25X-K	FUSE	1.25A 32V	
△ F6801	NMFZ007-R50X-K	FUSE	0.5A 50V	
J501	NNZ0041-001X	D CONNECTOR	DV IEEE1394(4pin)	
X1001	NAX0630-001	CRYSTAL		
X1002	NAX0564-001X	CRYSTAL	32.768kHz	
X3002	NAX0480-001X	CRYSTAL	24.576MHz	
X5501	NAX0587-001X	CXO	54.0000MHz	
OT1	LY30030-0Y7A	SPACER(A)	SPACER	
OT2	LY30030-0Y3A	SPACER(A)		
OT3	LY44551-001B	SHEET(MA2)	MAIN	
OT4	LY44552-001A	BUSTERAID	MAIN	
WR1	WJT0122-001A	E-CARD WIRE	MAN-PRE/MD(x2)	

MONI-C BOARD ASSEMBLY <02>

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10453B	MONI-C BOARD ASSY		
IC7601	AN2540FHQ	IC		
IC7602	RC4558D-X	IC		
IC7604	SN74LV08APW-X	IC		
IC7606	MM1613AN-X	IC		
Q7601	2SC4617/QR/-X	TRANSISTOR		
Q7601	or 2SC4738/YG/-X	TRANSISTOR		
Q7601	or 2SD2216J/QR/-X	TRANSISTOR		
Q7601	or BC847BT-X	TRANSISTOR		
Q7602	2SA1774/QR/-X	TRANSISTOR		
Q7602	or 2SA1832/YG/-X	TRANSISTOR		
Q7602	or BC857BT-X	TRANSISTOR		
Q7602	or 2SB1462J/QR/-X	TRANSISTOR		
Q7603	2SC4617/QR/-X	TRANSISTOR		
Q7603	or 2SC4738/YG/-X	TRANSISTOR		
Q7603	or 2SD2216J/QR/-X	TRANSISTOR		
Q7603	or BC847BT-X	TRANSISTOR		
Q7604	2SA1774/QR/-X	TRANSISTOR		
Q7604	or 2SA1832/YG/-X	TRANSISTOR		
Q7604	or BC857BT-X	TRANSISTOR		
Q7604	or 2SB1462J/QR/-X	TRANSISTOR		
Q7605	DTC144EE-X	DIGI TRANSISTOR	KOPIN	
Q7605	or UN9213J-X	DIGI TRANSISTOR	KOPIN	
Q7605	or RN1104-X	DIGI TRANSISTOR	KOPIN	
Q7605	or BCR148T-X	DIGI TRANSISTOR	KOPIN	
Q7608	DTC144EE-X	DIGI TRANSISTOR		
Q7608	or UN9213J-X	DIGI TRANSISTOR		
Q7608	or RN1104-X	DIGI TRANSISTOR		
Q7608	or BCR148T-X	DIGI TRANSISTOR		
Q7609	DTC144EE-X	DIGI TRANSISTOR		
Q7609	or UN9213J-X	DIGI TRANSISTOR		
Q7609	or RN1104-X	DIGI TRANSISTOR		
Q7609	or BCR148T-X	DIGI TRANSISTOR		
Q7610	DTA144EE-X	DIGI TRANSISTOR		
Q7610	or UN9113J-X	DIGI TRANSISTOR		
Q7610	or RN2104-X	DIGI TRANSISTOR		
Q7610	or BCR198T-X	DIGI TRANSISTOR		
D7602	BAS16-03W-X	SI DIODE		
D7604	MA8068-X	Z DIODE		
C1	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7601	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7603	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7604	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7605	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7606	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7607	NCB41CK-106X	C CAPACITOR	10uF 16V K	
C7609	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7610	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7611	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7613	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7614	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C7616	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7618	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	

