Service Manual

Digital Power Amplifier

DPA-50E

interM

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SPECIFICATIONS

	DPA-50E
Rated Output Power	60W ×8CH (4Ω), 50W x 8CH (70V/100V)
Output Level/Impedance	100V/200Ω
	70V/100Ω
	15.5V/4Ω
Input Sensitivity	1V/10kΩ
T.H.D (AES17, Rated Power)	Less than 0.1%
S/N (20kHz LPF)	Better than 90dB
Frequency Response (1W, ±3dB)	80Hz~18kHz
Operating Temperature	-10°C ~ 40°C
Power Source	AC 220-240V, 50/60Hz, DC 24V
Power Consumption	110W
Weight (Set)	11.3kg/24.9lb
Dimensions (Set)	482(W) × 88(H) × 420(D)mm/18.98(W) x 3.46(H) x 16.53(D)in

* Design and specification are subject to be changed for the improvement of product quality without pre notice.

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
AMP B'D			
C100	120421	CE0.1U50K/2012,0.1U	0.1U
C101	126494	CE0.01U250K/2012,0.01U	0.01U
C102	126494	CE0.01U250K/2012,0.01U	0.01U
C103	120406	CE680P50J/2012,680P	680P
C104	120406	CE680P50J/2012,680P	680P
C105	120360	CE18P50J/2012,18P	18P
C106	120360	CE18P50J/2012,18P	18P
C107	127711	EC10U50M/NXB/T,10/50	10/50
C108	120389	CE47P50J/2012,47P	47P
C111	120406	CE680P50J/2012,680P	680P
C112	120406	CE680P50J/2012,680P	680P
C113	120360	CE18P50J/2012,18P	18P
C114	120360	CE18P50J/2012,18P	18P
C115	127711	EC10U50M/NXB/T,10/50	10/50
C116	120389	CE47P50J/2012,47P	47P
C118	126715	EC10U50M/RD/T,10/50	10/50
C119	126715	EC10U50M/RD/T,10/50	10/50
C121	120275	CE2200P50K/2012,2200P	2200P
C122	120371	CE220P50J/2012,220P	220P
C123	105833	MA0.12U100J/MIN/T,0.12/100(M)	0.12/100(M)
C124	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C125	120389	CE47P50J/2012,47P	47P
C126	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C127	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C128	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C129	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C130	120348	CE4.7U16M/3216,4.7/16	4.7/16
C131	120275	CE2200P50K/2012,2200P	2200P
C132	120371	CE220P50J/2012,220P	220P
C133	105833	MA0.12U100J/MIN/T,0.12/100(M)	0.12/100(M)
C134	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C135	120389	CE47P50J/2012,47P	47P
C141	120421	CE0.1U50K/2012,0.1U	0.1U
C142	120421	CE0.1U50K/2012,0.1U	0.1U
C143	120421	CE0.1U50K/2012,0.1U	0.1U
C144	120421	CE0.1U50K/2012,0.1U	0.1U
C145	120421	CE0.1U50K/2012,0.1U	0.1U
C146	120421	CE0.1U50K/2012,0.1U	0.1U
C147	120421	CE0.1U50K/2012,0.1U	0.1U
C148	120421	CE0.1U50K/2012,0.1U	0.1U
C149	120421	CE0.1U50K/2012,0.1U	0.1U
C150	120421	CE0.1U50K/2012,0.1U	0.1U
C151	120381	CE330P50J/2012,330P	330P
C152	120381	CE330P50J/2012,330P	330P
C153	120381	CE330P50J/2012,330P	330P
C154	120381	CE330P50J/2012,330P	330P
C155	120381	CE330P50J/2012,330P	330P
C156	105508	EC47U25M/RG/T,47/25	47/25
C157	120443	CE4700P50K/2012,4700P	4700P
C158	120235	CE0.001U50J/2012,0.001U	0.001U
C159	120421	CE0.1U50K/2012,0.1U	0.1U
C161	120421	CE0.1U50K/2012,0.1U	0.1U
C162	120438	CE0.033U50K/2012,0.033U	0.033U
C163	120421	CE0.1U50K/2012,0.1U	0.1U
C164	126715	EC10U50M/RD/T,10/50	10/50
C166	120251	CE1U50Z/2012,1U	1U
C167	120438	CE0.033U50K/2012,0.033U	0.033U
C168	120438	CE0.033U50K/2012,0.033U	0.033U
C169	105438	EC1000U50M/NXB,1000/50	1000/50
C170	120251	CE1U50Z/2012,1U	1U
C172	120251	CE1U50Z/2012,1U	1U
C173	120438	CE0.033U50K/2012,0.033U	0.033U
C174	120421	CE0.1U50K/2012,0.1U	0.1U
C175	105438	EC1000U50M/NXB,1000/50	1000/50

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
C176	120251	CE1U50Z/2012,1U	1U
C181	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C182	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C183	120237	CE0.001U50J/3216,0.001U	0.001U
C184	120237	CE0.001U50J/3216,0.001U	0.001U
C185	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C186	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C187	105368	EC470U63M/NXB,2200/25	2200/25
C188	105368	EC470U63M/NXB,2200/25	2200/25
C191	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C192	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C193	120237	CE0.001U50J/3216,0.001U	0.001U
C194	120237	CE0.001U50J/3216,0.001U	0.001U
C195	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C196	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C197	105368	EC470U63M/NXB,2200/25	2200/25
C198	105368	EC470U63M/NXB,2200/25	2200/25
C199	120247	CE0.1U50Z/2012,0.1U	0.1U
C200	120421	CE0.1U50K/2012,0.1U	0.1U
C201	126494	CE0.01U250K/2012,0.01U	0.01U
C202	126494	CE0.01U250K/2012,0.01U	0.01U
C203	120406	CE680P50J/2012,680P	680P
C204	120406	CE680P50J/2012,680P	680P
C205	120360	CE18P50J/2012,18P	18P
C206	120360	CE18P50J/2012,18P	18P
C207	127711	EC10U50M/NXB/T,10/50	10/50
C208	120389	CE47P50J/2012,47P	47P
C211	120406	CE680P50J/2012,680P	680P
C212	120406	CE680P50J/2012,680P	680P
C213	120360	CE18P50J/2012,18P	18P
C214	120360	CE18P50J/2012,18P	18P
C215	127711	EC10U50M/NXB/T,10/50	10/50
C216	120389	CE47P50J/2012,47P	47P
C221	120275	CE2200P50K/2012,2200P	2200P
C222	120371	CE220P50J/2012,220P	220P
C223	105833	MA0.12U100J/MIN/T,0.12/100(M)	0.12/100(M)
C224	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C225	120389	CE47P50J/2012,47P	47P
C226	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C227	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C228	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C229	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C230	120348	CE4.7U16M/3216,4.7/16	4.7/16
C231	120275	CE2200P50K/2012,2200P	2200P
C232	120371	CE220P50J/2012,220P	220P
C233	105833	MA0.12U100J/MIN/T,0.12/100(M)	0.12/100(M)
C234	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C235	120389	CE47P50J/2012,47P	47P
C241	120421	CE0.1U50K/2012,0.1U	0.1U
C242	120421	CE0.1U50K/2012,0.1U	0.1U
C243	120421	CE0.1U50K/2012,0.1U	0.1U
C244	120421	CE0.1U50K/2012,0.1U	0.1U
C245	120421	CE0.1U50K/2012,0.1U	0.1U
C246	120421	CE0.1U50K/2012,0.1U	0.1U
C247	120421	CE0.1U50K/2012,0.1U	0.1U
C248	120421	CE0.1U50K/2012,0.1U	0.1U
C249	120421	CE0.1U50K/2012,0.1U	0.1U
C250	120421	CE0.1U50K/2012,0.1U	0.1U
C251	120381	CE330P50J/2012,330P	330P
C252	120381	CE330P50J/2012,330P	330P
C253	120381	CE330P50J/2012,330P	330P
C254	120381	CE330P50J/2012,330P	330P
C255	120381	CE330P50J/2012,330P	330P
C256	105508	EC47U25M/RG/T,47/25	47/25
C257	120443	CE4700P50K/2012,4700P	4700P

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
C258	120235	CE0.001U50J/2012,0.001U	0.001U
C259	120421	CE0.1U50K/2012,0.1U	0.1U
C261	120421	CE0.1U50K/2012,0.1U	0.1U
C262	120421	CE0.1U50K/2012,0.1U	0.1U
C263	126715	EC10U50M/RD/T,10/50	10/50
C264	120438	CE0.033U50K/2012,0.033U	0.033U
C266	120251	CE1U50Z/2012,1U	1U
C267	120438	CE0.033U50K/2012,0.033U	0.033U
C268	120438	CE0.033U50K/2012,0.033U	0.033U
C269	105438	EC1000U50M/NXB,1000/50	1000/50
C270	120251	CE1U50Z/2012,1U	1U
C272	120251	CE1U50Z/2012,1U	1U
C273	120438	CE0.033U50K/2012,0.033U	0.033U
C274	120421	CE0.1U50K/2012,0.1U	0.1U
C275	105438	EC1000U50/WB,1000/50	1000/50
C276	120251	CE1U50Z/2012,1U	1U
C281	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C282	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C283	120237	CE0.001U50J/3216,0.001U	0.001U
C284	120237	CE0.001U50J/3216,0.001U	0.001U
C285	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C286	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C287	105368	EC470U63M/NXB,2200/25	2200/25
C288	105368	EC470U63M/NXB,2200/25	2200/25
C291	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C292	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C293	120237	CE0.001U50J/3216,0.001U	0.001U
C294	120237	CE0.001U50J/3216,0.001U	0.001U
C295	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C296	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C297	105368	EC470U63M/NXB,2200/25	2200/25
C298	105368	EC470U63M/NXB,2200/25	2200/25
C300	120421	CE0.1U50K/2012,0.1U	0.1U
C301	126494	CE0.01U250K/2012,0.01U	0.01U
C302	126494	CE0.01U250K/2012,0.01U	0.01U
C303	120406	CE680P50J/2012,680P	680P
C304	120406	CE680P50J/2012,680P	680P
C305	120360	CE18P50J/2012,18P	18P
C306	120360	CE18P50J/2012,18P	18P
C307	127711	EC10U50M/NXB/T,10/50	10/50
C308	120389	CE47P50J/2012,47P	47P
C311	120406	CE680P50J/2012,680P	680P
C312	120406	CE680P50J/2012,680P	680P
C313	120360	CE18P50J/2012,18P	18P
C314	120360	CE18P50J/2012,18P	18P
C315	127711	EC10U50M/NXB/T,10/50	10/50
C316	120389	CE47P50J/2012,47P	47P
C318	126715	EC10U50M/RD/T,10/50	10/50
C319	126715	EC10U50M/RD/T,10/50	10/50
C321	120275	CE2200P50K/2012,2200P	2200P
C322	120371	CE220P50J/2012,220P	220P
C323	105833	MA0.12U100J/MIN/T,0.12/100(M)	0.12/100(M)
C324	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C325	120389	CE47P50J/2012,47P	47P
C326	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C327	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C328	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C329	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C330	120348	CE4.7U16M/3216,4.7/16	4.7/16
C331	120275	CE2200P50K/2012,2200P	2200P
C332	120371	CE220P50J/2012,220P	220P
C333	105833	MA0.12U100J/MIN/T,0.12/100(M)	0.12/100(M)
C334	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C335	120389	CE47P50J/2012,47P	47P
C341	120421	CE0.1U50K/2012,0.1U	0.1U

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
C342	120421	CE0.1U50K/2012,0.1U	0.1U
C343	120421	CE0.1U50K/2012,0.1U	0.1U
C344	120421	CE0.1U50K/2012,0.1U	0.1U
C345	120421	CE0.1U50K/2012,0.1U	0.1U
C346	120421	CE0.1U50K/2012,0.1U	0.1U
C347	120421	CE0.1U50K/2012,0.1U	0.1U
C348	120421	CE0.1U50K/2012,0.1U	0.1U
C349	120421	CE0.1U50K/2012,0.1U	0.1U
C350	120421	CE0.1U50K/2012,0.1U	0.1U
C351	120381	CE330P50J/2012,330P	330P
C352	120381	CE330P50J/2012,330P	330P
C353	120381	CE330P50J/2012,330P	330P
C354	120381	CE330P50J/2012,330P	330P
C355	120381	CE330P50J/2012,330P	330P
C356	105508	EC47U25M/RG/T,47/25	47/25
C357	120443	CE4700P50K/2012,4700P	4700P
C358	120235	CE0.001U50J/2012,0.001U	0.001U
C359	120421	CE0.1U50K/2012,0.1U	0.1U
C361	120421	CE0.1U50K/2012,0.1U	0.1U
C362	120438	CE0.033U50K/2012,0.033U	0.033U
C363	120421	CE0.1U50K/2012,0.1U	0.1U
C364	126715	EC10U50M/RD/T,10/50	10/50
C366	120251	CE1U50Z/2012,1U	1U
C367	120438	CE0.033U50K/2012,0.033U	0.033U
C368	120438	CE0.033U50K/2012,0.033U	0.033U
C369	105438	EC1000U50/WB,1000/50	1000/50
C370	120251	CE1U50Z/2012,1U	1U
C372	120251	CE1U50Z/2012,1U	1U
C373	120438	CE0.033U50K/2012,0.033U	0.033U
C374	120421	CE0.1U50K/2012,0.1U	0.1U
C375	105438	EC1000U50/WB,1000/50	1000/50
C376	120251	CE1U50Z/2012,1U	1U
C381	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C382	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C383	120237	CE0.001U50J/3216,0.001U	0.001U
C384	120237	CE0.001U50J/3216,0.001U	0.001U
C385	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C386	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C387	105368	EC470U63M/NXB,2200/25	2200/25
C388	105368	EC470U63M/NXB,2200/25	2200/25
C391	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C392	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C393	120237	CE0.001U50J/3216,0.001U	0.001U
C394	120237	CE0.001U50J/3216,0.001U	0.001U
C395	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C396	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C397	105368	EC470U63M/NXB,2200/25	2200/25
C398	105368	EC470U63M/NXB,2200/25	2200/25
C400	120421	CE0.1U50K/2012,0.1U	0.1U
C401	126494	CE0.01U250K/2012,0.01U	0.01U
C402	126494	CE0.01U250K/2012,0.01U	0.01U
C403	120406	CE680P50J/2012,680P	680P
C404	120406	CE680P50J/2012,680P	680P
C405	120360	CE18P50J/2012,18P	18P
C406	120360	CE18P50J/2012,18P	18P
C407	127711	EC10U50M/NXB/T,10/50	10/50
C408	120389	CE47P50J/2012,47P	47P
C411	120406	CE680P50J/2012,680P	680P
C412	120406	CE680P50J/2012,680P	680P
C413	120360	CE18P50J/2012,18P	18P
C414	120360	CE18P50J/2012,18P	18P
C415	127711	EC10U50M/NXB/T,10/50	10/50
C416	120389	CE47P50J/2012,47P	47P
C421	120275	CE2200P50K/2012,2200P	2200P
C422	120371	CE220P50J/2012,220P	220P

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
C423	105833	MA0.12U100J/MIN/T,0.12/100(M)	0.12/100(M)
C424	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C425	120389	CE47P50J/2012,47P	47P
C426	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C427	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C428	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C429	127554	EC2.2U50M/NXB/T,2.2/50	2.2/50
C430	120348	CE4.7U16M/3216,4.7/16	4.7/16
C431	120275	CE2200P50K/2012,2200P	2200P
C432	120371	CE220P50J/2012,220P	220P
C433	105833	MA0.12U100J/MIN/T,0.12/100(M)	0.12/100(M)
C434	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C435	120389	CE47P50J/2012,47P	47P
C441	120421	CE0.1U50K/2012,0.1U	0.1U
C442	120421	CE0.1U50K/2012,0.1U	0.1U
C443	120421	CE0.1U50K/2012,0.1U	0.1U
C444	120421	CE0.1U50K/2012,0.1U	0.1U
C445	120421	CE0.1U50K/2012,0.1U	0.1U
C446	120421	CE0.1U50K/2012,0.1U	0.1U
C447	120421	CE0.1U50K/2012,0.1U	0.1U
C448	120421	CE0.1U50K/2012,0.1U	0.1U
C449	120421	CE0.1U50K/2012,0.1U	0.1U
C450	120421	CE0.1U50K/2012,0.1U	0.1U
C451	120381	CE330P50J/2012,330P	330P
C452	120381	CE330P50J/2012,330P	330P
C453	120381	CE330P50J/2012,330P	330P
C454	120381	CE330P50J/2012,330P	330P
C455	120381	CE330P50J/2012,330P	330P
C456	105508	EC47U25M/RG/T,47/25	47/25
C457	120443	CE4700P50K/2012,4700P	4700P
C458	120235	CE0.001U50J/2012,0.001U	0.001U
C459	120421	CE0.1U50K/2012,0.1U	0.1U
C461	120421	CE0.1U50K/2012,0.1U	0.1U
C462	120438	CE0.033U50K/2012,0.033U	0.033U
C463	120421	CE0.1U50K/2012,0.1U	0.1U
C464	126715	EC10U50M/RD/T,10/50	10/50
C466	120251	CE1U50Z/2012,1U	1U
C467	120438	CE0.033U50K/2012,0.033U	0.033U
C468	120438	CE0.033U50K/2012,0.033U	0.033U
C469	105438	EC1000U50/WB,1000/50	1000/50
C470	120251	CE1U50Z/2012,1U	1U
C472	120251	CE1U50Z/2012,1U	1U
C473	120438	CE0.033U50K/2012,0.033U	0.033U
C474	120421	CE0.1U50K/2012,0.1U	0.1U
C475	105438	EC1000U50/WB,1000/50	1000/50
C476	120251	CE1U50Z/2012,1U	1U
C481	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C482	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C483	120237	CE0.001U50J/3216,0.001U	0.001U
C484	120237	CE0.001U50J/3216,0.001U	0.001U
C485	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C486	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C487	105368	EC470U63M/NXB,2200/25	2200/25
C488	105368	EC470U63M/NXB,2200/25	2200/25
C491	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C492	123662	MA0.68U63J/PCMT/T,0.68/50(J)	0.68/50(J)
C493	120237	CE0.001U50J/3216,0.001U	0.001U
C494	120237	CE0.001U50J/3216,0.001U	0.001U
C495	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C496	145053	MA0.1U100J/BMPE/T,0.1/100(J)	0.1/100(J)
C497	105368	EC470U63M/NXB,2200/25	2200/25
C498	105368	EC470U63M/NXB,2200/25	2200/25
C501	120235	CE0.001U50J/2012,0.001U	0.001U
C503	120315	CE0.47U50Z/2012,0.47U	0.47U
C504	120421	CE0.1U50K/2012,0.1U	0.1U

