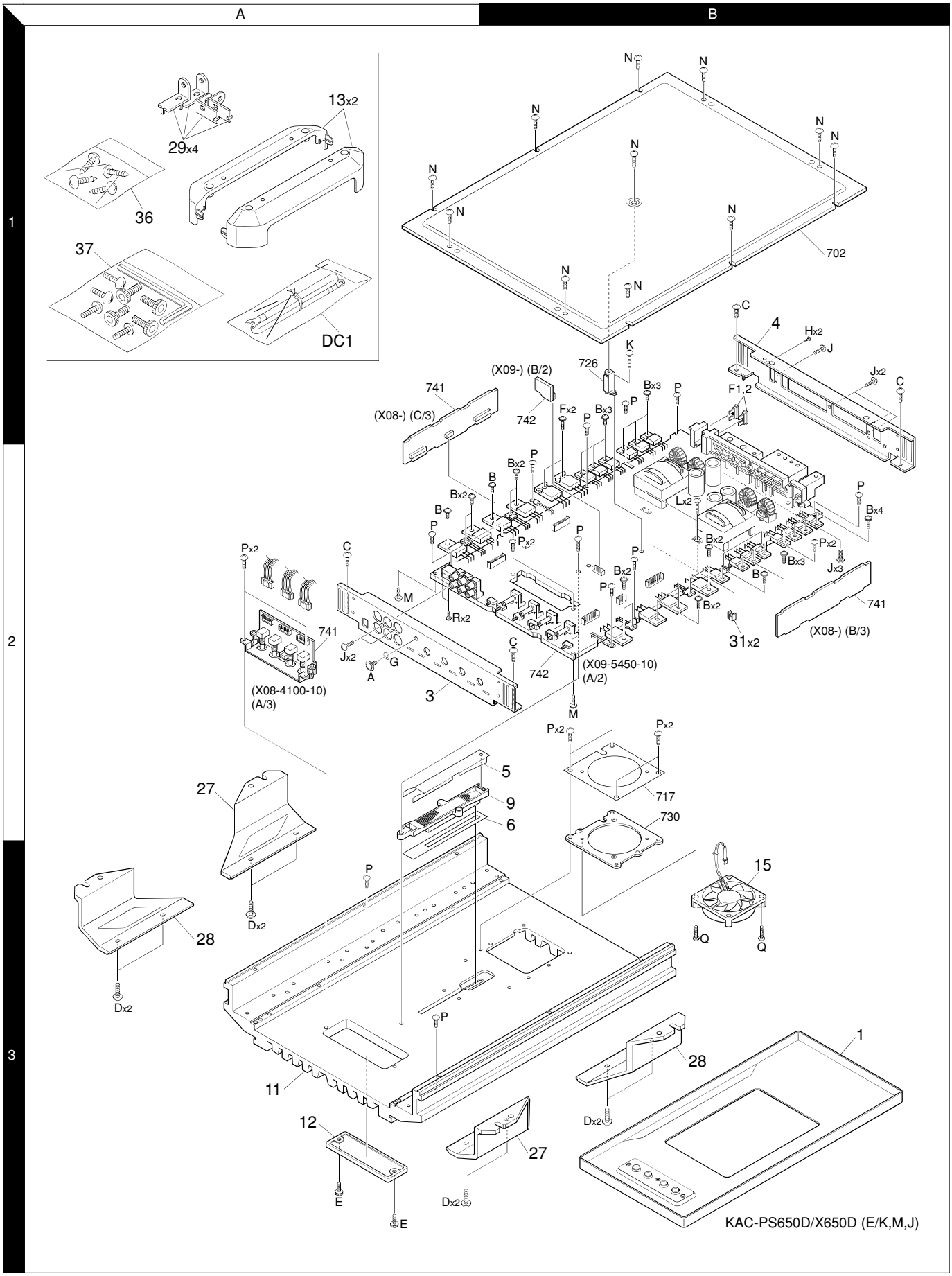
EXPLODED VIEW



Parts with exploded view numbers larger than 700 are not supplied.

KAC-PS650D/X650D

PARTS LIST

✻New Parts
Parts without **Part No.** are not supplied.