△ Symbol No.	Part No.	Part Name	Description	Local
C7619	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C7621	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7622	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7623	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C7624	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7625	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7627	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7628	NBP41EM-475X-B	TA E CAPACITOR	4.7uF 25V M	
C7629	NBP21CM-335X	TA E CAPACITOR	3.3uF 16V M	
C7630	NBP41EM-475X-B	TA E CAPACITOR	4.7uF 25V M	
C7632	NBP41EM-475X-B	TA E CAPACITOR	4.7uF 25V M	
C7634	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7637	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7639	NBP41CM-106X	TA E CAPACITOR	10uF 16V M	
C7642	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7653	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7654	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7655	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
R3	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R5	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7601	NRVA63D-622X	CMF RESISTOR	6.2kΩ 1/16W D	
R7602	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7604	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7608	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7609	NRVA63D-223X	CMF RESISTOR	22kΩ 1/16W D	
R7610	NRVA63D-433X	CMF RESISTOR	43kΩ 1/16W D	
R7611	NRVA63D-821X	CMF RESISTOR	820Ω 1/16W D	
R7612	NRVA63D-223X	CMF RESISTOR	22kΩ 1/16W D	
R7613	NRVA63D-223X	CMF RESISTOR	22kΩ 1/16W D	
R7614	NRVA63D-223X	CMF RESISTOR	22kΩ 1/16W D	
R7615	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7616	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7617	NRSA02J-330X	MG RESISTOR	33Ω 1/10W J	
R7618	NRSA02J-330X	MG RESISTOR	33Ω 1/10W J	
R7619	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R7621	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7630	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7634	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7636	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7637	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7638	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7639	NRSA63D-912X	MG RESISTOR	9.1kΩ 1/16W D	
R7640	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R7641	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R7642	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7645	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7647	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7648	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R7651	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7654	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	
R7655	NRSA63D-333X	MG RESISTOR	33kΩ 1/16W D	
R7663	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7665	NRSA63D-683X	MG RESISTOR	68kΩ 1/16W D	
R7666	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R7667	NRSA63D-561X	MG RESISTOR	560Ω 1/16W D	
L7601	NQL38DK-100X	P COIL	10uH K	
L7602	NQL38DK-100X	P COIL	10uH K	
L7603	NQL38DK-100X	P COIL	10uH K	
L7604	NQL38DK-100X	P COIL	10uH K	
L7605	NQL38DK-100X	P COIL	10uH K	
L7607	NQL38DK-100X	P COIL	10uH K	
CN761	QGF0508F1-40X	CONNECTOR	MAIN FFC/FPC (1-40)	
CN763	QGF0532F2-20X	CONNECTOR	2.5 FFC/FPC (1-20)	
CN765	QGF0506F2-32X	CONNECTOR	LCD BL FFC/FPC (1-32)	
J7601	QND0087-001	S JACK		
SW2	NSW0198-001X	TACT SWITCH	STOP	

MODEL	MARK	MODEL	MARK
GR-D225EK	A	GR-D225EY	C
GR-D225EX	B	GR-D225EZ	D

Symbol No.	Part No.	Part Name	Description	Local
SW3	NSW0198-001X	TACT SWITCH	REW	
SW4	NSW0198-001X	TACT SWITCH	FF	
SW5	NSW0198-001X	TACT SWITCH	PLAY/PAUSE	
SW7601	QSW0451-001	DETECT SW	2.5 OPN SW	
OT1	LY30030-0V7A	SPACER(A)	(x2)	
WR1	QUQ105-4007AA	FFC WIRE	MAIN-M.FFC 40pin 7cm	

BL2.5 BOARD ASSEMBLY <03>

Symbol No.	Part No.	Part Name	Description	Local
PW1	YB20964A	BL2.5 BOARD ASSY		
IC7504	DN8797MS-X	IC		
Q7501	2SD1664/QR/-W	TRANSISTOR		
Q7502	2SD1664/QR/-W	TRANSISTOR		
Q7503	DTA144EE-X	DIGI TRANSISTOR		
Q7503	or UN9113J-X	DIGI TRANSISTOR		
Q7503	or RN2104-X	DIGI TRANSISTOR		
Q7503	or BCR198T-X	DIGI TRANSISTOR		
Q7504	DTC144EE-X	DIGI TRANSISTOR		
Q7504	or UN9213J-X	DIGI TRANSISTOR		
Q7504	or RN1104-X	DIGI TRANSISTOR		
Q7504	or BCR148T-X	DIGI TRANSISTOR		
C7501	NCZ1016-120X	C CAPACITOR	12pF 2kV J	
C7502	NCB21EK-273X	C CAPACITOR	0.027uF 25V K	
C7503	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7504	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
R7501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7511	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7501	NQLZ010-680X	COIL	68uH	
T7501	NQS0056-001X	SW TARNSF		
CN7601	QGF0534F1-16X	CONNECTOR	FFC/FPC (1-16)	
CN7602	QGF0534F1-16X	CONNECTOR	FFC/FPC (1-16)	
CN7603	QGF0534F1-24X	CONNECTOR	FFC/FPC (1-24)	
F7501	NMFZ007-R40X-K	FUSE	0.4A 50V	
WR1	QAL0464-001	FPC		

CCD BOARD ASSEMBLY <04>

Symbol No.	Part No.	Part Name	Description	Local
PW1	YB20963B-01-SS	CCD BOARD ASSY		
Q5001	2SC3931/CD/-X	TRANSISTOR		
C5001	NBP41EM-475X-B	TA E CAPACITOR	4.7uF 25V M	
C5002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5003	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C5004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5006	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5007	NCB31EK-222X	C CAPACITOR	2200pF 25V K	
R5001	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R5002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L5001	NQL144K-100X	P COIL	10uH K	
L5002	NQL38DK-100X	P COIL	10uH K	