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
C505	125848	EC100U50M/NXB/T,100/50	100/50
C506	120421	CE0.1U50K/2012,0.1U	0.1U
C507	126494	CE0.01U250K/2012,0.01U	0.01U
C508	120421	CE0.1U50K/2012,0.1U	0.1U
C509	120421	CE0.1U50K/2012,0.1U	0.1U
C510	120421	CE0.1U50K/2012,0.1U	0.1U
C511	120251	CE1U50Z/2012,1U	1U
C512	120352	CE100P50J/2012,100P	100P
C513	120417	CE0.01U50K/2012,0.01U	0.01U
C514	125848	EC100U50M/NXB/T,100/50	100/50
C515	120421	CE0.1U50K/2012,0.1U	0.1U
C516	105356	EC470U35M/RD/T,470/35	470/35
C517	120421	CE0.1U50K/2012,0.1U	0.1U
C518	105421	EC100U25M/RG/T,100/25	100/25
C519	105421	EC100U25M/RG/T,100/25	100/25
C520	125848	EC100U50M/NXB/T,100/50	100/50
C521	120251	CE1U50Z/2012,1U	1U
C522	120352	CE100P50J/2012,100P	100P
C523	120417	CE0.01U50K/2012,0.01U	0.01U
C524	120421	CE0.1U50K/2012,0.1U	0.1U
C525	105356	EC470U35M/RD/T,470/35	470/35
C526	120421	CE0.1U50K/2012,0.1U	0.1U
C527	120421	CE0.1U50K/2012,0.1U	0.1U
C528	120421	CE0.1U50K/2012,0.1U	0.1U
C531	126715	EC10U50M/RD/T,10/50	10/50
C532	120421	CE0.1U50K/2012,0.1U	0.1U
C534	120421	CE0.1U50K/2012,0.1U	0.1U
C536	120352	CE100P50J/2012,100P	100P
C537	120352	CE100P50J/2012,100P	100P
C538	120421	CE0.1U50K/2012,0.1U	0.1U
C539	120421	CE0.1U50K/2012,0.1U	0.1U
C601	120381	CE330P50J/2012,330P	330P
C602	120381	CE330P50J/2012,330P	330P
C603	120352	CE100P50J/2012,100P	100P
C604	120352	CE100P50J/2012,100P	100P
C605	120421	CE0.1U50K/2012,0.1U	0.1U
C606	120421	CE0.1U50K/2012,0.1U	0.1U
C607	127711	EC10U50M/NXB/T,10/50	10/50
C610	120421	CE0.1U50K/2012,0.1U	0.1U
C611	120421	CE0.1U50K/2012,0.1U	0.1U
C612	120421	CE0.1U50K/2012,0.1U	0.1U
C613	120421	CE0.1U50K/2012,0.1U	0.1U
C614	120421	CE0.1U50K/2012,0.1U	0.1U
C615	120421	CE0.1U50K/2012,0.1U	0.1U
C616	120421	CE0.1U50K/2012,0.1U	0.1U
C617	120421	CE0.1U50K/2012,0.1U	0.1U
C701	120421	CE0.1U50K/2012,0.1U	0.1U
C702	120421	CE0.1U50K/2012,0.1U	0.1U
C703	120421	CE0.1U50K/2012,0.1U	0.1U
CN101	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN102	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN103	111339	12P/53014/2,53014-12P	53014-12P
CN201	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN202	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN203	111339	12P/53014/2,53014-12P	53014-12P
CN301	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN302	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN303	111339	12P/53014/2,53014-12P	53014-12P
CN401	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN402	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN403	111339	12P/53014/2,53014-12P	53014-12P
CN501	110496	06P/B6P-VH/3.96,B6PVH-06P	B6PVH-06P
CN502	111358	03P/LW-5267/2.5,LW5267-03P	LW5267-03P
CN503	111330	02P/53014/2,53014-02P	53014-02P
CON101	138993	TER/BL/VL138993/12H/G/138993,TERMINAL06P	TERMINAL06P

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
CON201	138993	TER/BL/VL138993/12H/G/138993,TERMINAL06P	TERMINAL06P
CON601	138993	TER/BL/VL138993/12H/G/138993,TERMINAL06P	TERMINAL06P
D101	119196	D/BAV99/SOT23,BAV99	BAV99
D102	119196	D/BAV99/SOT23,BAV99	BAV99
D103	119196	D/BAV99/SOT23,BAV99	BAV99
D104	119196	D/BAV99/SOT23,BAV99	BAV99
D105	119190	D/BAS21/SOT23,BAS21	BAS21
D106	119190	D/BAS21/SOT23,BAS21	BAS21
D107	119190	D/BAS21/SOT23,BAS21	BAS21
D111	119190	D/BAS21/SOT23,BAS21	BAS21
D112	119190	D/BAS21/SOT23,BAS21	BAS21
D113	119190	D/BAS21/SOT23,BAS21	BAS21
D121	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D122	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D123	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D124	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D125	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D126	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D127	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D128	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D131	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D132	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D133	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D134	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D201	119196	D/BAV99/SOT23,BAV99	BAV99
D202	119196	D/BAV99/SOT23,BAV99	BAV99
D203	119196	D/BAV99/SOT23,BAV99	BAV99
D204	119196	D/BAV99/SOT23,BAV99	BAV99
D205	119190	D/BAS21/SOT23,BAS21	BAS21
D206	119190	D/BAS21/SOT23,BAS21	BAS21
D207	119190	D/BAS21/SOT23,BAS21	BAS21
D208	119190	D/BAS21/SOT23,BAS21	BAS21
D211	119190	D/BAS21/SOT23,BAS21	BAS21
D212	119190	D/BAS21/SOT23,BAS21	BAS21
D213	119190	D/BAS21/SOT23,BAS21	BAS21
D221	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D222	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D223	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D224	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D225	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D226	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D227	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D228	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D231	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D232	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D233	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D234	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D302	119196	D/BAV99/SOT23,BAV99	BAV99
D303	119196	D/BAV99/SOT23,BAV99	BAV99
D304	119196	D/BAV99/SOT23,BAV99	BAV99
D305	119190	D/BAS21/SOT23,BAS21	BAS21
D306	119190	D/BAS21/SOT23,BAS21	BAS21
D307	119190	D/BAS21/SOT23,BAS21	BAS21
D308	119190	D/BAS21/SOT23,BAS21	BAS21
D310	119196	D/BAV99/SOT23,BAV99	BAV99
D311	119190	D/BAS21/SOT23,BAS21	BAS21
D312	119190	D/BAS21/SOT23,BAS21	BAS21
D313	119190	D/BAS21/SOT23,BAS21	BAS21
D321	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D322	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D323	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D324	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D325	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D326	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D327	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
D328	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D331	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D332	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D333	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D334	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D401	119196	D/BAV99/SOT23,BAV99	BAV99
D402	119196	D/BAV99/SOT23,BAV99	BAV99
D403	119196	D/BAV99/SOT23,BAV99	BAV99
D404	119196	D/BAV99/SOT23,BAV99	BAV99
D405	119190	D/BAS21/SOT23,BAS21	BAS21
D406	119190	D/BAS21/SOT23,BAS21	BAS21
D407	119190	D/BAS21/SOT23,BAS21	BAS21
D408	119190	D/BAS21/SOT23,BAS21	BAS21
D411	119190	D/BAS21/SOT23,BAS21	BAS21
D412	119190	D/BAS21/SOT23,BAS21	BAS21
D413	119190	D/BAS21/SOT23,BAS21	BAS21
D421	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D422	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D423	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D424	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D425	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D426	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D427	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D428	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D431	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D432	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D433	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D434	137010	ZD/5.1V/MMBZ5231B/SOT23,5.1V	5.1V
D502	119190	D/BAS21/SOT23,BAS21	BAS21
D503	128444	ZD/5.6V/350MW/SOT23,5.6V	5.6V
D504	119190	D/BAS21/SOT23,BAS21	BAS21
D505	119182	D/SX34/SMA,SX34	SX34
D506	128444	ZD/5.6V/350MW/SOT23,5.6V	5.6V
D507	119182	D/SX34/SMA,SX34	SX34
D508	119190	D/BAS21/SOT23,BAS21	BAS21
D509	119182	D/SX34/SMA,SX34	SX34
D510	119190	D/BAS21/SOT23,BAS21	BAS21
D511	119190	D/BAS21/SOT23,BAS21	BAS21
D513	119190	D/BAS21/SOT23,BAS21	BAS21
D514	129532	D/ES3G/DO214AB,ES3G	ES3G
D515	119190	D/BAS21/SOT23,BAS21	BAS21
D516	119206	ZD/6.2V/BZX84C/SOT23	6.2V
D601	119196	D/BAV99/SOT23,BAV99	BAV99
D602	119196	D/BAV99/SOT23,BAV99	BAV99
D603	119196	D/BAV99/SOT23,BAV99	BAV99
D604	119196	D/BAV99/SOT23,BAV99	BAV99
D605	119196	D/BAV99/SOT23,BAV99	BAV99
D606	119196	D/BAV99/SOT23,BAV99	BAV99
D607	119196	D/BAV99/SOT23,BAV99	BAV99
D608	119196	D/BAV99/SOT23,BAV99	BAV99
D609	119196	D/BAV99/SOT23,BAV99	BAV99
D610	119196	D/BAV99/SOT23,BAV99	BAV99
FB500	137702	100MHZ/BEAD/106081,100MHz	100MHz
FB501	124548	110OHM/BEAD/124548,110OHM	110OHM
FB502	137702	100MHZ/BEAD/106081,100MHz	100MHz
FB503	137702	100MHZ/BEAD/106081,100MHz	100MHz
FB506	127462	120OHM/BEAD/127462,120ohm	120ohm
HS101	143434	HS/143434/24,Heat sink	Heat sink
IC101	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC102	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC103	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC104	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC105	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC106	138943	TAS5613ADKD/PSOP3-44P/2,TAS5613ADKD	TAS5613ADKD
IC201	118730	NJM072M/DMP08P,NJM072M	NJM072M

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
IC202	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC203	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC204	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC205	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC206	138943	TAS5613ADKD/PSOP3-44P/2,TAS5613ADKD	TAS5613ADKD
IC301	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC302	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC303	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC304	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC305	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC306	138943	TAS5613ADKD/PSOP3-44P/2,TAS5613ADKD	TAS5613ADKD
IC401	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC402	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC403	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC404	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC405	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC406	138943	TAS5613ADKD/PSOP3-44P/2,TAS5613ADKD	TAS5613ADKD
IC501	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC502	136256	LM22672/SOP08P/2,LM22672	LM22672
IC503	136256	LM22672/SOP08P/2,LM22672	LM22672
IC505	118979	7805/KIA/SOT89,7805	7805
IC601	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC602	103384	PC/LTV847,LTV847	LTV847
IC603	103384	PC/LTV847,LTV847	LTV847
L101	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L102	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L103	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L104	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L201	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L202	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L203	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L204	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L301	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L302	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L303	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L304	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L401	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L402	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L403	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L404	136470	15UH/16/RCR1616NP-150M,15uH	15uH
L501	119250	15UH/SHP0760P,15uH	15uH
L502	119250	15UH/SHP0760P,15uH	15uH
LD101	129959	LD/G/1608/BL-HGE36A,BL-HGE36A	BL-HGE36A
LD201	129959	LD/G/1608/BL-HGE36A,BL-HGE36A	BL-HGE36A
LD301	129959	LD/G/1608/BL-HGE36A,BL-HGE36A	BL-HGE36A
LD401	129959	LD/G/1608/BL-HGE36A,BL-HGE36A	BL-HGE36A
LD501	130295	LD/G/1608/BL-HGK36A,BL-HGK36A	BL-HGK36A
LD502	130293	LD/Y/1608/BL-HKB36A,BL-HKB36A	BL-HKB36A
LD503	130293	LD/Y/1608/BL-HKB36A,BL-HKB36A	BL-HKB36A
Q102	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q103	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q104	118638	NPN/KRC403/USM,KRC403	KRC403
Q105	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q106	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q107	118638	NPN/KRC403/USM,KRC403	KRC403
Q108	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q111	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q112	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q113	118638	NPN/KRC403/USM,KRC403	KRC403
Q114	118638	NPN/KRC403/USM,KRC403	KRC403
Q115	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q201	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q202	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q203	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q204	118638	NPN/KRC403/USM,KRC403	KRC403

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
Q205	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q206	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q207	118638	NPN/KRC403/USM,KRC403	KRC403
Q208	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q211	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q212	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q213	118638	NPN/KRC403/USM,KRC403	KRC403
Q214	118638	NPN/KRC403/USM,KRC403	KRC403
Q215	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q301	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q302	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q303	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q304	118638	NPN/KRC403/USM,KRC403	KRC403
Q305	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q306	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q307	118638	NPN/KRC403/USM,KRC403	KRC403
Q308	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q311	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q312	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q313	118638	NPN/KRC403/USM,KRC403	KRC403
Q314	118638	NPN/KRC403/USM,KRC403	KRC403
Q315	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q401	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q402	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q403	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q404	118638	NPN/KRC403/USM,KRC403	KRC403
Q405	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q406	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q407	118638	NPN/KRC403/USM,KRC403	KRC403
Q408	141294	N/MMBFJ112/SOT23,PMBFJ112	MMBFJ112
Q411	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q412	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q413	118638	NPN/KRC403/USM,KRC403	KRC403
Q414	118638	NPN/KRC403/USM,KRC403	KRC403
Q415	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q501	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q502	118663	PNP/2N3906S/SOT23,2N3906	2N3906
Q503	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q504	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q505	118657	PNP/KTA1666/SOT89,KTA1666	KTA1666
Q601	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q602	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q603	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q604	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q605	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q606	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q607	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q608	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q903	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q904	102615	P/2SJ535/TO220,2SJ535	2SJ535
R101	119548	R3KJ/2012,3K	3K
R102	119548	R3KJ/2012,3K	3K
R103	119401	R12KJ/2012,12K	12K
R104	119401	R12KJ/2012,12K	12K
R105	119428	R15KJ/2012,15K	15K
R106	119428	R15KJ/2012,15K	15K
R111	119367	R10KJ/2012,10K	10K
R112	119367	R10KJ/2012,10K	10K
R114	119548	R3KJ/2012,3K	3K
R115	119548	R3KJ/2012,3K	3K
R116	119401	R12KJ/2012,12K	12K
R117	119401	R12KJ/2012,12K	12K
R118	119428	R15KJ/2012,15K	15K
R119	119428	R15KJ/2012,15K	15K
R120	119367	R10KJ/2012,10K	10K

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
R121	119367	R10KJ/2012,10K	10K
R122	119370	R100KJ/2012,100K	100K
R123	119635	R470KJ/2012,470K	470K
R124	119367	R10KJ/2012,10K	10K
R125	119367	R10KJ/2012,10K	10K
R131	119689	R6.2KJ/2012,6.2K	6.2K
R132	119435	R150KJ/2012,150K	150K
R133	119625	R4.7KJ/2012,4.7K	4.7K
R134	119476	R20KJ/2012,20K	20K
R135	119370	R100KJ/2012,100K	100K
R136	119367	R10KJ/2012,10K	10K
R137	119367	R10KJ/2012,10K	10K
R138	119635	R470KJ/2012,470K	470K
R139	119689	R6.2KJ/2012,6.2K	6.2K
R140	119401	R12KJ/2012,12K	12K
R141	119608	R39KJ/2012,39K	39K
R142	119367	R10KJ/2012,10K	10K
R143	119367	R10KJ/2012,10K	10K
R144	119689	R6.2KJ/2012,6.2K	6.2K
R145	119435	R150KJ/2012,150K	150K
R146	119625	R4.7KJ/2012,4.7K	4.7K
R147	119476	R20KJ/2012,20K	20K
R148	119370	R100KJ/2012,100K	100K
R149	119367	R10KJ/2012,10K	10K
R150	119367	R10KJ/2012,10K	10K
R151	119635	R470KJ/2012,470K	470K
R152	119689	R6.2KJ/2012,6.2K	6.2K
R153	119401	R12KJ/2012,12K	12K
R154	119608	R39KJ/2012,39K	39K
R155	119367	R10KJ/2012,10K	10K
R156	119367	R10KJ/2012,10K	10K
R161	119670	R560J/2012,560	560
R162	119625	R4.7KJ/2012,4.7K	4.7K
R163	119625	R4.7KJ/2012,4.7K	4.7K
R164	119630	R47KJ/2012,47K	47K
R165	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R166	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R167	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R168	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R169	119548	R3KJ/2012,3K	3K
R170	119346	R10J/2012,10	10
R171	119362	R1KJ/2012,1K	1K
R172	119362	R1KJ/2012,1K	1K
R173	119362	R1KJ/2012,1K	1K
R174	119362	R1KJ/2012,1K	1K
R175	119630	R47KJ/2012,47K	47K
R176	119531	R27KJ/2012,27K	27K
R177	119367	R10KJ/2012,10K	10K
R178	119346	R10J/2012,10	10
R179	119346	R10J/2012,10	10
R180	119346	R10J/2012,10	10
R181	119346	R10J/2012,10	10
R182	119670	R560J/2012,560	560
R183	119362	R1KJ/2012,1K	1K
R184	119625	R4.7KJ/2012,4.7K	4.7K
R185	119625	R4.7KJ/2012,4.7K	4.7K
R186	119625	R4.7KJ/2012,4.7K	4.7K
R191	119510	R2.2J/2012,2.2	2.2
R192	119510	R2.2J/2012,2.2	2.2
R193	104745	R25J/5W/CE,25	25
R194	104745	R25J/5W/CE,25	25
R195	104745	R25J/5W/CE,25	25
R196	104745	R25J/5W/CE,25	25
R201	119548	R3KJ/2012,3K	3K
R202	119548	R3KJ/2012,3K	3K