Ref. No.	Add	New	Parts No.	Description	Destination
KAC-PS650D/X650D					
1	3B	✻	A21-4188-02	DRESSING PANEL	KM1J1
1	3B	✻	A21-4189-02	DRESSING PANEL	E1
3	2A	✻	A64-2696-02	FRONT PANEL	
4	1B	✻	A84-0309-02	REAR PANEL	
5	2B	✻	B11-1388-04	REFLECTION SHEET	
6	2B	✻	B11-1389-04	REFLECTION SHEET	
9	2B	✻	B19-2143-03	LIGHTING BOARD	
-			B46-0100-50	WARRANTY CARD	KE1M1
-			B46-0648-03	USER CARD	K
-		✻	B64-2270-00	INST. MANUAL (ENG,FRE,SPA)	KE1
-		✻	B64-2271-00	INST. MANUAL (GER,DUT,ITA,POR)	E1
-		✻	B64-2272-00	INST. MANUAL (ENG,T-CHI)	M1
11	3A	✻	F01-1683-01	HEAT SINK	
12	3A	✻	F07-1109-04	COVER	
13	1A	✻	F07-1110-01	COVER	
15	3B	✻	F09-1751-15	FAN	
⚠ F1 ,2	1B		F52-0015-05	FUSE (BLADE TYPE) (30A)	
-		✻	H10-4805-02	POLYSTYRENE FOAMED FIXTURE	KE1M1
-		✻	H11-1529-04	POLYSTYRENE FOAMED BOARD	KE1M1
-		✻	H13-2022-04	CARTON BOARD	KE1M1
-			H21-1117-04	PROTECTION SHEET	KE1M1
-		✻	H21-1141-04	PROTECTION SHEET	KE1M1
-			H25-0336-04	PROTECTION BAG (170X250X0.03)	KE1M1
-		✻	H25-1179-04	PROTECTION BAG	KE1M1
-		✻	H54-2518-04	ITEM CARTON CASE (KAC-X650D)	KM1
-		✻	H54-2519-04	ITEM CARTON CASE (KAC-PS650D)	E1
27	2A	✻	J21-9853-03	MOUNTING HARDWARE	
28	3A	✻	J21-9854-03	MOUNTING HARDWARE	
29	1A	✻	J21-9864-04	MOUNTING HARDWARE	
31	2B		J30-1066-04	SPACER	
36	1A		N99-1577-15	SCREW SET	
A	2A		N09-4026-05	TAPPING SCREW (4X8,TP,S)	
B	1B		N09-4382-05	TAPTITE SCREW (2.6X10)	
C	1B		N09-4488-05	TAPTITE SCREW (3X6)	
D	3A	✻	N09-6032-05	DRESSED SCREW (TORX,4X12)	
E	3A	✻	N09-6033-05	DRESSED SCREW (M3X8)	
F	1B	✻	N09-6039-05	TAPTITE SCREW (2.6X13)	
G	2A		N15-1040-46	FLAT WASHER	
H	1B		N80-2008-45	PAN HEAD TAPTITE SCREW	
J	1B		N80-3010-45	PAN HEAD TAPTITE SCREW	
K	1B		N83-3013-45	PAN HEAD TAPTITE SCREW	
L	2B		N87-3012-46	BRAZIER HEAD TAPTITE SCREW	
M	2B		N89-2606-46	BINDING HEAD TAPTITE SCREW	
N	1B		N89-3006-45	BINDING HEAD TAPTITE SCREW	
P	1B		N89-3008-46	BINDING HEAD TAPTITE SCREW	
Q	3B		N89-3015-46	BINDING HEAD TAPTITE SCREW	
R	2A		N80-2608-45	PAN HEAD TAPTITE SCREW	
37	1A	✻	W01-1586-05	ACCESSORY	

E : Europe **K** : North America **M** : Other Areas
J : Japan

E1 : KAC-PS650D
KM1J1 : KAC-X650D

⚠ indicates safety critical components.

PREAMPLIFIER UNIT (X08-4100-10)

Ref. No.	Add	New	Parts No.	Description			Destination
C101,102			CE04DW1C100M	ELECTRO	10UF	16WV	
C103,104			CK73GB1H102K	CHIP C	1000PF	K	
C105,106			CF92FV1H472J	MF-C	4700PF	J	
C107,108			CE04DW1E470M	ELECTRO	47UF	25WV	
C109,110			CC45FSL1H020C	CERAMIC	2.0PF	C	
C111,112			CC45FSL1H101J	CERAMIC	100PF	J	
C113,114			CC45FSL1H121J	CERAMIC	120PF	J	
C119-122			CK73GB1H102K	CHIP C	1000PF	K	
C201,202			CE04DW1C100M	ELECTRO	10UF	16WV	
C203,204			CK73GB1H102K	CHIP C	1000PF	K	
C205,206			CF92FV1H472J	MF-C	4700PF	J	
C207,208			CE04DW1E470M	ELECTRO	47UF	25WV	
C209,210			CC45FSL1H020C	CERAMIC	2.0PF	C	
C211,212			CC45FSL1H101J	CERAMIC	100PF	J	
C213,214			CC45FSL1H121J	CERAMIC	120PF	J	
C219-222			CK73GB1H102K	CHIP C	1000PF	K	
CN1 ,2			E40-4457-05	SOCKET FOR PIN ASSY			
CN3 ,4		✻	E40-4453-05	SOCKET FOR PIN ASSY			
CN7 -9		✻	E41-0294-05	PIN ASSY			
CN11,12			E40-4457-05	SOCKET FOR PIN ASSY			
R101,102		✻	RK73FB2B473J	CHIP R	47K	J 1/8W	
R103,104		✻	RK73FB2B682J	CHIP R	6.8K	J 1/8W	
R105-108			RK73FB2B102J	CHIP R	1.0K	J 1/8W	
R109,110			RK73FB2B101J	CHIP R	100	J 1/8W	
R111,112			RK73FB2B102J	CHIP R	1.0K	J 1/8W	
R113,114		✻	RK73FB2B473J	CHIP R	47K	J 1/8W	
R115-118		✻	RK73FB2B151J	CHIP R	150	J 1/8W	
R119-122		✻	RD14NB2E432J	RD	4.3K	J 1/4W	
R123,124		✻	RK73FB2B151J	CHIP R	150	J 1/8W	
R125-128			RD14NB2E101J	RD	100	J 1/4W	
R129-132			RK73FB2B102J	CHIP R	1.0K	J 1/8W	
R133-136			RK73FB2B152J	CHIP R	1.5K	J 1/8W	
R137,138			RD14NB2E221J	RD	220	J 1/4W	
R151,152			RK73FB2B391J	CHIP R	390	J 1/8W	
R201,202		✻	RK73FB2B473J	CHIP R	47K	J 1/8W	
R203,204		✻	RK73FB2B682J	CHIP R	6.8K	J 1/8W	
R205-208			RK73FB2B102J	CHIP R	1.0K	J 1/8W	
R209,210			RK73FB2B101J	CHIP R	100	J 1/8W	
R211,212			RK73FB2B102J	CHIP R	1.0K	J 1/8W	
R213,214		✻	RK73FB2B473J	CHIP R	47K	J 1/8W	
R215-218		✻	RK73FB2B151J	CHIP R	150	J 1/8W	
R219-222		✻	RD14NB2E432J	RD	4.3K	J 1/4W	
R223,224		✻	RK73FB2B151J	CHIP R	150	J 1/8W	

PARTS LIST

✻New Parts
Parts without **Part No.** are not supplied.