PREMDA BOARD ASSEMBLY <05>

Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10445A-02-MK	PREMDA BOARD ASSY		
IC1601	BD6637KV	IC	MDA 64PIN	
IC1701	BA10358FVM-W	IC	REELAMP5V	
IC1702	LM393DR-X	IC	REELSMT	
IC3501	JCY0132	IC		
IC3502	SN74AHC1G04K-X	IC		
IC3502	or SN74AHC1G04DC-X	IC(DIGITAL)		
Q1601	UMC3N-W	DIGI TRANSISTOR	LD ON	
Q1601	or XP03311-W	DIGI TRANSISTOR		
D1602	DAP222-X	DIODE ARRAY	LD OUT	
D1602	or MA132WA-X	SI DIODE		
D1603	DAP222-X	DIODE ARRAY	LD ON	
D1603	or MA132WA-X	SI DIODE		
D1604	DAP222-X	DIODE ARRAY	C.ERR-3V	
D1604	or MA132WA-X	SI DIODE		
C1601	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1602	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1603	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1606	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1607	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C1614	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C1618	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1619	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1620	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1621	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1622	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C1623	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C1624	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1625	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C1626	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1627	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1628	NCB21CK-224X	C CAPACITOR	0.22uF 16V K	
C1629	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	
C1630	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	
C1631	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1632	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
C1633	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
C1701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1702	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3501	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3502	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3503	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3504	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C3505	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C3506	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C3507	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3508	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3509	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3510	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3511	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3514	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C3515	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C3516	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C3517	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3518	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3519	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3520	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3522	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C3523	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3524	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3525	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C3526	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3527	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3528	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
R1601	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1602	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R1603	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	

MODEL	MARK	MODEL	MARK
GR-D225EK	A	GR-D225EY	C
GR-D225EX	B	GR-D225EZ	D

△ Symbol No.	Part No.	Part Name	Description	Local
R1604	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1610	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R1611	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R1612	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1614	NRZ0072-R330X	MG RESISTOR	0.33Ω 1/4W F	
R1616	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R1617	NRZ0072-R330X	MG RESISTOR	0.33Ω 1/4W F	
R1620	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R1621	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1624	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R1625	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D	
R1629	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	
R1630	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1631	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1635	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1636	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1637	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R1638	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1639	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R1640	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R1641	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1642	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1701	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1702	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1703	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1704	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1706	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1708	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R1709	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1710	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R1711	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1712	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3501	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3502	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3504	NRSA63D-241X	MG RESISTOR	240Ω 1/16W D	
R3505	NRSA63D-241X	MG RESISTOR	240Ω 1/16W D	
R3506	NRSA63D-241X	MG RESISTOR	240Ω 1/16W D	
R3507	NRSA63D-241X	MG RESISTOR	240Ω 1/16W D	
R3508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R3511	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
L3501	NQR0006-001X	FERRITE BEADS		
L3502	NQL402M-100X	COIL	10uH M	
L3503	NQR0006-001X	FERRITE BEADS		
L3504	NQR0006-001X	FERRITE BEADS		
L3505	NQR0006-001X	FERRITE BEADS		
CN401	QGF0508F1-40X	CONNECTOR	MAIN1(PRE) FFC/FPC (1-40)	
CN402	QGF0520F1-08X	CONNECTOR	HEAD FFC/FPC (1-8)	
CN403	QGF0505F2-06X	CONNECTOR	LOADING FFC/FPC (1-6)	
CN404	QGF0534F1-11X	CONNECTOR	DRUM FFC/FPC (1-11)	
CN405	QGF0534F1-18X	CONNECTOR	CAPSTAN FFC/FPC (1-18)	
CN406	QGF0505F2-16X	CONNECTOR	SENSOR FFC/FPC (1-16)	
CN407	QGF0508F1-06X	CONNECTOR	ROT E SW FFC/FPC (1-6)	
CN408	QGF0508F1-40X	CONNECTOR	MAIN2(MDA) FFC/FPC (1-40)	
△ F1601	NMFZ007-R20X-K	FUSE	1608 UNREG 0.2A 50V	
△ F1602	NMFZ007-R50X-K	FUSE	1608 REG3V 0.5A 50V	
SD1	LY33021-001A	SHIELD COVER(P/R)	PRE S-CASE	

FRONT BOARD ASSEMBLY <06>

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10446A-01	FRONT BOARD ASSY		
Q9001	BC847PN-X	PAIR TRANSISTOR		
Q9002	BC847PN-X	PAIR TRANSISTOR		
Q9003	2SC4617/RS/-X	TRANSISTOR	ON/OFF	
D9001	NSPW500BS/CRST/	LED	LIGHTLED	
D9002	NSPW500BS/CRST/	LED	LIGHTLED	

△ Symbol No.	Part No.	Part Name	Description	Local
R9001	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9002	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R9003	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R9004	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R9005	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R9006	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R9007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CN9001	QGF0508F1-06X	CONNECTOR	FFC/FPC (1-6)	
SW9001	NSW0225-001X	DETECT SWITCH		
HD1	LY33654-001A	HOLDER(LED)		
OT1	LY30031-003A	SPECIAL SCREW		
WR1	QUQ105-06X2AA	FFC WIRE	FRONT FFC 6pin 2.5cm	

C-VF BOARD ASSEMBLY <07>

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB20965A-01	C-VF BOARD ASSY		
Q7001	PUMX1-W	PAIR TRANSISTOR		
Q7001	or BC847S-X	PAIR TRANSISTOR		
D7001	E1S35AW0C501-X	LED		
C7004	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C7005	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
R7001	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7002	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R7003	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CN7001	QGF0532F2-18X	CONNECTOR	FFC/FPC (1-18)	
CN7002	QGF0507F3-20X	CONNECTOR	FFC/FPC (1-20)	