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
R203	119401	R12KJ/2012,12K	12K
R204	119401	R12KJ/2012,12K	12K
R205	119428	R15KJ/2012,15K	15K
R206	119428	R15KJ/2012,15K	15K
R207	119367	R10KJ/2012,10K	10K
R208	119370	R100KJ/2012,100K	100K
R209	119635	R470KJ/2012,470K	470K
R210	119367	R10KJ/2012,10K	10K
R211	119367	R10KJ/2012,10K	10K
R212	119367	R10KJ/2012,10K	10K
R214	119548	R3KJ/2012,3K	3K
R215	119548	R3KJ/2012,3K	3K
R216	119401	R12KJ/2012,12K	12K
R217	119401	R12KJ/2012,12K	12K
R218	119428	R15KJ/2012,15K	15K
R219	119428	R15KJ/2012,15K	15K
R220	119367	R10KJ/2012,10K	10K
R221	119367	R10KJ/2012,10K	10K
R222	119370	R100KJ/2012,100K	100K
R223	119635	R470KJ/2012,470K	470K
R224	119367	R10KJ/2012,10K	10K
R225	119367	R10KJ/2012,10K	10K
R231	119689	R6.2KJ/2012,6.2K	6.2K
R232	119435	R150KJ/2012,150K	150K
R233	119625	R4.7KJ/2012,4.7K	4.7K
R234	119476	R20KJ/2012,20K	20K
R235	119370	R100KJ/2012,100K	100K
R236	119367	R10KJ/2012,10K	10K
R237	119367	R10KJ/2012,10K	10K
R238	119635	R470KJ/2012,470K	470K
R239	119689	R6.2KJ/2012,6.2K	6.2K
R240	119401	R12KJ/2012,12K	12K
R241	119608	R39KJ/2012,39K	39K
R242	119367	R10KJ/2012,10K	10K
R243	119367	R10KJ/2012,10K	10K
R244	119689	R6.2KJ/2012,6.2K	6.2K
R245	119435	R150KJ/2012,150K	150K
R246	119625	R4.7KJ/2012,4.7K	4.7K
R247	119476	R20KJ/2012,20K	20K
R248	119370	R100KJ/2012,100K	100K
R249	119367	R10KJ/2012,10K	10K
R250	119367	R10KJ/2012,10K	10K
R251	119635	R470KJ/2012,470K	470K
R252	119689	R6.2KJ/2012,6.2K	6.2K
R253	119401	R12KJ/2012,12K	12K
R254	119608	R39KJ/2012,39K	39K
R255	119367	R10KJ/2012,10K	10K
R256	119367	R10KJ/2012,10K	10K
R261	119670	R560J/2012,560	560
R262	119625	R4.7KJ/2012,4.7K	4.7K
R263	119625	R4.7KJ/2012,4.7K	4.7K
R264	119630	R47KJ/2012,47K	47K
R265	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R266	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R267	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R268	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R269	119548	R3KJ/2012,3K	3K
R270	119346	R10J/2012,10	10
R271	119362	R1KJ/2012,1K	1K
R272	119362	R1KJ/2012,1K	1K
R273	119362	R1KJ/2012,1K	1K
R274	119362	R1KJ/2012,1K	1K
R275	119630	R47KJ/2012,47K	47K
R276	119531	R27KJ/2012,27K	27K
R277	119367	R10KJ/2012,10K	10K

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
R278	119346	R10J/2012,10	10
R279	119346	R10J/2012,10	10
R280	119346	R10J/2012,10	10
R281	119346	R10J/2012,10	10
R282	119670	R560J/2012,560	560
R283	119362	R1KJ/2012,1K	1K
R284	119625	R4.7KJ/2012,4.7K	4.7K
R285	119625	R4.7KJ/2012,4.7K	4.7K
R286	119625	R4.7KJ/2012,4.7K	4.7K
R291	119510	R2.2J/2012,2.2	2.2
R292	119510	R2.2J/2012,2.2	2.2
R293	104745	R25J/5W/CE,25	25
R294	104745	R25J/5W/CE,25	25
R295	104745	R25J/5W/CE,25	25
R296	104745	R25J/5W/CE,25	25
R301	119548	R3KJ/2012,3K	3K
R302	119548	R3KJ/2012,3K	3K
R303	119401	R12KJ/2012,12K	12K
R304	119401	R12KJ/2012,12K	12K
R305	119428	R15KJ/2012,15K	15K
R306	119428	R15KJ/2012,15K	15K
R307	119367	R10KJ/2012,10K	10K
R308	119370	R100KJ/2012,100K	100K
R309	119635	R470KJ/2012,470K	470K
R310	119367	R10KJ/2012,10K	10K
R311	119367	R10KJ/2012,10K	10K
R312	119367	R10KJ/2012,10K	10K
R314	119548	R3KJ/2012,3K	3K
R315	119548	R3KJ/2012,3K	3K
R316	119401	R12KJ/2012,12K	12K
R317	119401	R12KJ/2012,12K	12K
R318	119428	R15KJ/2012,15K	15K
R319	119428	R15KJ/2012,15K	15K
R320	119367	R10KJ/2012,10K	10K
R321	119367	R10KJ/2012,10K	10K
R322	119370	R100KJ/2012,100K	100K
R323	119635	R470KJ/2012,470K	470K
R324	119367	R10KJ/2012,10K	10K
R325	119367	R10KJ/2012,10K	10K
R331	119689	R6.2KJ/2012,6.2K	6.2K
R332	119435	R150KJ/2012,150K	150K
R333	119625	R4.7KJ/2012,4.7K	4.7K
R334	119476	R20KJ/2012,20K	20K
R335	119370	R100KJ/2012,100K	100K
R336	119367	R10KJ/2012,10K	10K
R337	119367	R10KJ/2012,10K	10K
R338	119635	R470KJ/2012,470K	470K
R339	119689	R6.2KJ/2012,6.2K	6.2K
R340	119401	R12KJ/2012,12K	12K
R341	119608	R39KJ/2012,39K	39K
R342	119367	R10KJ/2012,10K	10K
R343	119367	R10KJ/2012,10K	10K
R344	119689	R6.2KJ/2012,6.2K	6.2K
R345	119435	R150KJ/2012,150K	150K
R346	119625	R4.7KJ/2012,4.7K	4.7K
R347	119476	R20KJ/2012,20K	20K
R348	119370	R100KJ/2012,100K	100K
R349	119367	R10KJ/2012,10K	10K
R350	119367	R10KJ/2012,10K	10K
R351	119635	R470KJ/2012,470K	470K
R352	119689	R6.2KJ/2012,6.2K	6.2K
R353	119401	R12KJ/2012,12K	12K
R354	119608	R39KJ/2012,39K	39K
R355	119367	R10KJ/2012,10K	10K
R356	119367	R10KJ/2012,10K	10K

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
R361	119670	R560J/2012,560	560
R362	119625	R4.7KJ/2012,4.7K	4.7K
R363	119625	R4.7KJ/2012,4.7K	4.7K
R364	119630	R47KJ/2012,47K	47K
R365	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R366	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R367	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R368	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R369	119548	R3KJ/2012,3K	3K
R370	119346	R10J/2012,10	10
R371	119362	R1KJ/2012,1K	1K
R372	119362	R1KJ/2012,1K	1K
R373	119362	R1KJ/2012,1K	1K
R374	119362	R1KJ/2012,1K	1K
R375	119630	R47KJ/2012,47K	47K
R376	119531	R27KJ/2012,27K	27K
R377	119367	R10KJ/2012,10K	10K
R378	119346	R10J/2012,10	10
R379	119346	R10J/2012,10	10
R380	119346	R10J/2012,10	10
R381	119346	R10J/2012,10	10
R382	119670	R560J/2012,560	560
R383	119362	R1KJ/2012,1K	1K
R384	119625	R4.7KJ/2012,4.7K	4.7K
R385	119625	R4.7KJ/2012,4.7K	4.7K
R386	119625	R4.7KJ/2012,4.7K	4.7K
R391	119510	R2.2J/2012,2.2	2.2
R392	119510	R2.2J/2012,2.2	2.2
R393	104745	R25J/5W/CE,25	25
R394	104745	R25J/5W/CE,25	25
R395	104745	R25J/5W/CE,25	25
R396	104745	R25J/5W/CE,25	25
R401	119548	R3KJ/2012,3K	3K
R402	119548	R3KJ/2012,3K	3K
R403	119401	R12KJ/2012,12K	12K
R404	119401	R12KJ/2012,12K	12K
R405	119428	R15KJ/2012,15K	15K
R406	119428	R15KJ/2012,15K	15K
R407	119367	R10KJ/2012,10K	10K
R408	119370	R100KJ/2012,100K	100K
R409	119635	R470KJ/2012,470K	470K
R410	119367	R10KJ/2012,10K	10K
R411	119367	R10KJ/2012,10K	10K
R412	119367	R10KJ/2012,10K	10K
R414	119548	R3KJ/2012,3K	3K
R415	119548	R3KJ/2012,3K	3K
R416	119401	R12KJ/2012,12K	12K
R417	119401	R12KJ/2012,12K	12K
R418	119428	R15KJ/2012,15K	15K
R419	119428	R15KJ/2012,15K	15K
R420	119367	R10KJ/2012,10K	10K
R421	119367	R10KJ/2012,10K	10K
R422	119370	R100KJ/2012,100K	100K
R423	119635	R470KJ/2012,470K	470K
R424	119367	R10KJ/2012,10K	10K
R425	119367	R10KJ/2012,10K	10K
R431	119689	R6.2KJ/2012,6.2K	6.2K
R432	119435	R150KJ/2012,150K	150K
R433	119625	R4.7KJ/2012,4.7K	4.7K
R434	119476	R20KJ/2012,20K	20K
R435	119370	R100KJ/2012,100K	100K
R436	119367	R10KJ/2012,10K	10K
R437	119367	R10KJ/2012,10K	10K
R438	119635	R470KJ/2012,470K	470K
R439	119689	R6.2KJ/2012,6.2K	6.2K

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
R440	119401	R12KJ/2012,12K	12K
R441	119608	R39KJ/2012,39K	39K
R442	119367	R10KJ/2012,10K	10K
R443	119367	R10KJ/2012,10K	10K
R444	119689	R6.2KJ/2012,6.2K	6.2K
R445	119435	R150KJ/2012,150K	150K
R446	119625	R4.7KJ/2012,4.7K	4.7K
R447	119476	R20KJ/2012,20K	20K
R448	119370	R100KJ/2012,100K	100K
R449	119367	R10KJ/2012,10K	10K
R450	119367	R10KJ/2012,10K	10K
R451	119635	R470KJ/2012,470K	470K
R452	119689	R6.2KJ/2012,6.2K	6.2K
R453	119401	R12KJ/2012,12K	12K
R454	119608	R39KJ/2012,39K	39K
R455	119367	R10KJ/2012,10K	10K
R456	119367	R10KJ/2012,10K	10K
R461	119670	R560J/2012,560	560
R462	119625	R4.7KJ/2012,4.7K	4.7K
R463	119625	R4.7KJ/2012,4.7K	4.7K
R464	119630	R47KJ/2012,47K	47K
R465	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R466	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R467	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R468	126331	R20KJ/2W/MO/T,20K 2W	20K 2W
R469	119548	R3KJ/2012,3K	3K
R470	119346	R10J/2012,10	10
R471	119362	R1KJ/2012,1K	1K
R472	119362	R1KJ/2012,1K	1K
R473	119362	R1KJ/2012,1K	1K
R474	119362	R1KJ/2012,1K	1K
R475	119630	R47KJ/2012,47K	47K
R476	119531	R27KJ/2012,27K	27K
R477	119367	R10KJ/2012,10K	10K
R478	119346	R10J/2012,10	10
R479	119346	R10J/2012,10	10
R480	119346	R10J/2012,10	10
R481	119346	R10J/2012,10	10
R482	119670	R560J/2012,560	560
R483	119362	R1KJ/2012,1K	1K
R484	119625	R4.7KJ/2012,4.7K	4.7K
R485	119625	R4.7KJ/2012,4.7K	4.7K
R486	119625	R4.7KJ/2012,4.7K	4.7K
R491	119510	R2.2J/2012,2.2	2.2
R492	119510	R2.2J/2012,2.2	2.2
R493	104745	R25J/5W/CE,25	25
R494	104745	R25J/5W/CE,25	25
R495	104745	R25J/5W/CE,25	25
R496	104745	R25J/5W/CE,25	25
R501	119502	R220KJ/2012,220K	220K
R503	119367	R10KJ/2012,10K	10K
R504	119707	R6.8KJ/2012,6.8K	6.8K
R505	119625	R4.7KJ/2012,4.7K	4.7K
R506	119401	R12KJ/2012,12K	12K
R507	119445	R16KJ/2012,16K	16K
R508	119497	R2.2KJ/2012,2.2K	2.2K
R509	119580	R33KJ/2012,33K	33K
R510	119576	R3.3KJ/2012,3.3K	3.3K
R511	119428	R15KJ/2012,15K	15K
R512	119701	R680J/2012,680	680
R513	104518	R10J/2W/MO/T,10 2W	10 2W
R514	104518	R10J/2W/MO/T,10 2W	10 2W
R515	119605	R3.9KJ/2012,3.9K	3.9K
R516	119476	R20KJ/2012,20K	20K
R517	119608	R39KJ/2012,39K	39K

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
R521	119370	R100KJ/2012,100K	100K
R522	n.a	R22KJ/2012,n.a	n.a
R523	119455	R1.8KJ/2012,1.8K	1.8K
R524	119428	R15KJ/2012,15K	15K
R525	119655	R5.1KJ/2012,5.1K	5.1K
R526	119655	R5.1KJ/2012,5.1K	5.1K
R527	119576	R3.3KJ/2012,3.3K	3.3K
R528	119576	R3.3KJ/2012,3.3K	3.3K
R529	119370	R100KJ/2012,100K	100K
R530	n.a	R22KJ/2012,n.a	n.a
R531	119455	R1.8KJ/2012,1.8K	1.8K
R532	119428	R15KJ/2012,15K	15K
R533	119655	R5.1KJ/2012,5.1K	5.1K
R534	119655	R5.1KJ/2012,5.1K	5.1K
R536	104607	R2.2J/2W/MF/T,2.2 2W	2.2 2W
R537	119367	R10KJ/2012,10K	10K
R538	119707	R6.8KJ/2012,6.8K	6.8K
R539	119424	R1.5KJ/2012,1.5K	1.5K
R540	119367	R10KJ/2012,10K	10K
R541	119435	R150KJ/2012,150K	150K
R542	119435	R150KJ/2012,150K	150K
R543	119630	R47KJ/2012,47K	47K
R544	119716	R680KJ/2012,680K	680K
R545	119947	R2.4KJ/MF/2012,2.4K	2.4K
R546	119630	R47KJ/2012,47K	47K
R601	119455	R1.8KJ/2012,1.8K	1.8K
R602	119455	R1.8KJ/2012,1.8K	1.8K
R603	119747	R8.2KJ/2012,8.2K	8.2K
R604	119747	R8.2KJ/2012,8.2K	8.2K
R605	119367	R10KJ/2012,10K	10K
R606	119367	R10KJ/2012,10K	10K
R607	119630	R47KJ/2012,47K	47K
R611	119527	R2.7KJ/2012,2.7K	2.7K
R612	119527	R2.7KJ/2012,2.7K	2.7K
R613	119527	R2.7KJ/2012,2.7K	2.7K
R614	119527	R2.7KJ/2012,2.7K	2.7K
R621	119625	R4.7KJ/2012,4.7K	4.7K
R622	119630	R47KJ/2012,47K	47K
R623	119625	R4.7KJ/2012,4.7K	4.7K
R624	119630	R47KJ/2012,47K	47K
R625	119625	R4.7KJ/2012,4.7K	4.7K
R626	119630	R47KJ/2012,47K	47K
R627	119625	R4.7KJ/2012,4.7K	4.7K
R628	119630	R47KJ/2012,47K	47K
R631	119527	R2.7KJ/2012,2.7K	2.7K
R632	119527	R2.7KJ/2012,2.7K	2.7K
R633	119527	R2.7KJ/2012,2.7K	2.7K
R634	119527	R2.7KJ/2012,2.7K	2.7K
R641	119625	R4.7KJ/2012,4.7K	4.7K
R642	119630	R47KJ/2012,47K	47K
R643	119625	R4.7KJ/2012,4.7K	4.7K
R644	119630	R47KJ/2012,47K	47K
R645	119625	R4.7KJ/2012,4.7K	4.7K
R646	119630	R47KJ/2012,47K	47K
R648	119630	R47KJ/2012,47K	47K
R649	119367	R10KJ/2012,10K	10K
R657	119625	R4.7KJ/2012,4.7K	4.7K
R801	119346	R10J/2012,10	10
R802	n.a	R10J/2012,n.a	n.a
R807	119346	R10J/2012,10	10
R808	n.a	R10J/2012,n.a	n.a
R813	119346	R10J/2012,10	10
R814	n.a	R10J/2012,n.a	n.a
R819	119346	R10J/2012,10	10
R820	n.a	R10J/2012,n.a	n.a