Ref. No.	Add	New	Parts No.	Description				Destination
R225-228			RD14NB2E101J	RD	100	J	1/4W	
R229-232			RK73FB2B102J	CHIP R	1.0K	J	1/8W	
R233-236			RK73FB2B152J	CHIP R	1.5K	J	1/8W	
R237,238			RD14NB2E221J	RD	220	J	1/4W	
R251,252			RK73FB2B391J	CHIP R	390	J	1/8W	
R351			RK73FB2B391J	CHIP R	390	J	1/8W	
VR1 -3		✻	R31-0234-05	VARIABLE RESISTOR				
VR4		✻	R31-0236-05	VARIABLE RESISTOR				
W51 -59			R92-2052-05	CHIP R	0 OHM	J	1/10W	
W61 -69			R92-2052-05	CHIP R	0 OHM	J	1/10W	
S1			S68-0806-05	PUSH SWITCH				
D1 ,2			DAN202U	DIODE				
D1 ,2			MA142WK	DIODE				
D11 ,12			DAN202U	DIODE				
D11 ,12			MA142WK	DIODE				
D101,102			DAN202U	DIODE				
D101,102			MA142WK	DIODE				
D103,104			DAP202U	DIODE				
D103,104			MA142WA	DIODE				
D105,106			DAN202U	DIODE				
D105,106			MA142WK	DIODE				
D201,202			DAN202U	DIODE				
D201,202			MA142WK	DIODE				
D203,204			DAP202U	DIODE				
D203,204			MA142WA	DIODE				
D205,206			DAN202U	DIODE				
D205,206			MA142WK	DIODE				
Q101-104			2SA992(F,E)	TRANSISTOR				
Q105-108			2SC2631(Q,R)	TRANSISTOR				
Q109,110			2SA1123(Q,R)	TRANSISTOR				
Q111,112			2SC2235	TRANSISTOR				
Q113,114			2SA965	TRANSISTOR				
Q115,116			2SC1845(F,E)	TRANSISTOR				
Q117,118			2SA992(F,E)	TRANSISTOR				
Q201-204			2SA992(F,E)	TRANSISTOR				
Q205-208			2SC2631(Q,R)	TRANSISTOR				
Q209,210			2SA1123(Q,R)	TRANSISTOR				
Q211,212			2SC2235	TRANSISTOR				
Q213,214			2SA965	TRANSISTOR				
Q215,216			2SC1845(F,E)	TRANSISTOR				
Q217,218			2SA992(F,E)	TRANSISTOR				
AUDIO UNIT (X09-5450-10)								
D100			B30-1582-05	LED				
C6 ,7			CE04DW1H221M	ELECTRO	220UF		50WV	
C15 ,16			CK73GB1H103K	CHIP C	0.010UF		K	
C17 ,18			CE04DW1E470M	ELECTRO	47UF		25WV	
C19 ,20			CE04DW1C100M	ELECTRO	10UF		16WV	
C21 ,22			CK73GB1H103K	CHIP C	0.010UF		K	
C100			CF92FV1H102J	MF-C	1000PF		J	
C101,102			CK73GB1H561K	CHIP C	560PF		K	
C103,104			CE04DW1C100M	ELECTRO	10UF		16WV	
C105-108			CC73GCH1H150J	CHIP C	15PF		J	
C109,110			CE04DW1C100M	ELECTRO	10UF		16WV	

Ref. No.	Add	New	Parts No.	Description				Destination
C111,112			CK73GB1C104K	CHIP C	0.10UF		K	
C113,114			CK73FB1C224K	CHIP C	0.22UF		K	
C115,116			CE04DW1C100M	ELECTRO	10UF		16WV	
C120			CC73GCH1H331J	CHIP C	330PF		J	
C128			CC73GCH1H470J	CHIP C	47PF		J	
C130			CE04DW1C100M	ELECTRO	10UF		16WV	
C131-134			CC73GCH1H150J	CHIP C	15PF		J	
C140			CK73GB1H102K	CHIP C	1000PF		K	
C151,152			CE04DW1C100M	ELECTRO	10UF		16WV	
C197,198			CF92FV1H473J	MF-C	0.047UF		J	
C200			CF92FV1H102J	MF-C	1000PF		J	
C201,202			CK73GB1H561K	CHIP C	560PF		K	
C203,204			CE04DW1C100M	ELECTRO	10UF		16WV	
C205-208			CC73GCH1H150J	CHIP C	15PF		J	
C209,210			CE04DW1C100M	ELECTRO	10UF		16WV	
C211,212			CK73GB1C104K	CHIP C	0.10UF		K	
C213,214			CK73FB1C224K	CHIP C	0.22UF		K	
C215,216			CE04DW1C100M	ELECTRO	10UF		16WV	
C217			CK73GB1C104K	CHIP C	0.10UF		K	
C218			CK73FB1C154K	CHIP C	0.15UF		K	
C219			CK73GB1E223K	CHIP C	0.022UF		K	
C220			CK73GB1C104K	CHIP C	0.10UF		K	
C221			CK73FB1C154K	CHIP C	0.15UF		K	
C223			CK73GB1E333K	CHIP C	0.033UF		K	
C224			CE04DW1C100M	ELECTRO	10UF		16WV	
C228			CC73GCH1H470J	CHIP C	47PF		J	
C230			CE04DW1C100M	ELECTRO	10UF		16WV	
C231-234			CC73GCH1H150J	CHIP C	15PF		J	
C240			CK73GB1H102K	CHIP C	1000PF		K	
C251,252			CE04DW1C100M	ELECTRO	10UF		16WV	
C297,298			CF92FV1H473J	MF-C	0.047UF		J	
C300			CF92FV1H102J	MF-C	1000PF		J	
C301			CK73GB1H102K	CHIP C	1000PF		K	
C302			CE04DW1C100M	ELECTRO	10UF		16WV	
C303,304			CC73GCH1H150J	CHIP C	15PF		J	
C305			CE04DW1C100M	ELECTRO	10UF		16WV	
C306			CK73FB1C474K	CHIP C	0.47UF		K	
C307,308			CK73GB1H103K	CHIP C	0.010UF		K	
C310			CE04HW1H2R2M	NP-ELEC	2.2UF		50WV	
C311			CC73GCH1H101J	CHIP C	100PF		J	
C312			CK73GB1C683K	CHIP C	0.068UF		K	
C313			CK73FB1C154K	CHIP C	0.15UF		K	
C314			CK73GB1E223K	CHIP C	0.022UF		K	
C315			CK73GB1C683K	CHIP C	0.068UF		K	
C316			CK73FB1C154K	CHIP C	0.15UF		K	
C317			CK73GB1E333K	CHIP C	0.033UF		K	
C319-322			CK73FB1C224K	CHIP C	0.22UF		K	
C323			CE04DW1C100M	ELECTRO	10UF		16WV	
C324,325			CC73GCH1H470J	CHIP C	47PF		J	
C326			CE04DW1C100M	ELECTRO	10UF		16WV	
C328			CE04HW1H3R3M	NP-ELEC	3.3UF		50WV	
C329,330			CK73GB1H103K	CHIP C	0.010UF		K	
C331			CE04DW1C100M	ELECTRO	10UF		16WV	
C340			CK73GB1H102K	CHIP C	1000PF		K	
C352			CK73GB1C104K	CHIP C	0.10UF		K	