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
SW1	112017	DP/KSP08P,KSP08P	KSP08P
TH201	103440	50K/20T/-20~120C/YSG-503J-L100,50K ohm	50K ohm
TP501	106871	TP/TP00325-21/T,TP00325-21	TP00325-21
TP502	106871	TP/TP00325-21/T,TP00325-21	TP00325-21
TP503	106871	TP/TP00325-21/T,TP00325-21	TP00325-21
VR601	104992	203A/09/RK09S1110011,20KA	20KA
SMPS B'D			
BD101	125866	BD/TS15P05G,TS15P05G	TS15P05G
C101	105992	MA1U275K/AC,1/275(M)	1/275(M)
C102	105992	MA1U275K/AC,1/275(M)	1/275(M)
C103	131849	CE3300P400M/AC,3300P400	3300P400
C104	131849	CE3300P400M/AC,3300P400	3300P400
C105	105992	MA1U275K/AC,1/275(M)	1/275(M)
C106	132383	EC2700U200M/TLS,2700/200	2700/200
C107	132383	EC2700U200M/TLS,2700/200	2700/200
C108	132816	EC10U450M/NFC,10/450	10/450
C109	105511	EC47U50M/SG/T,47/50	47/50
C110	120421	CE0.1U50K/2012,0.1U	0.1U
C111	120348	CE4.7U16M/3216,4.7/16	4.7/16
C112	120421	CE0.1U50K/2012,0.1U	0.1U
C113	105508	EC47U25M/RG/T,47/25	47/25
C114	105508	EC47U25M/RG/T,47/25	47/25
C115	120421	CE0.1U50K/2012,0.1U	0.1U
C116	138474	CE2200P250M/AC,2200P250	2200P250
C199	125720	CE2200P400M/SD,2200P	2200P
C201	120251	CE1U50Z/2012,1U	1U
C202	127711	EC10U50M/NXB/T,10/50	10/50
C203	120315	CE0.47U50Z/2012,0.47U	0.47U
C204	120298	CE3300P50J/2012,3300P	3300P
C205	120421	CE0.1U50K/2012,0.1U	0.1U
C206	105462	EC22U25M/RG/T,22/25	22/25
C207	120421	CE0.1U50K/2012,0.1U	0.1U
C208	120251	CE1U50Z/2012,1U	1U
C209	130523	CE220P1KK/Y5R,220P1K	220P1K
C210	130523	CE220P1KK/Y5R,220P1K	220P1K
C211	138352	MA0.03U630J/PCMP,0.03/630(M)	0.03/630(M)
C212	138352	MA0.03U630J/PCMP,0.03/630(M)	0.03/630(M)
C214	128364	CE100P1KK/Y5P/T,100P	100P
C215	n.a	CE0.1U50K/2012,n.a	n.a
C217	n.a	CE0.1U50K/2012,n.a	n.a
C220	120315	CE0.47U50Z/2012,0.47U	0.47U
C221	120251	CE1U50Z/2012,1U	1U
C222	120421	CE0.1U50K/2012,0.1U	0.1U
C241	120251	CE1U50Z/2012,1U	1U
C246	120421	CE0.1U50K/2012,0.1U	0.1U
C247	105445	EC1U50M/SHL/T,1/50	1/50
C261	120391	CE470P50J/2012,470P	470P
C289	129534	CE0.01U250J/3216,0.01U250	0.01U250
C299	125720	CE2200P400M/SD,2200P	2200P
C303	133137	EC4700U50M/RDC,4700/50	4700/50
C304	133137	EC4700U50M/RDC,4700/50	4700/50
C305	133137	EC4700U50M/RDC,4700/50	4700/50
C306	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C311	120315	CE0.47U50Z/2012,0.47U	0.47U
C312	120235	CE0.001U50J/2012,0.001U	0.001U
C313	n.a	CE1U50Z/2012,n.a	n.a
C321	105508	EC47U25M/RG/T,47/25	47/25
C322	120421	CE0.1U50K/2012,0.1U	0.1U
C399	120421	CE0.1U50K/2012,0.1U	0.1U
C401	105511	EC47U50M/SG/T,47/50	47/50
C402	120421	CE0.1U50K/2012,0.1U	0.1U
C403	131410	CE220P630J/3216,220P630	220P630
C404	105511	EC47U50M/SG/T,47/50	47/50
C423	125212	CE0.1U100K/3216,0.1U100	0.1U100

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
C425	120251	CE1U50Z/2012,1U	1U
C428	120421	CE0.1U50K/2012,0.1U	0.1U
C429	125212	CE0.1U100K/3216,0.1U100	0.1U100
C441	120251	CE1U50Z/2012,1U	1U
C499	120421	CE0.1U50K/2012,0.1U	0.1U
C501	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
CN1	110496	06P/B6P-VH/3.96,B6PVH-06P	B6PVH-06P
CN101	110493	02P/B3P-VH/7.92,B3PVH-02P	B3PVH-02P
CN2	111360	05P/LW-5267/2.5,LW5267-05P	LW5267-05P
D101	132384	SD/US1M/SMA,US1M	US1M
D102	119202	D/MURS160T3/DO214AA,MURS160T3	MURS160T3
D104	119202	D/MURS160T3/DO214AA,MURS160T3	MURS160T3
D105	119210	ZD/10V/BZX84C/SOT23,10V	10V
D106	119190	D/BAS21/SOT23,BAS21	BAS21
D201	129532	D/ES3G/DO214AB,ES3G	ES3G
D202	125880	SD/SS16/SMA,SS16	SS16
D203	125880	SD/SS16/SMA,SS16	SS16
D204	136583	ZD/18V/MMBZ5248B/SOT23,18V	18V
D205	136583	ZD/18V/MMBZ5248B/SOT23,18V	18V
D206	119196	D/BAV99/SOT23,BAV99	BAV99
D207	119190	D/BAS21/SOT23,BAS21	BAS21
D208	n.a	D/BAS21/SOT23,n.a	n.a
D209	n.a	D/KDS184/SOT23,n.a	n.a
D308	132384	SD/US1M/SMA,US1M	US1M
D309	132384	SD/US1M/SMA,US1M	US1M
D310	137838	SD/STPS80150CW,STPS80150CW	STPS80150CW
D312	137838	SD/STPS80150CW,STPS80150CW	STPS80150CW
D401	119203	D/MURS120T3/SMB,MURS120T3	MURS120T3
D402	119190	D/BAS21/SOT23,BAS21	BAS21
D404	129503	ZD/8.2V/BZX84C8V2/SOT23,8.2V	8.2V
D409	136583	ZD/18V/MMBZ5248B/SOT23,18V	18V
D414	119196	D/BAV99/SOT23,BAV99	BAV99
D415	119190	D/BAS21/SOT23,BAS21	BAS21
D431	132384	SD/US1M/SMA,US1M	US1M
D441	136583	ZD/18V/MMBZ5248B/SOT23,18V	18V
D451	119190	D/BAS21/SOT23,BAS21	BAS21
D461	119190	D/BAS21/SOT23,BAS21	BAS21
D501	102676	SD/MBR4060PT,MBR4060PT	MBR4060PT
D502	119190	D/BAS21/SOT23,BAS21	BAS21
D511	119190	D/BAS21/SOT23,BAS21	BAS21
D512	119196	D/BAV99/SOT23,BAV99	BAV99
D513	119190	D/BAS21/SOT23,BAS21	BAS21
F101	111579	FUSE/GF-205B,GF-205B	GF-205B
F2	133284	ATO/30A/32V/F/UL/133284,30A/32V	30A/32V
F501	128336	FUSE/178.6165,178.6165	178.6165
HS1	143427	HS/143427/59,Heat sink	Heat sink
HS101	136380	HS/136380/60,Heat sink	Heat sink
HS201	143409	HS/143409/59,Heat sink	Heat sink
IC1	103063	7815/KA,7815	7815
IC105	132173	TOP242PN/2,TOP242PN	TOP242PN
IC201	132340	UCC25600/SOIC08P/2,UCC25600	UCC25600
IC202	132336	IR2113/SOIC16P/2,IR2113	IR2113
IC203	129542	NJM2403M/DMP08P,NJM2403M	NJM2403M
L101	125913	2.8UH/LINE/125913,2.8UH	2.8UH
L102	125913	2.8UH/LINE/125913,2.8UH	2.8UH
LD101	103263	LD/Y/3.1T/LTL1CHY021A,LTL-1CHY-021A	LTL-1CHY-021A
LD401	129977	LD/G/3T/BL-B2141-021A,BL-B2141-021A	BL-B2141-021A
LD402	129891	LD/R/3T/BL-B4541-021A,BL-B4541-021A	BL-B4541-021A
PC201	103432	PC/PC817,PC817	PC817
PC202	103432	PC/PC817,PC817	PC817
Q102	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q201	132830	NPN/BCP68/SOT223,BCP68	BCP68
Q202	132831	PNP/BCP69/SOT223,BCP69	BCP69
Q203	132830	NPN/BCP68/SOT223,BCP68	BCP68
Q204	132831	PNP/BCP69/SOT223,BCP69	BCP69

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
Q205	132801	N/IPP60R125C6/TO220,IPP60R125C6	IPP60R125C6
Q206	132801	N/IPP60R125C6/TO220,IPP60R125C6	IPP60R125C6
Q261	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q301	118643	NPN/KTC4375-Y/SOT89,KTC4375-Y	KTC4375-Y
Q401	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q402	118657	PNP/KTA1666/SOT89,KTA1666	KTA1666
Q403	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q407	118663	PNP/2N3906S/SOT23,2N3906	2N3906
Q408	118663	PNP/2N3906S/SOT23,2N3906	2N3906
Q441	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q451	118663	PNP/2N3906S/SOT23,2N3906	2N3906
Q461	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q511	118643	NPN/KTC4375-Y/SOT89,KTC4375-Y	KTC4375-Y
R100	140331	R510KJ/1/2W/MF/A,510K	510K
R101	140331	R510KJ/1/2W/MF/A,510K	510K
R102	119631	R47KJ/3216,47K	47K
R103	119631	R47KJ/3216,47K	47K
R104	119631	R47KJ/3216,47K	47K
R105	119631	R47KJ/3216,47K	47K
R106	119631	R47KJ/3216,47K	47K
R107	119631	R47KJ/3216,47K	47K
R108	119374	R1MJ/3216,1M	1M
R109	132845	R680KJ/3216,680K	680K
R110	132060	R100KJ/2W/MF/T,100K 2W	100K 2W
R111	119348	R10J/3216,10	10
R112	119487	R22J/2012,22	22
R113	119670	R560J/2012,560	560
R114	119346	R10J/2012,10	10
R115	119625	R4.7KJ/2012,4.7K	4.7K
R201	119527	R2.7KJ/2012,2.7K	2.7K
R202	119401	R12KJ/2012,12K	12K
R203	119492	R220J/2012,220	220
R204	119388	R12J/2012,12	12
R205	119388	R12J/2012,12	12
R206	119630	R47KJ/2012,47K	47K
R207	119630	R47KJ/2012,47K	47K
R208	119955	R51J/2012,51	51
R209	119955	R51J/2012,51	51
R210	119346	R10J/2012,10	10
R211	119346	R10J/2012,10	10
R212	119367	R10KJ/2012,10K	10K
R213	119367	R10KJ/2012,10K	10K
R214	104518	R10J/2W/MO/T,10 2W	10 2W
R215	104518	R10J/2W/MO/T,10 2W	10 2W
R216	119374	R1MJ/3216,1M	1M
R217	119374	R1MJ/3216,1M	1M
R218	127691	R56KJ/3216,56K	56K
R219	n.a	R47KJ/3216,n.a	n.a
R220	119499	R22KJ/2012,22K	22K
R221	119428	R15KJ/2012,15K	15K
R222	119747	R8.2KJ/2012,8.2K	8.2K
R229	104334	R470KJ/A,470K	470K
R230	104334	R470KJ/A,470K	470K
R231	119462	R18KJ/2012,18K	18K
R232	119548	R3KJ/2012,3K	3K
R233	119362	R1KJ/2012,1K	1K
R234	119373	R1MJ/2012,1M	1M
R235	119476	R20KJ/2012,20K	20K
R236	119367	R10KJ/2012,10K	10K
R237	119401	R12KJ/2012,12K	12K
R241	119476	R20KJ/2012,20K	20K
R242	119367	R10KJ/2012,10K	10K
R243	119367	R10KJ/2012,10K	10K
R244	119367	R10KJ/2012,10K	10K
R245	119401	R12KJ/2012,12K	12K

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
R246	119362	R1KJ/2012,1K	1K
R247	119377	R10MJ/2012,10M	10M
R261	119353	R100J/2012,100	100
R262	119367	R10KJ/2012,10K	10K
R263	119576	R3.3KJ/2012,3.3K	3.3K
R264	119580	R33KJ/2012,33K	33K
R301	104537	R10KJ/2W/MO/T,10K 2W	10K 2W
R312	119462	R18KJ/2012,18K	18K
R313	119707	R6.8KJ/2012,6.8K	6.8K
R314	119947	R2.4KJ/MF/2012,2.4K	2.4K
R316	119689	R6.2KJ/2012,6.2K	6.2K
R317	119625	R4.7KJ/2012,4.7K	4.7K
R318	119625	R4.7KJ/2012,4.7K	4.7K
R321	119576	R3.3KJ/2012,3.3K	3.3K
R322	119580	R33KJ/2012,33K	33K
R398	119334	R0J/2012,0	0
R399	104227	R0J/A,0	0
R401	104454	R10J/1W/MF/T,10 1W	10 1W
R402	119370	R100KJ/2012,100K	100K
R403	119370	R100KJ/2012,100K	100K
R404	119580	R33KJ/2012,33K	33K
R405	119499	R22KJ/2012,22K	22K
R406	119625	R4.7KJ/2012,4.7K	4.7K
R407	119367	R10KJ/2012,10K	10K
R411	119499	R22KJ/2012,22K	22K
R412	119502	R220KJ/2012,220K	220K
R421	119625	R4.7KJ/2012,4.7K	4.7K
R423	119367	R10KJ/2012,10K	10K
R424	119462	R18KJ/2012,18K	18K
R427	119630	R47KJ/2012,47K	47K
R431	132848	R330J/3216,330	330
R432	132848	R330J/3216,330	330
R433	119393	R120J/2012,120	120
R434	119499	R22KJ/2012,22K	22K
R441	119630	R47KJ/2012,47K	47K
R451	119625	R4.7KJ/2012,4.7K	4.7K
R452	119630	R47KJ/2012,47K	47K
R461	119367	R10KJ/2012,10K	10K
R462	119625	R4.7KJ/2012,4.7K	4.7K
R463	119630	R47KJ/2012,47K	47K
R499	119348	R10J/3216,10	10
R511	119499	R22KJ/2012,22K	22K
R512	119492	R220J/2012,220	220
R513	119497	R2.2KJ/2012,2.2K	2.2K
R514	119367	R10KJ/2012,10K	10K
R515	119462	R18KJ/2012,18K	18K
R545	119367	R10KJ/2012,10K	10K
RL101	136925	24V/881H-1AH-C/S2L1/2,24V	24V
T101	138351	ST/138351,138351	138351
T201	137782	PT/137782,137782	137782
TER101	111903	TER/250/01V/111903,250T	250T
TER102	111903	TER/250/01V/111903,250T	250T
TER501	111903	TER/250/01V/111903,250T	250T
TER502	111903	TER/250/01V/111903,250T	250T
TH101	133656	20/MJ/8A/194T/MS32-20008,20 ohm	20 ohm
TP101	106871	TP/TP00325-21/T,TP00325-21	TP00325-21
TP102	106871	TP/TP00325-21/T,TP00325-21	TP00325-21
TP103	106871	TP/TP00325-21/T,TP00325-21	TP00325-21
TP104	106871	TP/TP00325-21/T,TP00325-21	TP00325-21
TP302	106871	TP/TP00325-21/T,TP00325-21	TP00325-21
TP307	106871	TP/TP00325-21/T,TP00325-21	TP00325-21
TP401	106871	TP/TP00325-21/T,TP00325-21	TP00325-21
U301	125843	KIA431AF/SOT89,KIA431AF	KIA431AF
VAR101	134443	ZNR/391/INR20D391BS,390V	390V 1) Power
S/W B'D			

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
Front B'D			
1) Power S/W B'D			
AN901	139631	05P/ASSY/2.5/250MM/133349,ASS'Y-05P	ASS'Y-05P
CN901	111360	05P/LW-5267/2.5,LW5267-05P	LW5267-05P
SW901	112158	PU/JPP011-97CAS34,JPP 1197CAS34	JPP 1197CAS34
2) STBY LED B'D			
AN902	133349	05P/ASSY/2.5/250MM/133349,ASS'Y-05P	ASS'Y-05P
C901	120421	CE0.1U50K/2012,0.1U	0.1U
D901	119196	D/BAV99/SOT23,BAV99	BAV99
D902	119196	D/BAV99/SOT23,BAV99	BAV99
D903	119196	D/BAV99/SOT23,BAV99	BAV99
LD901	126148	LD/B/3T/SLB1381N-UZ,SLB1381N-UZ	SLB1381N-UZ
LD902	130018	LD/G/3.1T/BL-B2141,BL-B2141-AA-AV-T05	BL-B2141-AA-AV-T05
LD903	130016	LD/Y/3T/BL-3141-AA-AV,BL-3141-AA-AV	BL-3141-AA-AV
LD904	130018	LD/G/3.1T/BL-B2141,BL-B2141-AA-AV-T05	BL-B2141-AA-AV-T05
LIM901	114985	LIMITER/5.5/8/114985,8mm	8mm
LIM902	114982	LIMITER/5.5/11.5/114982,11.5mm	11.5mm
LIM903	114982	LIMITER/5.5/11.5/114982,11.5mm	11.5mm
LIM904	114982	LIMITER/5.5/11.5/114982,11.5mm	11.5mm
Q901	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
Q902	118663	PNP/2N3906S/SOT23,2N3906S	2N3906S
R901	119620	R470J/2012,470	470
R902	119495	R2.2KF/3216,2.2K 1%	2.2K 1%
R903	119495	R2.2KF/3216,2.2K 1%	2.2K 1%
R904	119393	R120J/2012,120	120
R905	119499	R22KJ/2012,22K	22K
3) CH1-4 Front B'D			
C101	120348	CE4.7U16M/3216,4.7/16	4.7/16
C102	120251	CE1U50Z/2012,1U	1U
C103	120251	CE1U50Z/2012,1U	1U
C104	120251	CE1U50Z/2012,1U	1U
C105	120348	CE4.7U16M/3216,4.7/16	4.7/16
C106	120251	CE1U50Z/2012,1U	1U
C107	120251	CE1U50Z/2012,1U	1U
C108	120251	CE1U50Z/2012,1U	1U
C111	120421	CE0.1U50K/2012,0.1U	0.1U
C112	120421	CE0.1U50K/2012,0.1U	0.1U
C113	120421	CE0.1U50K/2012,0.1U	0.1U
C114	120421	CE0.1U50K/2012,0.1U	0.1U
C115	120421	CE0.1U50K/2012,0.1U	0.1U
C116	120421	CE0.1U50K/2012,0.1U	0.1U
C201	120348	CE4.7U16M/3216,4.7/16	4.7/16
C202	120251	CE1U50Z/2012,1U	1U
C203	120251	CE1U50Z/2012,1U	1U
C204	120251	CE1U50Z/2012,1U	1U
C205	120348	CE4.7U16M/3216,4.7/16	4.7/16
C206	120251	CE1U50Z/2012,1U	1U
C207	120251	CE1U50Z/2012,1U	1U
C208	120251	CE1U50Z/2012,1U	1U
C211	120421	CE0.1U50K/2012,0.1U	0.1U
C212	120421	CE0.1U50K/2012,0.1U	0.1U
C213	120421	CE0.1U50K/2012,0.1U	0.1U
C214	120421	CE0.1U50K/2012,0.1U	0.1U
C215	120421	CE0.1U50K/2012,0.1U	0.1U
C216	120421	CE0.1U50K/2012,0.1U	0.1U
CN101	122225	12P/53015/2,53015-12P	53015-12P
CN201	111339	12P/53014/2,53014-12P	53014-12P
D101	119190	D/BAS21/SOT23,BAS21	BAS21
D102	119190	D/BAS21/SOT23,BAS21	BAS21
D103	119190	D/BAS21/SOT23,BAS21	BAS21
D104	119190	D/BAS21/SOT23,BAS21	BAS21
D201	119190	D/BAS21/SOT23,BAS21	BAS21
D202	119190	D/BAS21/SOT23,BAS21	BAS21

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
D203	119190	D/BAS21/SOT23,BAS21	BAS21
D204	119190	D/BAS21/SOT23,BAS21	BAS21
IC101	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC102	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC103	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC201	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC202	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC203	118730	NJM072M/DMP08P,NJM072M	NJM072M
LD101	130293	LD/Y/1608/BL-HKB36A,BL-HKB36A	BL-HKB36A
LD102	130295	LD/G/1608/BL-HGK36A	BL-HGK36A
LD103	130293	LD/Y/1608/BL-HKB36A,BL-HKB36A	BL-HKB36A
LD104	130295	LD/G/1608/BL-HGK36A	BL-HGK36A
LD105	129968	LD/R/1608/BL-HUE36A,BL-HUE36A	BL-HUE36A
LD106	129968	LD/R/1608/BL-HUE36A,BL-HUE36A	BL-HUE36A
LD201	130293	LD/Y/1608/BL-HKB36A,BL-HKB36A	BL-HKB36A
LD202	130295	LD/G/1608/BL-HGK36A	BL-HGK36A
LD203	130293	LD/Y/1608/BL-HKB36A,BL-HKB36A	BL-HKB36A
LD204	130295	LD/G/1608/BL-HGK36A	BL-HGK36A
LD205	129968	LD/R/1608/BL-HUE36A,BL-HUE36A	BL-HUE36A
LD206	129968	LD/R/1608/BL-HUE36A,BL-HUE36A	BL-HUE36A
Q101	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q102	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q103	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q104	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q201	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q202	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q203	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q204	118672	NPN/2N3904/SOT23,2N3904	2N3904
R101	119424	R1.5KJ/2012,1.5K	1.5K
R102	119630	R47KJ/2012,47K	47K
R103	119370	R100KJ/2012,100K	100K
R104	119401	R12KJ/2012,12K	12K
R105	119408	R1.3KJ/2012,1.3K	1.3K
R106	119362	R1KJ/2012,1K	1K
R107	119370	R100KJ/2012,100K	100K
R108	119625	R4.7KJ/2012,4.7K	4.7K
R109	119424	R1.5KJ/2012,1.5K	1.5K
R110	119497	R2.2KJ/2012,2.2K	2.2K
R111	119576	R3.3KJ/2012,3.3K	3.3K
R112	119370	R100KJ/2012,100K	100K
R113	119620	R470J/2012,470	470
R114	119370	R100KJ/2012,100K	100K
R115	119362	R1KJ/2012,1K	1K
R116	119424	R1.5KJ/2012,1.5K	1.5K
R117	119630	R47KJ/2012,47K	47K
R118	119370	R100KJ/2012,100K	100K
R119	119401	R12KJ/2012,12K	12K
R120	119408	R1.3KJ/2012,1.3K	1.3K
R121	119362	R1KJ/2012,1K	1K
R122	119370	R100KJ/2012,100K	100K
R123	119625	R4.7KJ/2012,4.7K	4.7K
R124	119424	R1.5KJ/2012,1.5K	1.5K
R125	119497	R2.2KJ/2012,2.2K	2.2K
R126	119576	R3.3KJ/2012,3.3K	3.3K
R127	119370	R100KJ/2012,100K	100K
R128	119620	R470J/2012,470	470
R129	119370	R100KJ/2012,100K	100K
R130	119362	R1KJ/2012,1K	1K
R131	119424	R1.5KJ/2012,1.5K	1.5K
R201	119424	R1.5KJ/2012,1.5K	1.5K
R202	119630	R47KJ/2012,47K	47K
R203	119370	R100KJ/2012,100K	100K
R204	119401	R12KJ/2012,12K	12K
R205	119408	R1.3KJ/2012,1.3K	1.3K
R206	119362	R1KJ/2012,1K	1K

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
R207	119370	R100KJ/2012,100K	100K
R208	119625	R4.7KJ/2012,4.7K	4.7K
R209	119424	R1.5KJ/2012,1.5K	1.5K
R210	119497	R2.2KJ/2012,2.2K	2.2K
R211	119576	R3.3KJ/2012,3.3K	3.3K
R212	119370	R100KJ/2012,100K	100K
R213	119620	R470J/2012,470	470
R214	119370	R100KJ/2012,100K	100K
R215	119362	R1KJ/2012,1K	1K
R216	119424	R1.5KJ/2012,1.5K	1.5K
R217	119630	R47KJ/2012,47K	47K
R218	119370	R100KJ/2012,100K	100K
R219	119401	R12KJ/2012,12K	12K
R220	119408	R1.3KJ/2012,1.3K	1.3K
R221	119362	R1KJ/2012,1K	1K
R222	119370	R100KJ/2012,100K	100K
R223	119625	R4.7KJ/2012,4.7K	4.7K
R224	119424	R1.5KJ/2012,1.5K	1.5K
R225	119497	R2.2KJ/2012,2.2K	2.2K
R226	119576	R3.3KJ/2012,3.3K	3.3K
R227	119370	R100KJ/2012,100K	100K
R228	119620	R470J/2012,470	470
R229	119370	R100KJ/2012,100K	100K
R230	119362	R1KJ/2012,1K	1K
R231	119424	R1.5KJ/2012,1.5K	1.5K
VR101	105055	203A/09/RK09K11N0005,20KA	20KA
VR102	105055	203A/09/RK09K11N0005,20KA	20KA
VR201	105055	203A/09/RK09K11N0005,20KA	20KA
VR202	105055	203A/09/RK09K11N0005,20KA	20KA
4) CH5-8 Front B'D			
C301	120348	CE4.7U16M/3216,4.7/16	4.7/16
C302	120251	CE1U50Z/2012,1U	1U
C303	120251	CE1U50Z/2012,1U	1U
C304	120251	CE1U50Z/2012,1U	1U
C305	120348	CE4.7U16M/3216,4.7/16	4.7/16
C306	120251	CE1U50Z/2012,1U	1U
C307	120251	CE1U50Z/2012,1U	1U
C308	120251	CE1U50Z/2012,1U	1U
C311	120421	CE0.1U50K/2012,0.1U	0.1U
C312	120421	CE0.1U50K/2012,0.1U	0.1U
C313	120421	CE0.1U50K/2012,0.1U	0.1U
C314	120421	CE0.1U50K/2012,0.1U	0.1U
C315	120421	CE0.1U50K/2012,0.1U	0.1U
C316	120421	CE0.1U50K/2012,0.1U	0.1U
C401	120348	CE4.7U16M/3216,4.7/16	4.7/16
C402	120251	CE1U50Z/2012,1U	1U
C403	120251	CE1U50Z/2012,1U	1U
C404	120251	CE1U50Z/2012,1U	1U
C405	120348	CE4.7U16M/3216,4.7/16	4.7/16
C406	120251	CE1U50Z/2012,1U	1U
C407	120251	CE1U50Z/2012,1U	1U
C408	120251	CE1U50Z/2012,1U	1U
C411	120421	CE0.1U50K/2012,0.1U	0.1U
C412	120421	CE0.1U50K/2012,0.1U	0.1U
C413	120421	CE0.1U50K/2012,0.1U	0.1U
C414	120421	CE0.1U50K/2012,0.1U	0.1U
C415	120421	CE0.1U50K/2012,0.1U	0.1U
C416	120421	CE0.1U50K/2012,0.1U	0.1U
CN301	122225	12P/53015/2,53015-12P	53015-12P
CN401	111339	12P/53014/2,53014-12P	53014-12P
D301	119190	D/BAS21/SOT23,BAS21	BAS21
D302	119190	D/BAS21/SOT23,BAS21	BAS21
D303	119190	D/BAS21/SOT23,BAS21	BAS21
D304	119190	D/BAS21/SOT23,BAS21	BAS21

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
D401	119190	D/BAS21/SOT23,BAS21	BAS21
D402	119190	D/BAS21/SOT23,BAS21	BAS21
D403	119190	D/BAS21/SOT23,BAS21	BAS21
D404	119190	D/BAS21/SOT23,BAS21	BAS21
IC301	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC302	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC303	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC401	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC402	118730	NJM072M/DMP08P,NJM072M	NJM072M
IC403	118730	NJM072M/DMP08P,NJM072M	NJM072M
LD301	130293	LD/Y/1608/BL-HKB36A,BL-HKB36A	BL-HKB36A
LD302	130295	LD/G/1608/BL-HGK36A	BL-HGK36A
LD303	130293	LD/Y/1608/BL-HKB36A,BL-HKB36A	BL-HKB36A
LD304	130295	LD/G/1608/BL-HGK36A	BL-HGK36A
LD305	129968	LD/R/1608/BL-HUE36A,BL-HUE36A	BL-HUE36A
LD306	129968	LD/R/1608/BL-HUE36A,BL-HUE36A	BL-HUE36A
LD401	130293	LD/Y/1608/BL-HKB36A,BL-HKB36A	BL-HKB36A
LD402	130295	LD/G/1608/BL-HGK36A	BL-HGK36A
LD403	130293	LD/Y/1608/BL-HKB36A,BL-HKB36A	BL-HKB36A
LD404	130295	LD/G/1608/BL-HGK36A	BL-HGK36A
LD405	129968	LD/R/1608/BL-HUE36A,BL-HUE36A	BL-HUE36A
LD406	129968	LD/R/1608/BL-HUE36A,BL-HUE36A	BL-HUE36A
Q301	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q302	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q303	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q304	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q401	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q402	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q403	118672	NPN/2N3904/SOT23,2N3904	2N3904
Q404	118672	NPN/2N3904/SOT23,2N3904	2N3904
R301	119424	R1.5KJ/2012,1.5K	1.5K
R302	119630	R47KJ/2012,47K	47K
R303	119370	R100KJ/2012,100K	100K
R304	119401	R12KJ/2012,12K	12K
R305	119408	R1.3KJ/2012,1.3K	1.3K
R306	119362	R1KJ/2012,1K	1K
R307	119370	R100KJ/2012,100K	100K
R308	119625	R4.7KJ/2012,4.7K	4.7K
R309	119424	R1.5KJ/2012,1.5K	1.5K
R310	119497	R2.2KJ/2012,2.2K	2.2K
R311	119576	R3.3KJ/2012,3.3K	3.3K
R312	119370	R100KJ/2012,100K	100K
R313	119620	R470J/2012,470	470
R314	119370	R100KJ/2012,100K	100K
R315	119362	R1KJ/2012,1K	1K
R316	119424	R1.5KJ/2012,1.5K	1.5K
R317	119630	R47KJ/2012,47K	47K
R318	119370	R100KJ/2012,100K	100K
R319	119401	R12KJ/2012,12K	12K
R320	119408	R1.3KJ/2012,1.3K	1.3K
R321	119362	R1KJ/2012,1K	1K
R322	119370	R100KJ/2012,100K	100K
R323	119625	R4.7KJ/2012,4.7K	4.7K
R324	119424	R1.5KJ/2012,1.5K	1.5K
R325	119497	R2.2KJ/2012,2.2K	2.2K
R326	119576	R3.3KJ/2012,3.3K	3.3K
R327	119370	R100KJ/2012,100K	100K
R328	119620	R470J/2012,470	470
R329	119370	R100KJ/2012,100K	100K
R330	119362	R1KJ/2012,1K	1K
R331	119424	R1.5KJ/2012,1.5K	1.5K
R401	119424	R1.5KJ/2012,1.5K	1.5K
R402	119630	R47KJ/2012,47K	47K
R403	119370	R100KJ/2012,100K	100K
R404	119401	R12KJ/2012,12K	12K