E : Europe **K** : North America **M** : Other Areas
J : Japan

E1 : KAC-PS650D
KM1J1 : KAC-X650D

⚠ indicates safety critical components.

KAC-PS650D/X650D

PARTS LIST

✻New Parts
Parts without **Part No.** are not supplied.

Ref. No.	Add	New	Parts No.	Description			Destination
C353			CE04DW1E470M	ELECTRO	47UF	25WV	
C354			CC73GCH1H470J	CHIP C	47PF	J	
C356			CK73GB1H182K	CHIP C	1800PF	K	
C357			CK73GB1H103K	CHIP C	0.010UF	K	
C358,359			CC73GCH1H680J	CHIP C	68PF	J	
C361			CK73GB1H103K	CHIP C	0.010UF	K	
C362,363			CF92FV1H224J	MF-C	0.22UF	J	
C364,365			CF92FV1H682J	MF-C	6800PF	J	
C368,369			C90-5452-05	ALMINIUM	ELECTROLYTI	C.	
C370			CF92FV1H824J	MF-C	0.82UF	J	
C371			CF92FV1H682J	MF-C	6800PF	J	
C372,373			CF92FV1H824J	MF-C	0.82UF	J	
C374			CF92FV1H224J	MF-C	0.22UF	J	
C375			CK73GB1H103K	CHIP C	0.010UF	K	
C401,402			CK73GB1H103K	CHIP C	0.010UF	K	
C403-406			CE04DW1E470M	ELECTRO	47UF	25WV	
C407,408			C90-2923-05	ELECTRO	820UF	50WV	
C409,410			CF92FV1H222J	MF-C	2200PF	J	
C411,412			C90-5372-05	ELECTRO	4700UF	35WV	
C413,414			CF92FV1H152J	MF-C	1500PF	J	
C415,416			C90-5371-05	ELECTRO	4700UF	50WV	
C417,418			CF92FV1H152J	MF-C	1500PF	J	
C419-422			C90-2921-05	ELECTRO	3900UF	16WV	
C423			CK73GB1H102K	CHIP C	1000PF	K	
C424			CE04DW1C101M	ELECTRO	100UF	16WV	
C425,426			CE04DW1C100M	ELECTRO	10UF	16WV	
C427			CE04DW1H010M	ELECTRO	1.0UF	50WV	
C428			CE04DW1E470M	ELECTRO	47UF	25WV	
C429			CE04DW1C100M	ELECTRO	10UF	16WV	
C430			CK73GB1H103K	CHIP C	0.010UF	K	
C431			CK73FB1C224K	CHIP C	0.22UF	K	
C432			CE04DW1A101M	ELECTRO	100UF	10WV	
C433,434			CK73FB1C224K	CHIP C	0.22UF	K	
C436			CE04DW1C100M	ELECTRO	10UF	16WV	
C437			CE04DW1A221M	ELECTRO	220UF	10WV	
C438			CE04DW1A101M	ELECTRO	100UF	10WV	
C439			CK73GB1H103K	CHIP C	0.010UF	K	
C440			CE04DW1H010M	ELECTRO	1.0UF	50WV	
C441-444			CK73GB1H103K	CHIP C	0.010UF	K	
C445			CE04DW1H100M	ELECTRO	10UF	50WV	
C446			CE04DW1V471M	ELECTRO	470UF	35WV	
C447			CE04DW1E470M	ELECTRO	47UF	25WV	
C448			CK73GB1H103K	CHIP C	0.010UF	K	
C450			CE04DW1A221M	ELECTRO	220UF	10WV	
C454			CE04DW1C100M	ELECTRO	10UF	16WV	
C457			CE04DW1E470M	ELECTRO	47UF	25WV	
C458			CC73GCH1H221J	CHIP C	220PF	J	
C459-461			C91-0769-05	CERAMIC	0.010UF	K	
C462,463			CF92FV1H153J	MF-C	0.015UF	J	
C464			CE04DW1E470M	ELECTRO	47UF	25WV	
C465			CK73GB1C104K	CHIP C	0.10UF	K	
C466			CK73GB1H103K	CHIP C	0.010UF	K	
CN1 ,2		✻	E40-4444-05	PIN ASSY			
CN3 ,4		✻	E40-4440-05	PIN ASSY			

Ref. No.	Add	New	Parts No.	Description			Destination
CN5			E40-9073-05	PIN ASSY			
CN6			E40-9092-05	SOCKET FOR PIN ASSY			
CN10			E40-3246-05	PIN ASSY			
CN11,12		✻	E40-4444-05	PIN ASSY			
⚠ J1			E70-0833-05	SCREW TERMINAL BOARD			
J3		✻	E70-0836-05	LOCK TERMINAL BOARD			
J4			E63-0874-05	PIN JACK			
J5		✻	E70-0837-05	SCREW TERMINAL BOARD			
P1 ,2			E23-0149-05	TERMINAL			
WH1 -3		✻	E39-0445-15	WIRING HARNESS			
⚠ CN9			J13-0602-05	FUSE HOLDER			
L1		✻	L19-0713-15	TRANSFORMER FOR CONVERTER			
L2		✻	L19-0714-05	TRANSFORMER FOR CONVERTER			
L3 -6			L33-1809-05	CHOKE COIL			
L301,302		✻	L33-1851-05	CHOKE COIL			
X1		✻	L78-0867-05	RESONATOR			
R1 -5			RK73GB2A152J	CHIP R	1.5K	J 1/10W	
R6 ,7			RD14DB2H100J	SMALL-RD	10	J 1/2W	
R8 ,9			RD14BB2C122J	RD	1.2K	J 1/6W	
R10			RD14BB2C102J	RD	1.0K	J 1/6W	
R15 ,16			RD14NB2E151J	RD	150	J 1/4W	
R21 -76			RD14BB2E100J	RD	10	J 1/4W	
R100-102			RD14BB2C102J	RD	1.0K	J 1/6W	
R103-108			RK73GB2A103J	CHIP R	10K	J 1/10W	
R109-116			R92-3040-05	CHIP R	10K	D 1/10W	
R117,118			RK73GB2A473J	CHIP R	47K	J 1/10W	
R119,120			RK73GB2A393J	CHIP R	39K	J 1/10W	
R121,122			RK73GB2A822J	CHIP R	8.2K	J 1/10W	
R123,124			RK73GB2A912J	CHIP R	9.1K	J 1/10W	
R125,126			RK73GB2A563J	CHIP R	56K	J 1/10W	
R127,128			RK73GB2A473J	CHIP R	47K	J 1/10W	
R129,130		✻	RK73GB2A330J	CHIP R	33	J 1/10W	
R146			RK73GB2A103J	CHIP R	10K	J 1/10W	
R148			RK73GB2A103J	CHIP R	10K	J 1/10W	
R151,152			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R169-172			RD14NB2E4R7J	RD	4.7	J 1/4W	
R173-176			R92-0205-05	METAL-PLATE	0.1	K 2W	
R179,180		✻	RK73GB2A511J	CHIP R	510	J 1/10W	
R181,182			RK73GB2A473J	CHIP R	47K	J 1/10W	
R183,184			RK73GB2A182J	CHIP R	1.8K	J 1/10W	
R185,186			RD14DB2H100J	SMALL-RD	10	J 1/2W	
R200-202			RD14BB2C102J	RD	1.0K	J 1/6W	
R203-208			RK73GB2A103J	CHIP R	10K	J 1/10W	
R209-216			R92-3040-05	CHIP R	10K	D 1/10W	
R217,218			RK73GB2A473J	CHIP R	47K	J 1/10W	
R219,220			RK73GB2A393J	CHIP R	39K	J 1/10W	
R221,222			RK73GB2A822J	CHIP R	8.2K	J 1/10W	
R223,224			RK73GB2A912J	CHIP R	9.1K	J 1/10W	
R225,226			RK73GB2A563J	CHIP R	56K	J 1/10W	
R227,228			RK73GB2A473J	CHIP R	47K	J 1/10W	
R229,230		✻	RK73GB2A330J	CHIP R	33	J 1/10W	
R231-233			RK73GB2A153J	CHIP R	15K	J 1/10W	
R234			RK73GB2A332J	CHIP R	3.3K	J 1/10W	
R235			RK73GB2A222J	CHIP R	2.2K	J 1/10W	

E1 : KAC-PS650D
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PARTS LIST

✻New Parts
Parts without **Part No.** are not supplied.

Ref. No.	Add	New	Parts No.	Description				Destination
R236			RK73GB2A473J	CHIP R	47K	J	1/10W	
R237			RK73GB2A752J	CHIP R	7.5K	J	1/10W	
R238			RK73GB2A123J	CHIP R	12K	J	1/10W	
R239			RK73GB2A103J	CHIP R	10K	J	1/10W	
R240			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R241			RK73GB2A224J	CHIP R	220K	J	1/10W	
R242			RK73GB2A473J	CHIP R	47K	J	1/10W	
R246			RK73GB2A103J	CHIP R	10K	J	1/10W	
R248			RK73GB2A103J	CHIP R	10K	J	1/10W	
R251,252			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R269-272			RD14NB2E4R7J	RD	4.7	J	1/4W	
R273-276			R92-0205-05	METAL-PLATE	0.1	K	2W	
R279,280		✻	RK73GB2A511J	CHIP R	510	J	1/10W	
R281,282			RK73GB2A473J	CHIP R	47K	J	1/10W	
R283,284			RK73GB2A182J	CHIP R	1.8K	J	1/10W	
R285,286			RD14DB2H100J	SMALL-RD	10	J	1/2W	
R300			RD14BB2C102J	RD	1.0K	J	1/6W	
R301,302			RD14BB2C222J	RD	2.2K	J	1/6W	
R303-305			RK73GB2A103J	CHIP R	10K	J	1/10W	
R306-309			R92-3040-05	CHIP R	10K	D	1/10W	
R310			RK73GB2A473J	CHIP R	47K	J	1/10W	
R311			RK73GB2A100J	CHIP R	10	J	1/10W	
R312-314			RK73GB2A103J	CHIP R	10K	J	1/10W	
R315			RK73GB2A473J	CHIP R	47K	J	1/10W	
R316			RK73GB2A113J	CHIP R	11K	J	1/10W	
R317			RK73GB2A221J	CHIP R	220	J	1/10W	
R318		✻	RK73GB2A914J	CHIP R	910K	J	1/10W	
R321			RK73GB2A224J	CHIP R	220K	J	1/10W	
R322		✻	RK73GB2A150J	CHIP R	15	J	1/10W	
R323			RK73GB2A471J	CHIP R	470	J	1/10W	
R324			RK73GB2A432J	CHIP R	4.3K	J	1/10W	
R325		✻	RK73GB2A202J	CHIP R	2.0K	J	1/10W	
R326,327			RK73GB2A101J	CHIP R	100	J	1/10W	
R328			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R329			RK73GB2A392J	CHIP R	3.9K	J	1/10W	
R330			RK73GB2A562J	CHIP R	5.6K	J	1/10W	
R331			RK73GB2A153J	CHIP R	15K	J	1/10W	
R332			RK73GB2A332J	CHIP R	3.3K	J	1/10W	
R333			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R335			RK73GB2A153J	CHIP R	15K	J	1/10W	
R336			RK73GB2A123J	CHIP R	12K	J	1/10W	
R337			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R340			RK73GB2A433J	CHIP R	43K	J	1/10W	
R341			RK73GB2A513J	CHIP R	51K	J	1/10W	
R342			RK73GB2A183J	CHIP R	18K	J	1/10W	
R343			RK73GB2A124J	CHIP R	120K	J	1/10W	
R344			RK73GB2A153J	CHIP R	15K	J	1/10W	
R345			RK73GB2A103J	CHIP R	10K	J	1/10W	
R346			RK73GB2A153J	CHIP R	15K	J	1/10W	
R351			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R353			RK73GB2A104J	CHIP R	100K	J	1/10W	
R354-356			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R357			RK73GB2A684J	CHIP R	680K	J	1/10W	
R358			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R359			RK73GB2A152J	CHIP R	1.5K	J	1/10W	