ELECTRICAL PARTS LIST

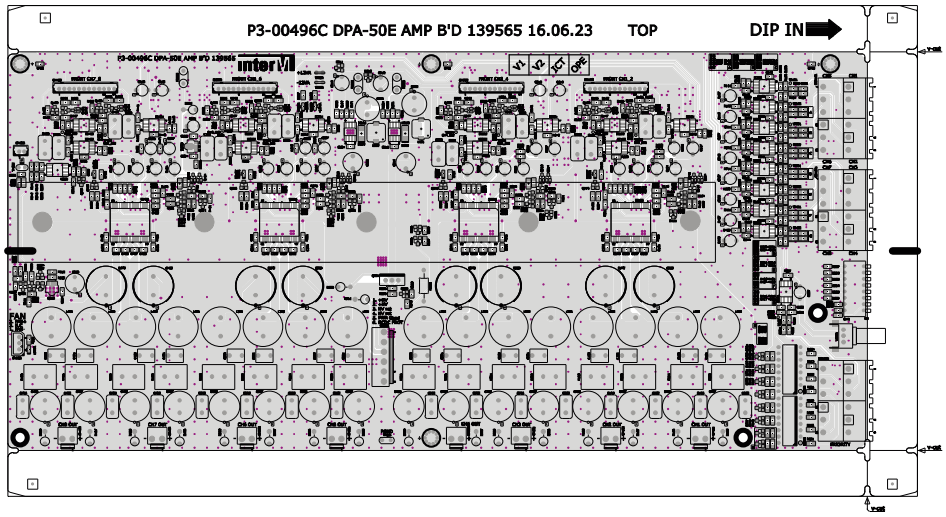
REF	ITEM NO.	DEFINE	VALUE
R405	119408	R1.3KJ/2012,1.3K	1.3K
R406	119362	R1KJ/2012,1K	1K
R407	119370	R100KJ/2012,100K	100K
R408	119625	R4.7KJ/2012,4.7K	4.7K
R409	119424	R1.5KJ/2012,1.5K	1.5K
R410	119497	R2.2KJ/2012,2.2K	2.2K
R411	119576	R3.3KJ/2012,3.3K	3.3K
R412	119370	R100KJ/2012,100K	100K
R413	119620	R470J/2012,470	470
R414	119370	R100KJ/2012,100K	100K
R415	119362	R1KJ/2012,1K	1K
R416	119424	R1.5KJ/2012,1.5K	1.5K
R417	119630	R47KJ/2012,47K	47K
R418	119370	R100KJ/2012,100K	100K
R419	119401	R12KJ/2012,12K	12K
R420	119408	R1.3KJ/2012,1.3K	1.3K
R421	119362	R1KJ/2012,1K	1K
R422	119370	R100KJ/2012,100K	100K
R423	119625	R4.7KJ/2012,4.7K	4.7K
R424	119424	R1.5KJ/2012,1.5K	1.5K
R425	119497	R2.2KJ/2012,2.2K	2.2K
R426	119576	R3.3KJ/2012,3.3K	3.3K
R427	119370	R100KJ/2012,100K	100K
R428	119620	R470J/2012,470	470
R429	119370	R100KJ/2012,100K	100K
R430	119362	R1KJ/2012,1K	1K
R431	119424	R1.5KJ/2012,1.5K	1.5K
VR301	105055	203A/09/RK09K11N0005,20KA	20KA
VR302	105055	203A/09/RK09K11N0005,20KA	20KA
VR401	105055	203A/09/RK09K11N0005,20KA	20KA
VR402	105055	203A/09/RK09K11N0005,20KA	20KA
REAR B'D			
1) Hi-Z B'D			
BK1	113528	BK/113528,Bracket	Bracket
BK2	113528	BK/113528,Bracket	Bracket
CN21	110491	03P/B3P-VH/3.96,B03PVH-03P	B03PVH-03P
CN22	110491	03P/B3P-VH/3.96,B03PVH-03P	B03PVH-03P
CN23	110491	03P/B3P-VH/3.96,B03PVH-03P	B03PVH-03P
CN24	110491	03P/B3P-VH/3.96,B03PVH-03P	B03PVH-03P
CN25	110491	03P/B3P-VH/3.96,B03PVH-03P	B03PVH-03P
CN26	110491	03P/B3P-VH/3.96,B03PVH-03P	B03PVH-03P
CN27	110491	03P/B3P-VH/3.96,B03PVH-03P	B03PVH-03P
CN28	110491	03P/B3P-VH/3.96,B03PVH-03P	B03PVH-03P
CON11	133725	TER/BL/WJ2EDGR-140-00A/06H/G/133725,TERMINAL06P	TERMINAL06P
CON12	133725	TER/BL/WJ2EDGR-140-00A/06H/G/133725,TERMINAL06P	TERMINAL06P
CON13	133725	TER/BL/WJ2EDGR-140-00A/06H/G/133725,TERMINAL06P	TERMINAL06P
CON14	133725	TER/BL/WJ2EDGR-140-00A/06H/G/133725,TERMINAL06P	TERMINAL06P
CON201	135478	TER/SC/BI-13A-1L/03H/135478,TERMINAL03P	TERMINAL03P
CON101	111737	ACIN/SS-7B-1-09,AC IN	AC IN
TER201	111903	TER/250/01V/111903,250T	250T
TER202	111903	TER/250/01V/111903,250T	250T
-	126700	CON ASS'Y,DS,1P,ST4.2,STRIP,120MM	-
2) Lo-Z B'D			
CN1	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN2	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN3	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN4	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN5	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN6	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN7	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN8	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN11	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN12	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P

ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
CN13	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN14	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN15	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN16	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN17	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN18	110492	02P/B2P-VH/3.96,B2PVH-02P	B2PVH-02P
CN101	110493	02P/B3P-VH/7.92,B3PVH-02P	B3PVH-02P
CON1	133725	TER/BL/WJ2EDGR-140-00A/06H/G/133725,TERMINAL06P	TERMINAL06P
CON2	133725	TER/BL/WJ2EDGR-140-00A/06H/G/133725,TERMINAL06P	TERMINAL06P
CON3	133725	TER/BL/WJ2EDGR-140-00A/06H/G/133725,TERMINAL06P	TERMINAL06P
CON4	133725	TER/BL/WJ2EDGR-140-00A/06H/G/133725,TERMINAL06P	TERMINAL06P
C1	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C2	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C3	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C4	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C5	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C6	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C7	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C8	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C9	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C10	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C11	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C12	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C13	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C14	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C15	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
C16	105909	MA0.1U250J/DEM/T,0.1/250(J)	0.1/250(J)
ASS'Y			
112593	120-240V	FUSE,20MM,T,3.15A,250V,K/U/CS/J	
133284	COM	DC FUSE,ATO 0287030,Blade,F,30A,32V	
139549	COM	TRANS,OPT,100V,70V,DPA-50E	
139601	COM	CON AS'Y,2P,YH396,YH396,250mm,RE,WH	
139603	COM	CON AS'Y,2P,YH396,YH396,360MM,RE,WH	
139600	COM	CON AS'Y,2P,YH396,YH396,360MM,RE,WH	
139604	COM	CON AS'Y,2P,YH396,YH396,470MM,RE,WH	
139605	COM	CON AS'Y,6P,YH396,YH396,160MM,RE,WH	
139606	COM	CON AS'Y,2P,YH396,YH396,300MM,RE,BL	
139607	COM	CON A'Y12P,51004,AWG26,480mm	
139610	COM	CON ASS'Y,DS,1P,250T,250F,520mm,RED	
139611	COM	CON ASS'Y,DS,1P,250T,250F,460MM,BLK	
114182	COM	DC FAN(3110KL-05W-B70-F04)	

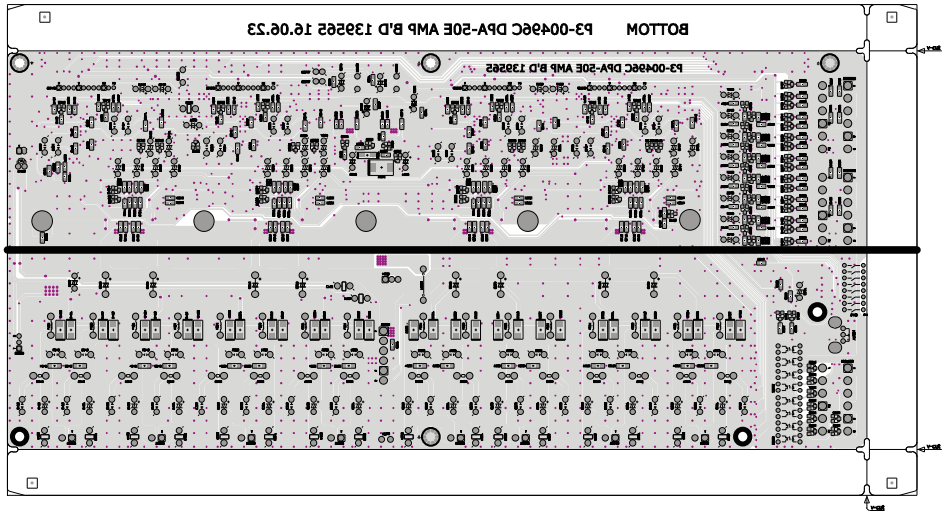
TOP & BOTTOM VIEW OF P.C BOARD

- AMP



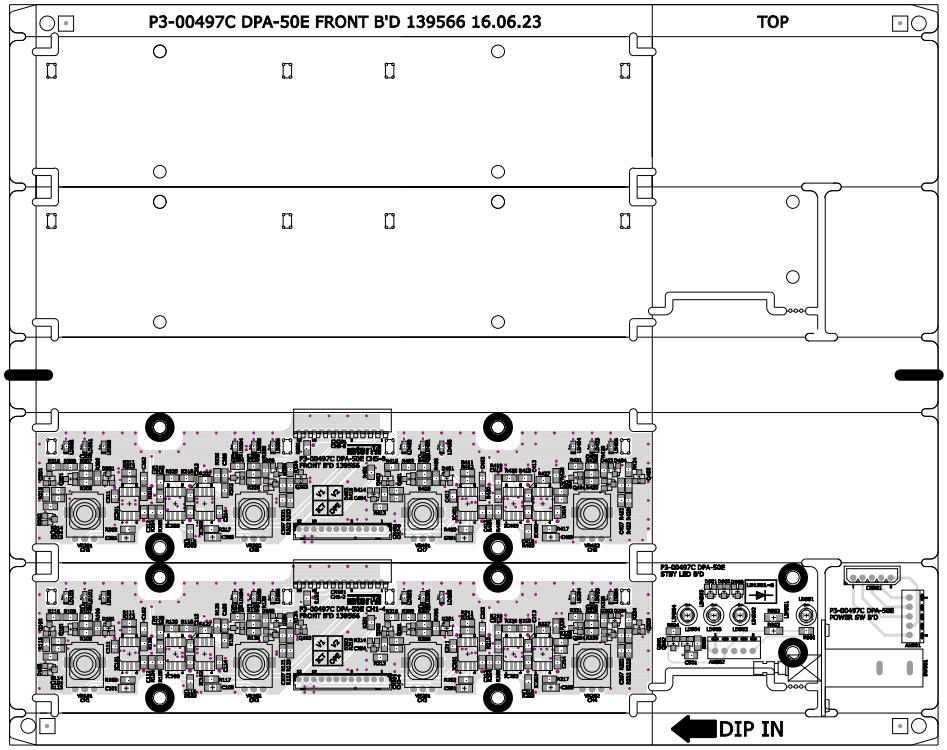
TOP & BOTTOM VIEW OF P.C BOARD

- AMP



TOP & BOTTOM VIEW OF P.C BOARD

- FRONT



SCREEN NAME	Silkscreen Top
MODEL	DPA-50E
P/O	FRONT
ITEM NO	139566
STEP	K.P
Rev.NO	-
SIZE	347 X 197
ARRAY	2pcs 1Piece
KIND	PS-4
THICKNESS	1.6 T
LAYER	8 LAYER
COPPER	1 OZ
PLATING	Ni-Tinn (PLIN)
DATE	2016.06.23
DRAWN	Kim Seon
TEL	02-2288-8235
E-mail	sunny@inter-m.com
PCB Maker	SK Tech

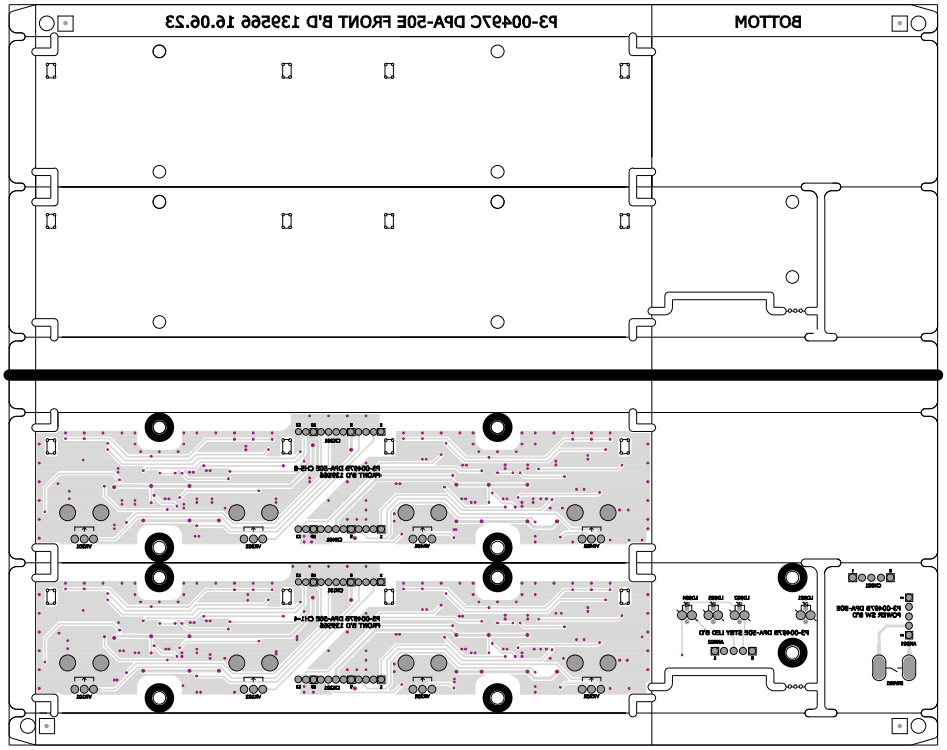
interM
http://www.inter-m.com/

REVISION HISTORY

NO	E.S	DATE 2015.11.30	Kim Seon
NO	E.E2	DATE 2016.01.06	Kim Seon
NO	P.P	DATE 2016.02.05	Kim Seon
NO	K.P	DATE 2016.06.23	Kim Seon
NO	-	DATE -	-
NO	-	DATE -	-
NO	-	DATE -	-
NO	-	DATE -	-
NO	-	DATE -	-

TOP & BOTTOM VIEW OF P.C BOARD

- FRONT



GENDER NAME	Silkscreen Bottom
MODEL	DPA-50E
I/D	FRONT
ITEM NO	139566
STEP	N.P
Rev.NO	-
SIZE	247 X 197
ARRAY	2Pair 1Piece
KIND	FR-4
THICKNESS	1.6 T
LAYER	2LAYER
COPPER	1 OZ
PLATING	Pb-free (FLUX)
DATE	2016.06.23
DRAWN	Kim Seon
TEL	02-2289-8226
E-mail	sunny@inter-m.com
PCB Maker	SK Tech

interM
http://www.inter-m.com/

REVISION HISTORY				
NO	E.S	DATE	2015.11.25	Kim Seon
NO	E.32	DATE	2016.01.08	Kim Seon
NO	P.P	DATE	2016.03.08	Kim Seon
NO	N.P	DATE	2016.06.23	Kim Seon
NO	-	DATE	-	-
NO	-	DATE	-	-
NO	-	DATE	-	-
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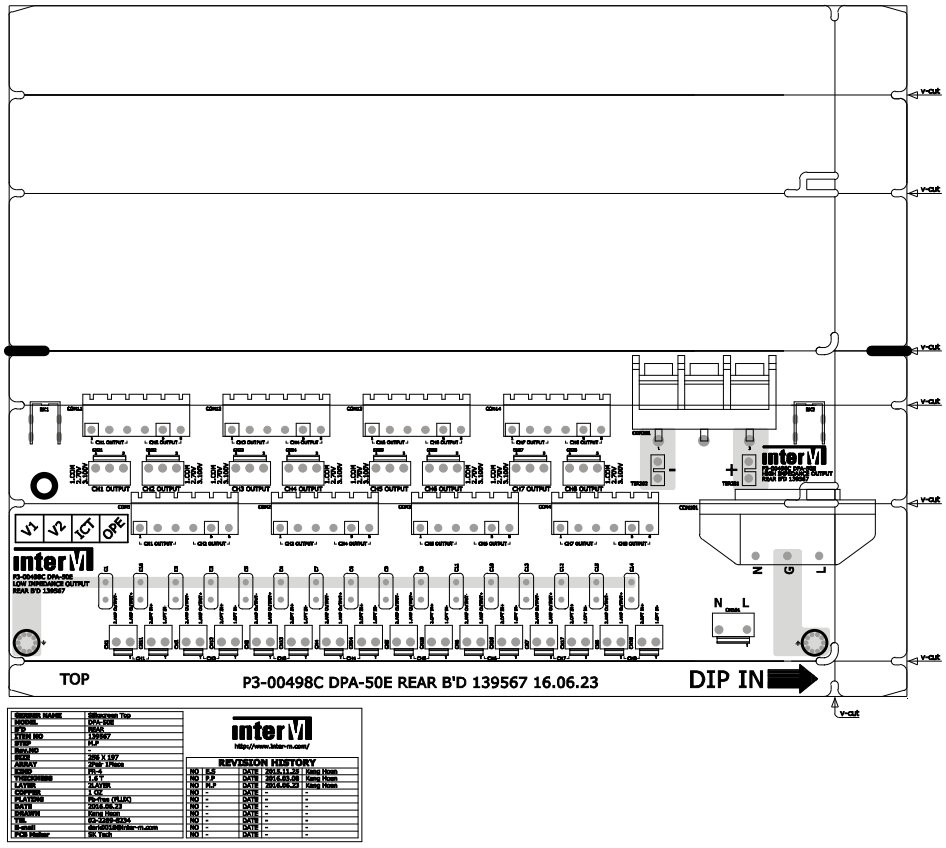
NO	-	DATE	-	-