Ref. No.	Add	New	Parts No.	Description				Destination
R360			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R361			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R362			RK73GB2A302J	CHIP R	3.0K	J	1/10W	
R363			RK73GB2A103J	CHIP R	10K	J	1/10W	
R364			RK73GB2A152J	CHIP R	1.5K	J	1/10W	
R365			RK73GB2A821J	CHIP R	820	J	1/10W	
R366			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R367			RK73GB2A103J	CHIP R	10K	J	1/10W	
R368,369			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R370,371			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R372		✻	RD14DB2H751J	SMALL-RD	750	J	1/2W	
R373,374		✻	RD14DB2H511J	SMALL-RD	510	J	1/2W	
R375			RK73GB2A623J	CHIP R	62K	J	1/10W	
R376			RD14BB2C333J	RD	33K	J	1/6W	
R377		✻	RD14DB2H751J	SMALL-RD	750	J	1/2W	
R378			RD14DB2H100J	SMALL-RD	10	J	1/2W	
R379			RD14DB2H681J	SMALL-RD	680	J	1/2W	
R380			RD14DB2H821J	SMALL-RD	820	J	1/2W	
R382			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R383			RK73GB2A152J	CHIP R	1.5K	J	1/10W	
R384			RK73GB2A473J	CHIP R	47K	J	1/10W	
R385			RK73GB2A332J	CHIP R	3.3K	J	1/10W	
R388			RD14DB2H100J	SMALL-RD	10	J	1/2W	
R389			RD14BB2C121J	RD	120	J	1/6W	
R390			RD14BB2C151J	RD	150	J	1/6W	
R391,392			RK73GB2A470J	CHIP R	47	J	1/10W	
R393			RD14DB2H332J	SMALL-RD	3.3K	J	1/2W	
R394,395			R92-0205-05	METAL-PLATE	0.1	K	2W	
R396			RD14DB2H180J	SMALL-RD	18	J	1/2W	
R397,398			R92-0205-05	METAL-PLATE	0.1	K	2W	
R399,400			RK73GB2A473J	CHIP R	47K	J	1/10W	
R401,402			RD14NB2E100J	RD	10	J	1/4W	
R403,404			RD14BB2C332J	RD	3.3K	J	1/6W	
R405-410			RD14DB2H100J	SMALL-RD	10	J	1/2W	
R411,412			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R413,414			RK73GB2A101J	CHIP R	100	J	1/10W	
R415,416			RK73GB2A100J	CHIP R	10	J	1/10W	
R417,418			RK73GB2A152J	CHIP R	1.5K	J	1/10W	
R419			RK73GB2A471J	CHIP R	470	J	1/10W	
R420		✻	RK73GB2A163J	CHIP R	16K	J	1/10W	
R421,422			RK73GB2A103J	CHIP R	10K	J	1/10W	
R423			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R424			RK73GB2A223J	CHIP R	22K	J	1/10W	
R425-428			RD14DB2H121J	SMALL-RD	120	J	1/2W	
R431			RK73GB2A473J	CHIP R	47K	J	1/10W	
R432			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R433			RK73GB2A103J	CHIP R	10K	J	1/10W	
R434,435			RK73GB2A332J	CHIP R	3.3K	J	1/10W	
R436			RK73GB2A751J	CHIP R	750	J	1/10W	
R437			RK73GB2A332J	CHIP R	3.3K	J	1/10W	
R438,439			RK73GB2A473J	CHIP R	47K	J	1/10W	
R440			RK73GB2A332J	CHIP R	3.3K	J	1/10W	
R441			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R442		✻	RK73GB2A273J	CHIP R	27K	J	1/10W	
R443			RK73GB2A104J	CHIP R	100K	J	1/10W	