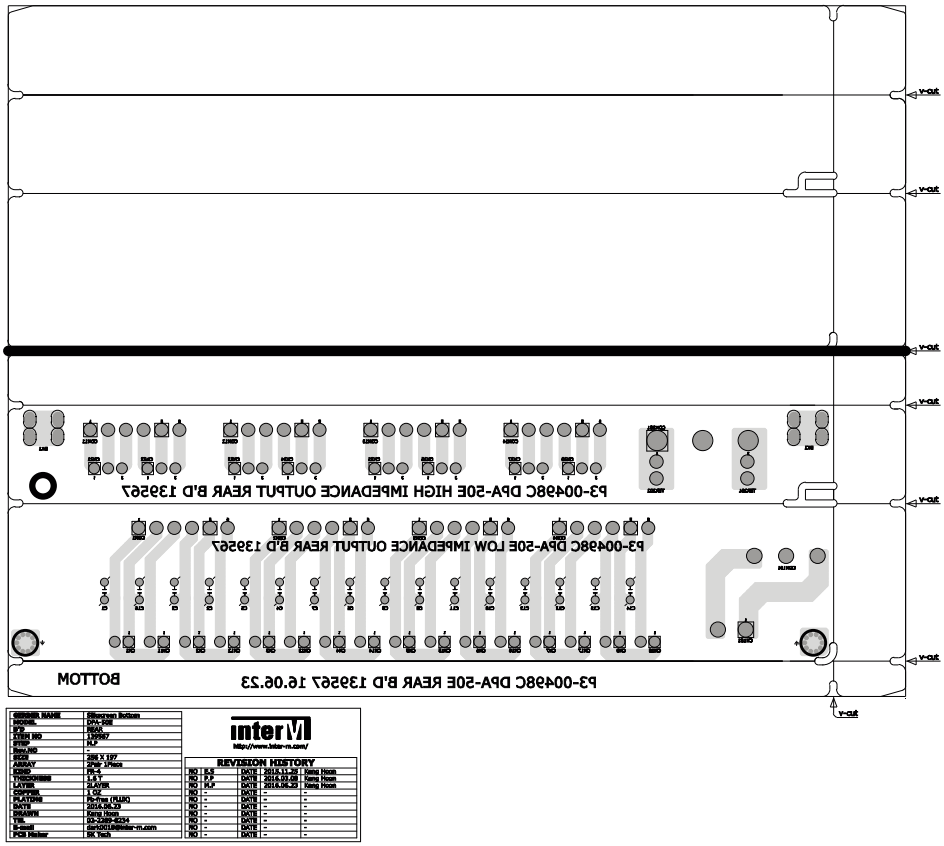
TOP & BOTTOM VIEW OF P.C BOARD

- REAR

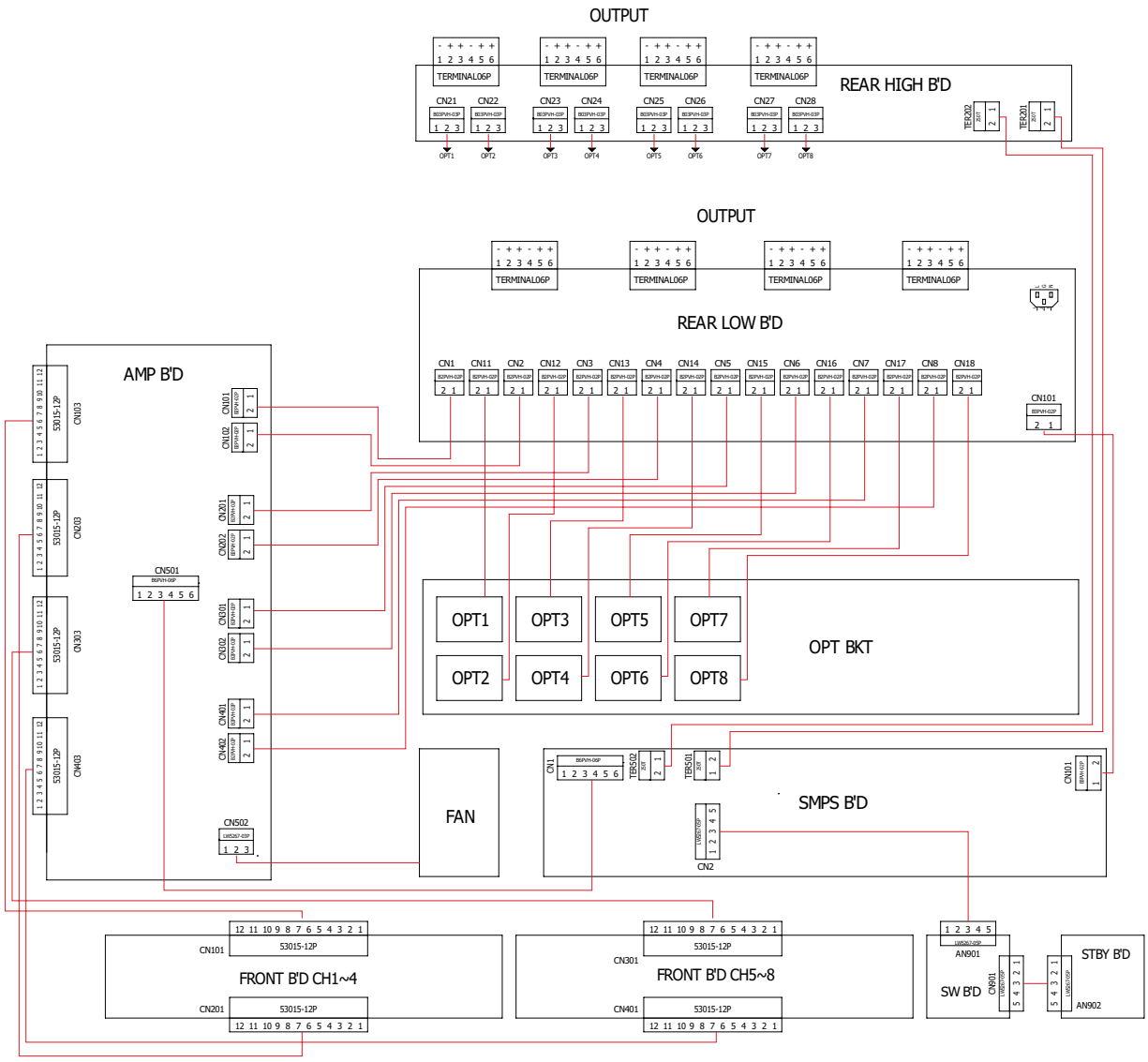


TOP & BOTTOM VIEW OF P.C BOARD

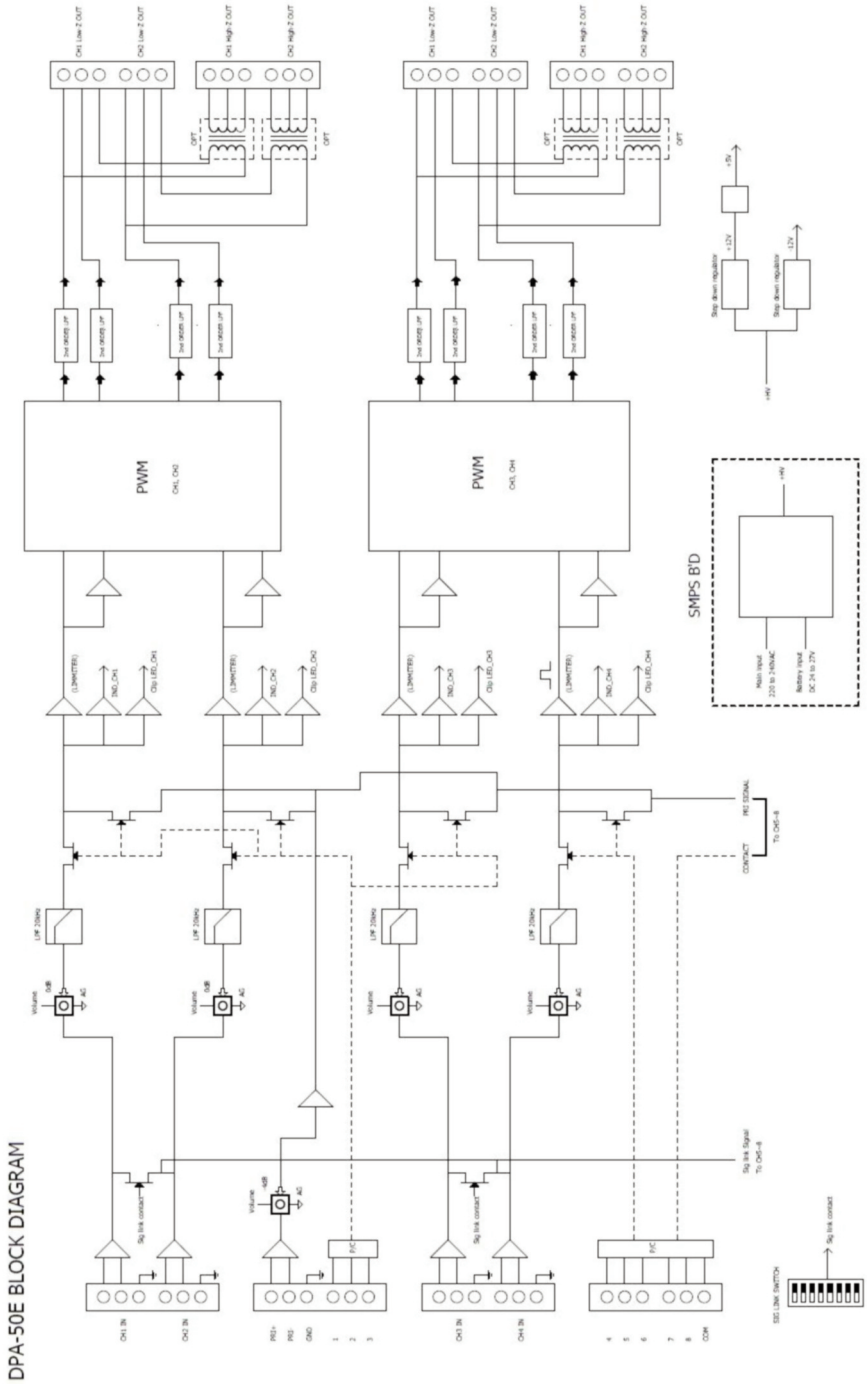
- REAR



WIRING DIAGRAM

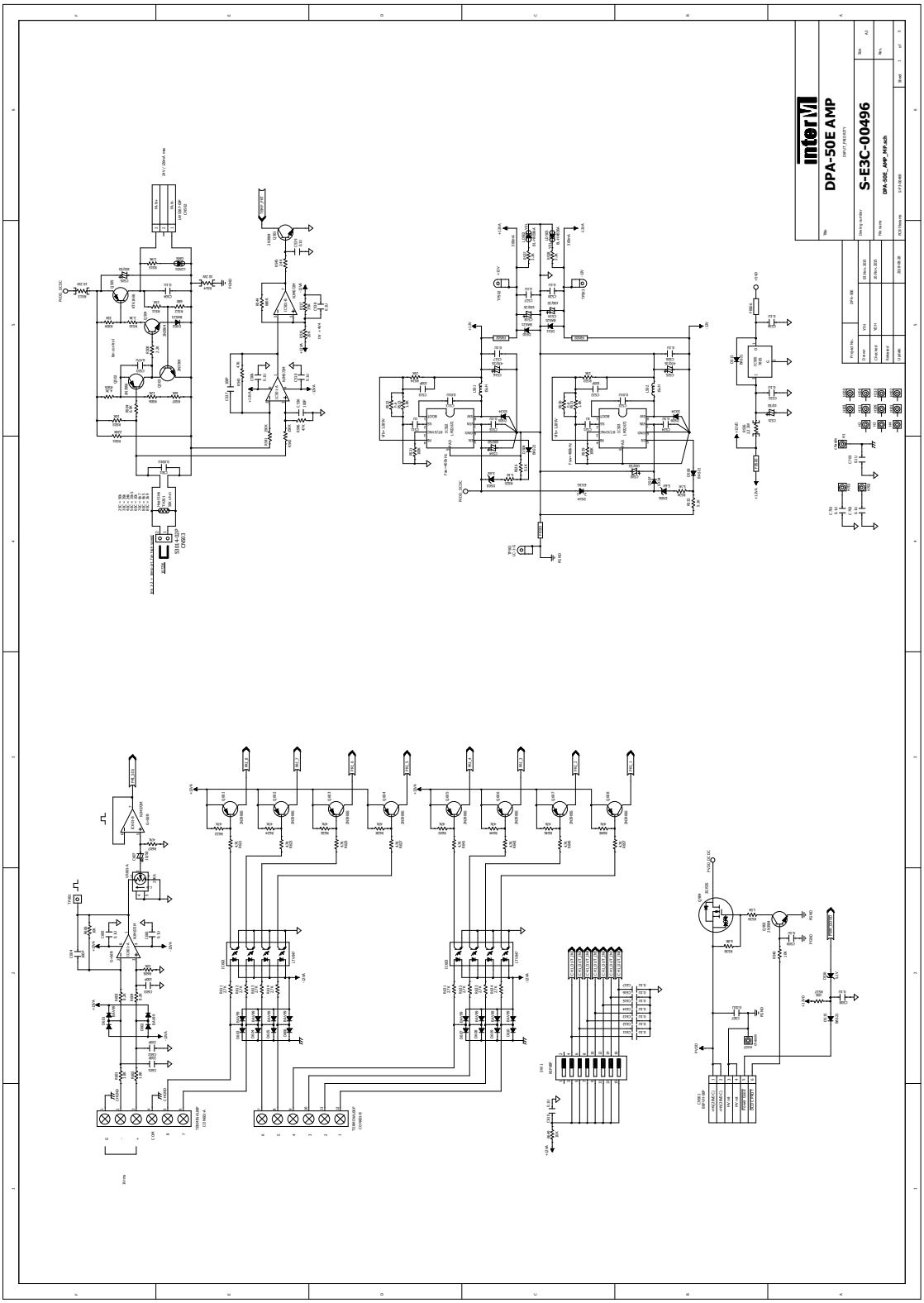


BLOCK DIAGRAM



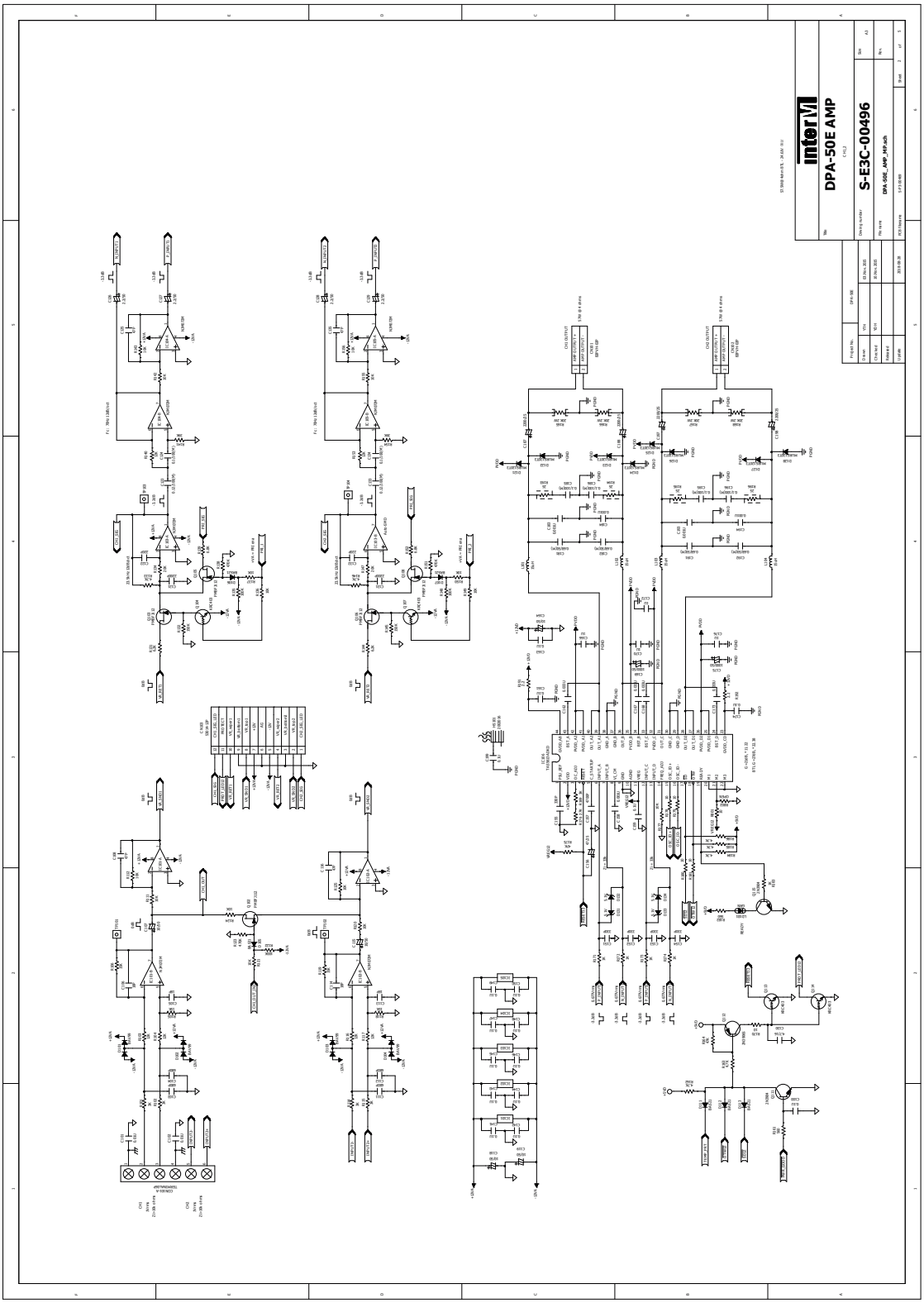
SCHEMATIC DIAGRAM

- AMP