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KAC-PS650D/X650D

PARTS LIST

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Ref. No.	Add	New	Parts No.	Description				Destination
R444			RK73GB2A103J	CHIP R	10K	J	1/10W	
R445			RD14DB2H100J	SMALL-RD	10	J	1/2W	
R446			RK73GB2A101J	CHIP R	100	J	1/10W	
R447			RK73GB2A104J	CHIP R	100K	J	1/10W	
R448			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R449			RK73GB2A104J	CHIP R	100K	J	1/10W	
R450			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R451-456			RK73GB2A103J	CHIP R	10K	J	1/10W	
R457,458			RK73GB2A682J	CHIP R	6.8K	J	1/10W	
R459			RK73GB2A473J	CHIP R	47K	J	1/10W	
R460			RD14DB2H100J	SMALL-RD	10	J	1/2W	
R461			RK73GB2A103J	CHIP R	10K	J	1/10W	
R462			RK73GB2A104J	CHIP R	100K	J	1/10W	
R463			RK73GB2A223J	CHIP R	22K	J	1/10W	
R464			RK73GB2A822J	CHIP R	8.2K	J	1/10W	
R465			RK73GB2A103J	CHIP R	10K	J	1/10W	
R466			RK73GB2A271J	CHIP R	270	J	1/10W	
R467		✻	RK73GB2A561J	CHIP R	560	J	1/10W	
R468			RK73GB2A221J	CHIP R	220	J	1/10W	
R469-471			RK73GB2A104J	CHIP R	100K	J	1/10W	
R472-474			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R475			RK73GB2A473J	CHIP R	47K	J	1/10W	
R476			RK73GB2A104J	CHIP R	100K	J	1/10W	
R477-484			RK73GB2A103J	CHIP R	10K	J	1/10W	
R485-487			RK73GB2A104J	CHIP R	100K	J	1/10W	
R488			RK73GB2A223J	CHIP R	22K	J	1/10W	
R489			RK73GB2A331J	CHIP R	330	J	1/10W	
R490			RK73GB2A153J	CHIP R	15K	J	1/10W	
R491			RK73GB2A473J	CHIP R	47K	J	1/10W	
R492			RD14DB2H100J	SMALL-RD	10	J	1/2W	
R493			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R494			RK73GB2A223J	CHIP R	22K	J	1/10W	
R495			RK73GB2A103J	CHIP R	10K	J	1/10W	
R496			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R497			RK73GB2A473J	CHIP R	47K	J	1/10W	
R498			RK73GB2A392J	CHIP R	3.9K	J	1/10W	
R499,500			RK73GB2A332J	CHIP R	3.3K	J	1/10W	
R501			RK73GB2A684J	CHIP R	680K	J	1/10W	
R502			RK73GB2A332J	CHIP R	3.3K	J	1/10W	
R503			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R504			RD14BB2C183J	RD	18K	J	1/6W	
R505			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R506			RK73GB2A332J	CHIP R	3.3K	J	1/10W	
R507			RK73GB2A122J	CHIP R	1.2K	J	1/10W	
R508			RD14BB2E472J	RD	4.7K	J	1/4W	
R509			RD14BB2C183J	RD	18K	J	1/6W	
R510		✻	RK73GB2A242J	CHIP R	2.4K	J	1/10W	
R511			RD14BB2C183J	RD	18K	J	1/6W	
R512			RK73GB2A103J	CHIP R	10K	J	1/10W	
R513,514			RK73GB2A470J	CHIP R	47	J	1/10W	
R515			RD14BB2C183J	RD	18K	J	1/6W	
R516,517			RK73GB2A103J	CHIP R	10K	J	1/10W	
R518			RD14BB2C183J	RD	18K	J	1/6W	
R519			RK73GB2A103J	CHIP R	10K	J	1/10W	
R520			RK73GB2A223J	CHIP R	22K	J	1/10W	

Ref. No.	Add	New	Parts No.	Description				Destination
VR1 -4			R31-0215-05	VARIABLE RESISTOR				
VR5 -8			R32-0030-05	SEMI FIXED VARIABLE RESISTOR				
W100			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W200			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W300			R92-1252-05	CHIP R	0 OHM	J	1/16W	
R429,430			RK73GB2A100J	CHIP R	10	J	1/10W	
S1 -4			S62-0842-05	SLIDE SWITCH				
S5 ,6			S31-2630-05	SLIDE SWITCH				
D1			DAP202U	DIODE				
D1			MA142WA	DIODE				
D3			DAP202U	DIODE				
D3			MA142WA	DIODE				
D5			DAN202U	DIODE				
D5			MA142WK	DIODE				
D6 ,7			RD10JS(B)	ZENER DIODE				
D8 ,9			MA3082-M	ZENER DIODE				
D10			RD5.1JS(B)	ZENER DIODE				
D101			DAN202U	DIODE				
D101			MA142WK	DIODE				
D102,103			DAP202U	DIODE				
D102,103			MA142WA	DIODE				
D104			DAN202U	DIODE				
D104			MA142WK	DIODE				
D140			MA3068WA	ZENER DIODE				
D151,152			DAN202U	DIODE				
D151,152			MA142WK	DIODE				
D153,154			DAP202U	DIODE				
D153,154			MA142WA	DIODE				
D201			DAN202U	DIODE				
D201			MA142WK	DIODE				
D202,203			DAP202U	DIODE				
D202,203			MA142WA	DIODE				
D204			DAN202U	DIODE				
D204			MA142WK	DIODE				
D240			MA3068WA	ZENER DIODE				
D301			DAN202U	DIODE				
D301			MA142WK	DIODE				
D302			DAP202U	DIODE				
D302			MA142WA	DIODE				
D303			DAN202U	DIODE				
D303			MA142WK	DIODE				
D304,305			DAP202U	DIODE				
D304,305			MA142WA	DIODE				
D306			DAN202U	DIODE				
D306			MA142WK	DIODE				
D309			MA3051-M	ZENER DIODE				
D310-313			DAN202U	DIODE				
D310-313			MA142WK	DIODE				
D340			MA3068WA	ZENER DIODE				
D401			RD16JS(B)	ZENER DIODE				
D402			1SS133	DIODE				
D403-406			FR103S	DIODE				
D407			FML22S*A	DIODE				

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PARTS LIST

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Ref. No.	Add	New	Parts No.	Description	Destination
D408			FML22R✻A	DIODE	
D409			FML22S✻A	DIODE	
D410			FML22R✻A	DIODE	
D411,412			1SS133	DIODE	
D413		✻	6A20-M	DIODE	
D414		✻	FR103S	DIODE	
D415			MA3062-M	ZENER DIODE	
D416			MA3100-M	ZENER DIODE	
D417			MA3075-M	ZENER DIODE	
D418			RD15JS(B)	ZENER DIODE	
D419			DA204U	DIODE	
D423			MA3051-M	ZENER DIODE	
D424			DAN202U	DIODE	
D424			MA142WK	DIODE	
D425			RD16JS(B)	ZENER DIODE	
D426-429		✻	FR103S	DIODE	
D431			DAN202U	DIODE	
D431			MA142WK	DIODE	
D432			RD16JS(B)	ZENER DIODE	
D434			MA3051-M	ZENER DIODE	
D435			DAN202U	DIODE	
D435			MA142WK	DIODE	
IC1 -6			NJM2060M	ANALOGUE IC	
IC7			NJM5532MD	IC(OP AMP)	
IC8			TC4052BF(N)	MOS-IC	
IC9			TC4W66F	IC	
IC10			NJM5532MD	IC(OP AMP)	
IC11		✻	NJM319D	ANALOGUE IC	
IC12,13			TC74HC00AF	IC(2INPUT NAND GATE)	
IC21			UPC494GS	ANALOGUE IC	
IC22		✻	TMP87C847U3JV4	MI-COM IC	
IC23			PST9130NR	ANALOGUE IC	
Q1 -4			2SC4081	TRANSISTOR	
Q1 -4			2SD1819A	TRANSISTOR	
Q13			2SC4081	TRANSISTOR	
Q13			2SD1819A	TRANSISTOR	
Q159,160			2SC4137(V,W)	TRANSISTOR	
Q161,162			2SC5101LB*5	TRANSISTOR	
Q163,164			2SA1909LB*5	TRANSISTOR	
Q259,260			2SC4137(V,W)	TRANSISTOR	
Q261,262			2SC5101LB*5	TRANSISTOR	
Q263,264			2SA1909LB*5	TRANSISTOR	
Q301,302			2SC1845(F,E)	TRANSISTOR	
Q303			2SA1123(Q,R)	TRANSISTOR	
Q304,305		✻	2SA1352(E,F)	TRANSISTOR	
Q306			2SA1123(Q,R)	TRANSISTOR	
Q307			2SC1845(F,E)	TRANSISTOR	
Q308			2SC2631(Q,R)	TRANSISTOR	
Q309			2SA1286-T11	TRANSISTOR	
Q310			2SC2631(Q,R)	TRANSISTOR	
Q311			2SA1286-T11	TRANSISTOR	
Q312			DTC124EUA	DIGITAL TRANSISTOR	
Q312			UN5212	DIGITAL TRANSISTOR	
Q313,314		✻	STW34NB20	FET	
Q315			DTA124EUA	DIGITAL TRANSISTOR	

Ref. No.	Add	New	Parts No.	Description	Destination
Q315			UN5112	DIGITAL TRANSISTOR	
Q316			DTC124EUA	DIGITAL TRANSISTOR	
Q316			UN5212	DIGITAL TRANSISTOR	
Q401			2SD2375	TRANSISTOR	
Q402			2SB1548(P)	TRANSISTOR	
Q403-410			IRFI1010N	FET	
Q411,412			2SC945(A)(Q,P)	TRANSISTOR	
Q413,414			2SA733(A)(Q,P)	TRANSISTOR	
Q415			2SA1534A(R,S)	TRANSISTOR	
Q416			DTC124EUA	DIGITAL TRANSISTOR	
Q416			UN5212	DIGITAL TRANSISTOR	
Q417,418			2SC3940A(R,S)	TRANSISTOR	
Q419			2SC4081	TRANSISTOR	
Q419			2SD1819A	TRANSISTOR	
Q420			2SA1576A	TRANSISTOR	
Q420			2SB1218A	TRANSISTOR	
Q421			DTC124EUA	DIGITAL TRANSISTOR	
Q421			UN5212	DIGITAL TRANSISTOR	
Q422,423			2SC4081	TRANSISTOR	
Q422,423			2SD1819A	TRANSISTOR	
Q424			DTC124EUA	DIGITAL TRANSISTOR	
Q424			UN5212	DIGITAL TRANSISTOR	
Q425,426			2SC4081	TRANSISTOR	
Q425,426			2SD1819A	TRANSISTOR	
Q427			2SA1576A	TRANSISTOR	
Q427			2SB1218A	TRANSISTOR	
Q428			2SC4081	TRANSISTOR	
Q428			2SD1819A	TRANSISTOR	
Q429,430			2SA1576A	TRANSISTOR	
Q429,430			2SB1218A	TRANSISTOR	
Q431-433			2SC4081	TRANSISTOR	
Q431-433			2SD1819A	TRANSISTOR	
Q434			DTA124EUA	DIGITAL TRANSISTOR	
Q434			UN5112	DIGITAL TRANSISTOR	
Q435			2SC4081	TRANSISTOR	
Q435			2SD1819A	TRANSISTOR	
Q436			2SC3940A(R,S)	TRANSISTOR	
Q438			2SC4209-Y	TRANSISTOR	
Q439			2SC4081	TRANSISTOR	
Q439			2SD1819A	TRANSISTOR	
Q440			2SA1576A	TRANSISTOR	
Q440			2SB1218A	TRANSISTOR	
Q441			2SA992(F,E)	TRANSISTOR	
Q442			2SC1845(F,E)	TRANSISTOR	
Q443			2SA1576A	TRANSISTOR	
Q443			2SB1218A	TRANSISTOR	
Q444			2SC3940A(R,S)	TRANSISTOR	
Q446			2SC4081	TRANSISTOR	
Q446			2SD1819A	TRANSISTOR	
TH1			PTH9L04BD222TS	POSITIVE RESISTOR	
TH2 ,3			PTH9M04BE222T	POSITIVE RESISTOR	
TH4			PTH9L04BD222TS	POSITIVE RESISTOR	

E : Europe **K** : North America **M** : Other Areas
J : Japan

E1 : KAC-PS650D
KM1J1 : KAC-X650D

⚠ indicates safety critical components.