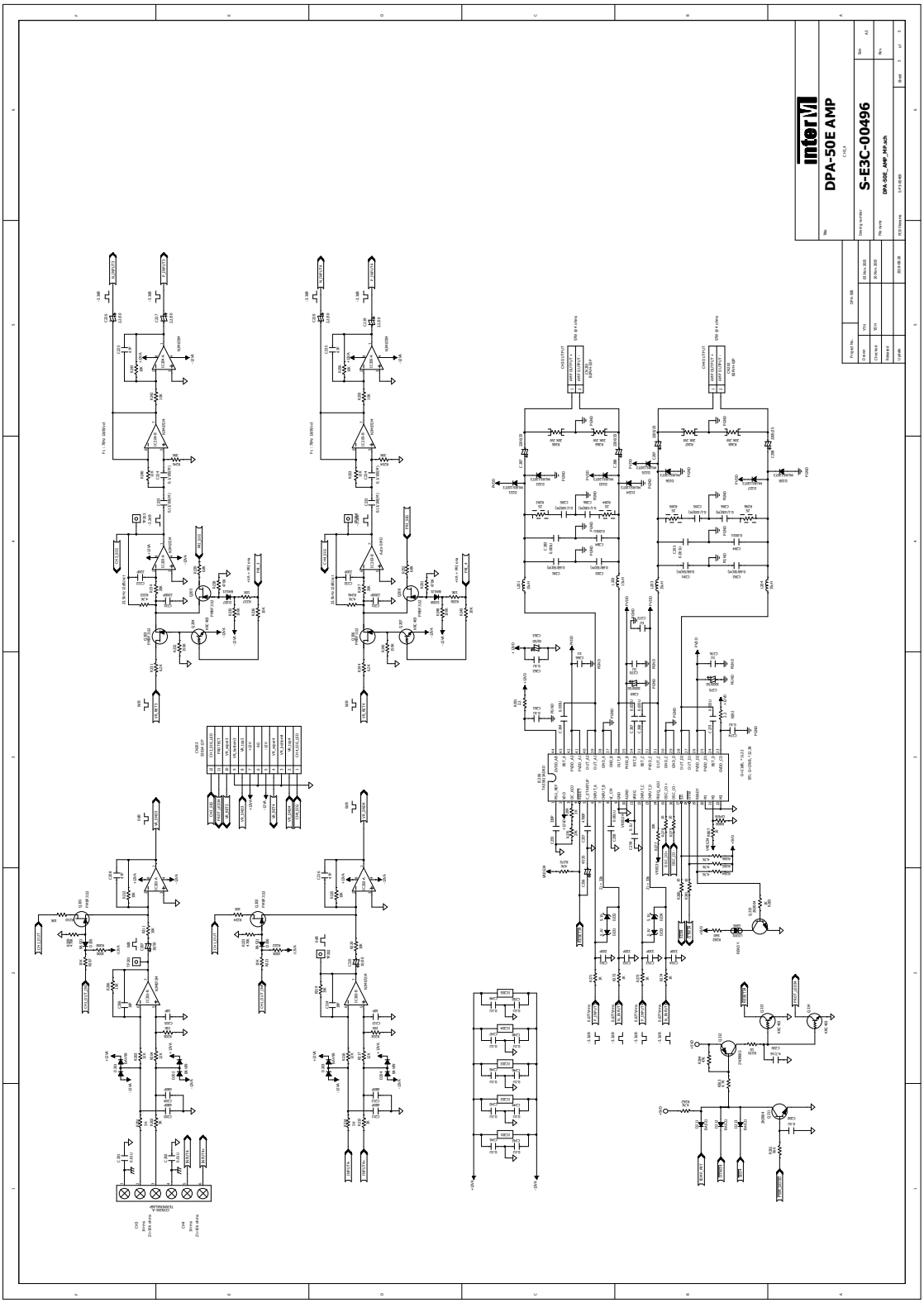
SCHEMATIC DIAGRAM

- AMP



SCHEMATIC DIAGRAM

- AMP



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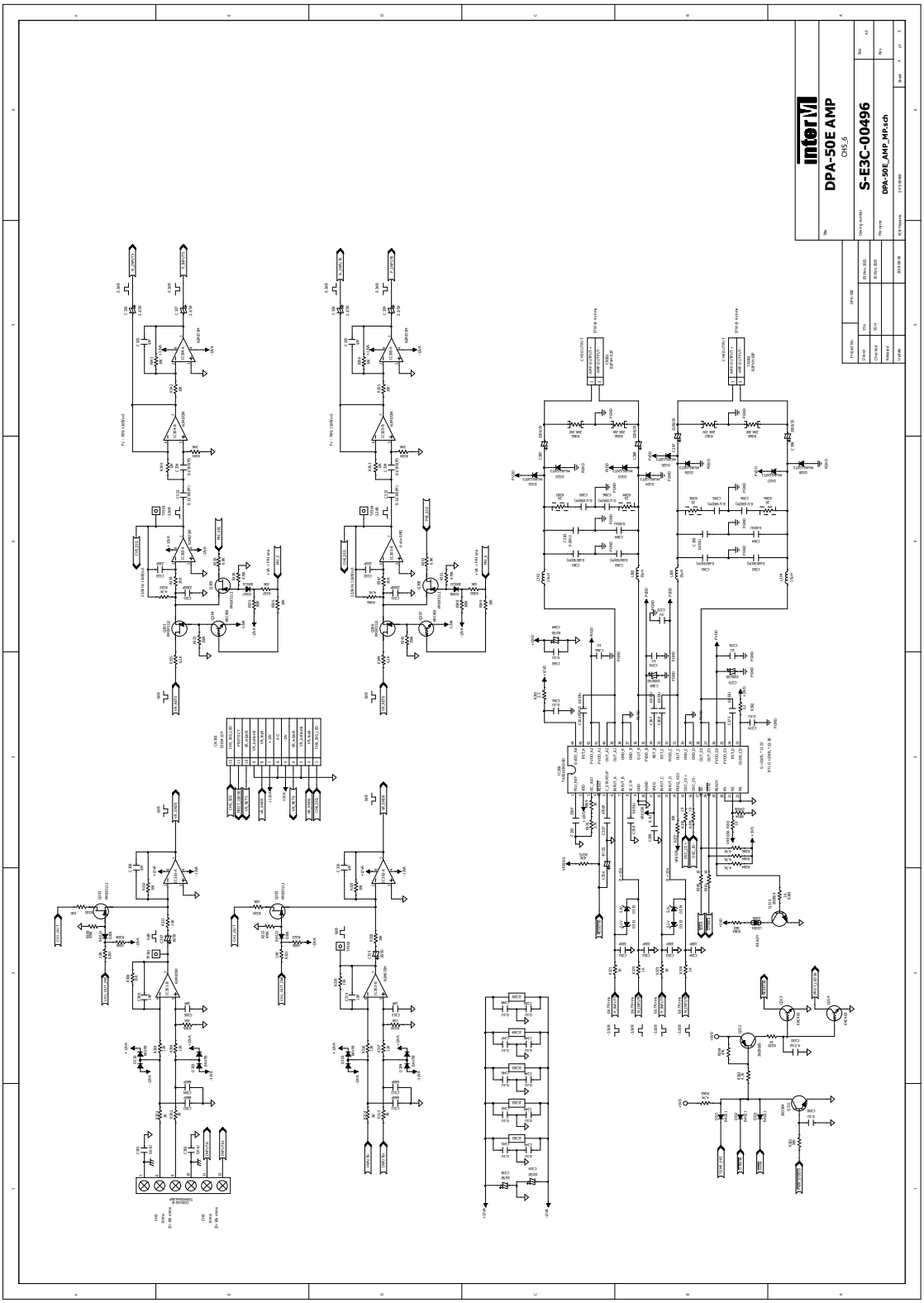
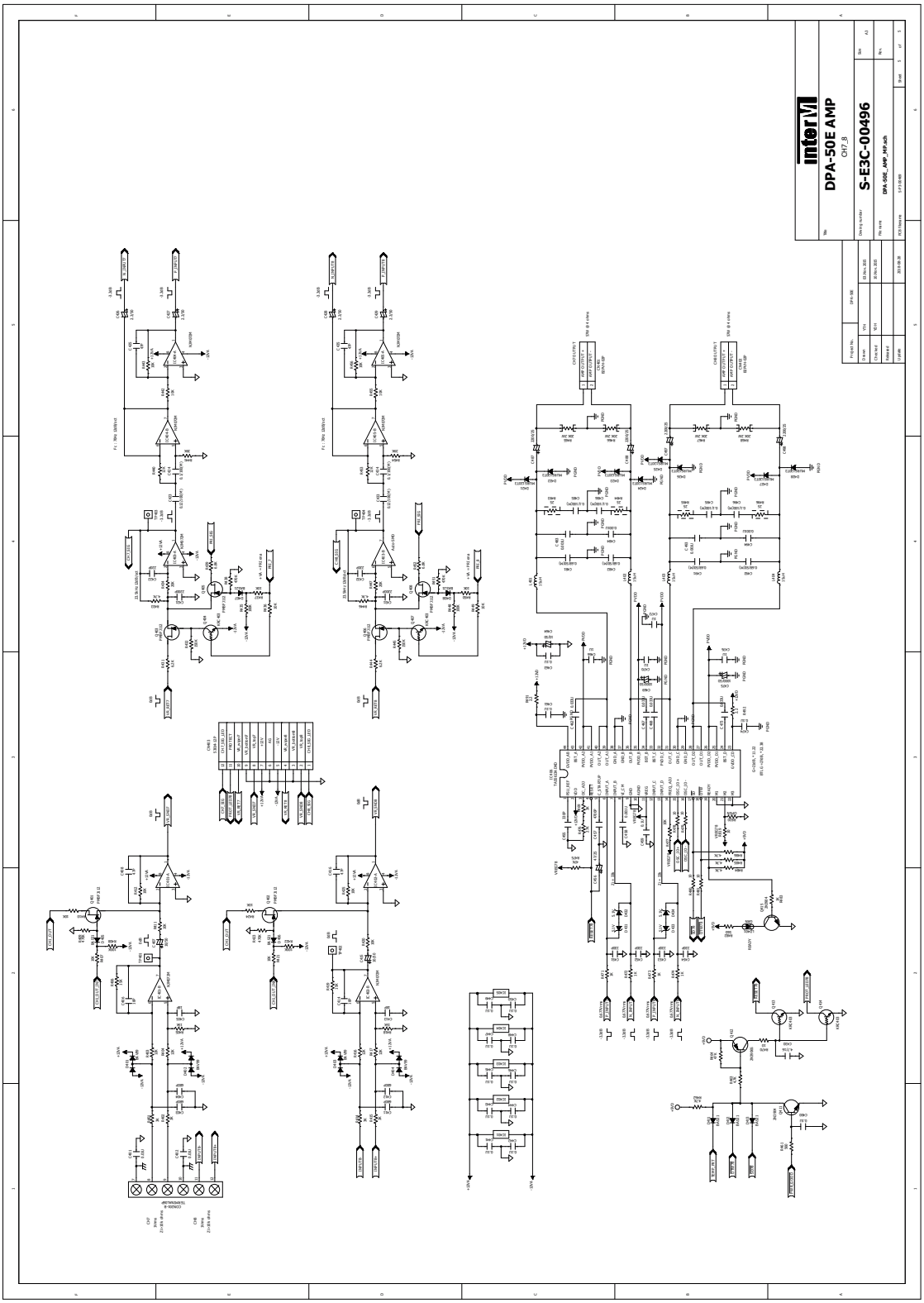


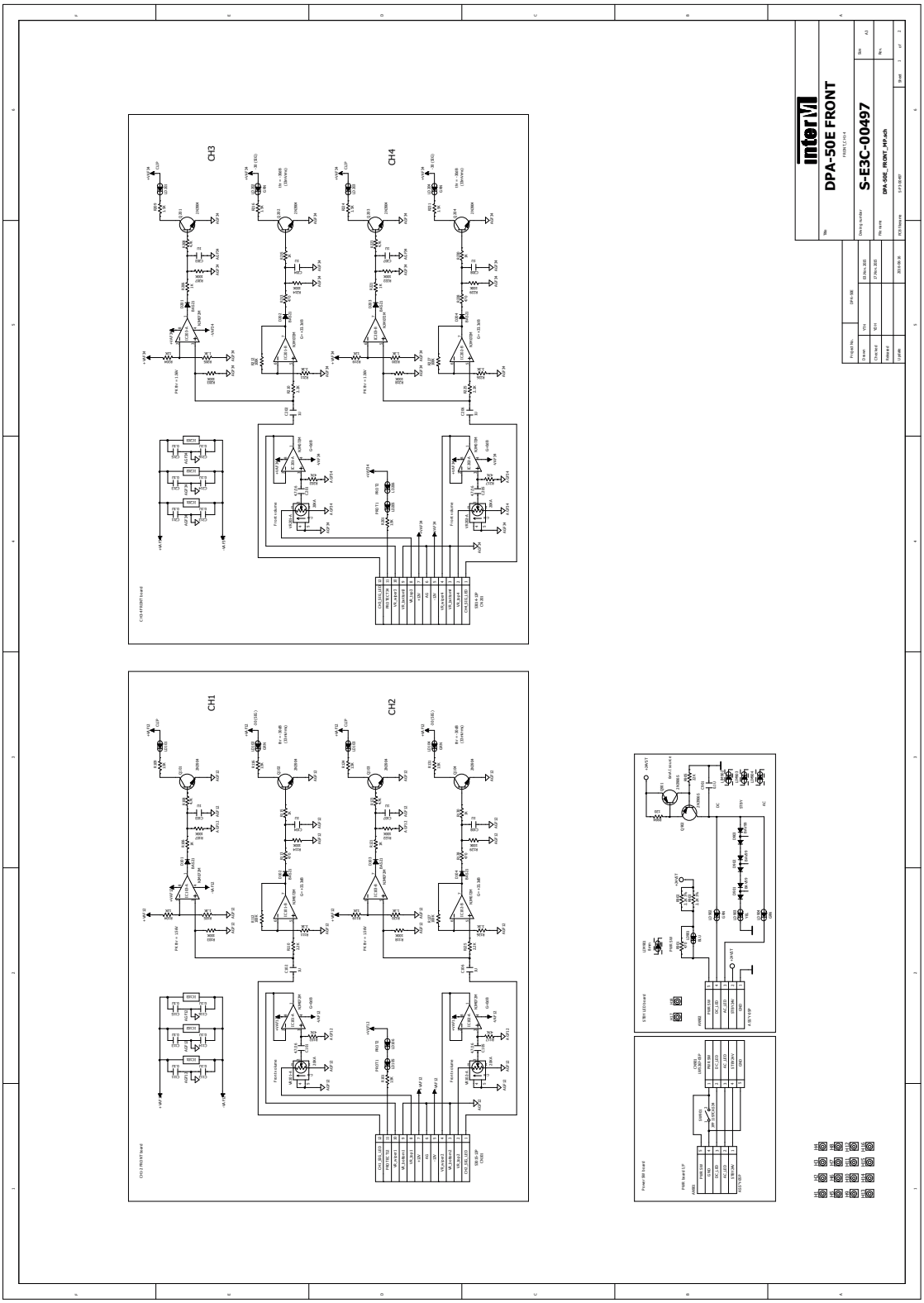
SCHEMATIC DIAGRAM

- AMP



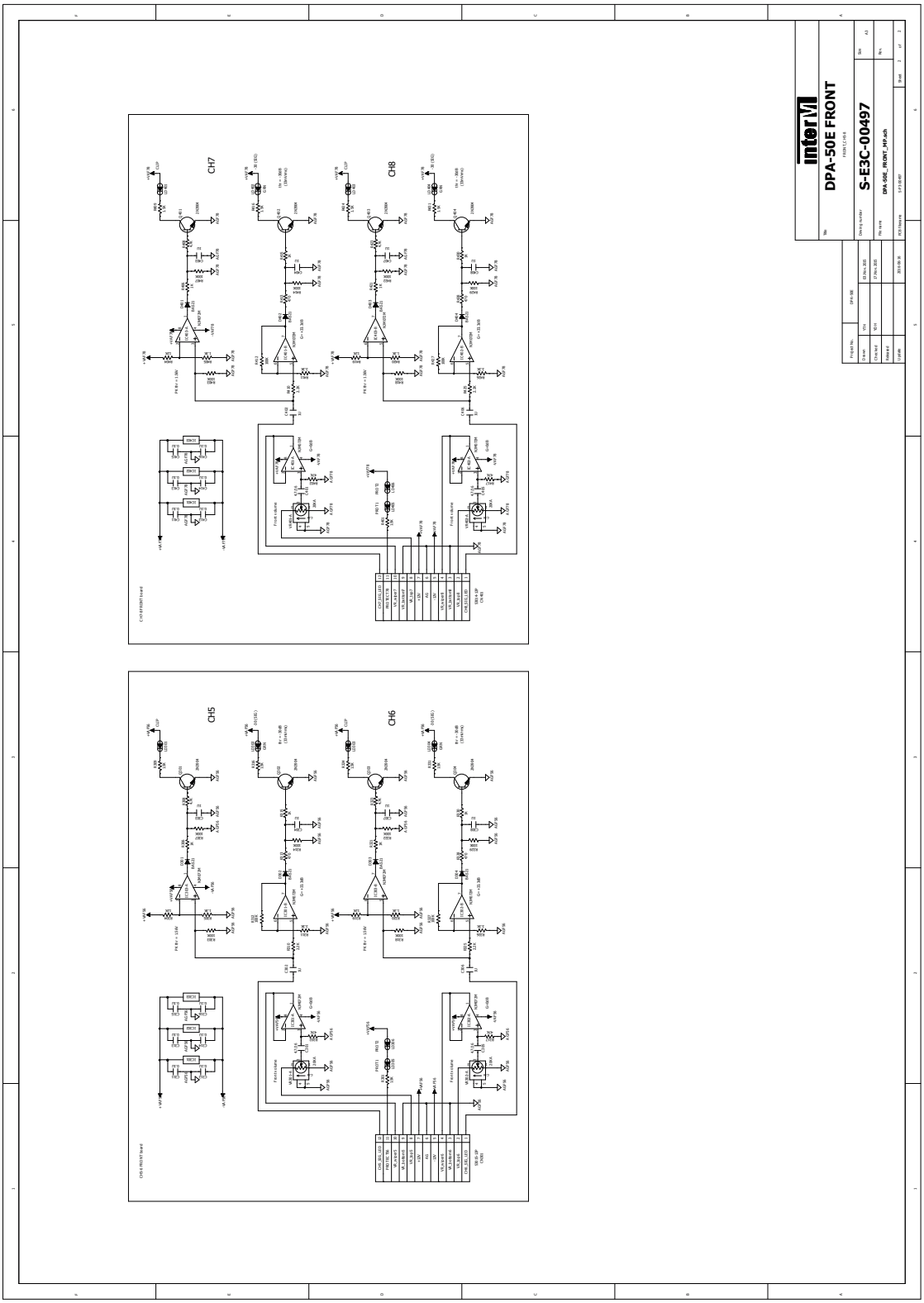
SCHEMATIC DIAGRAM

- FRONT

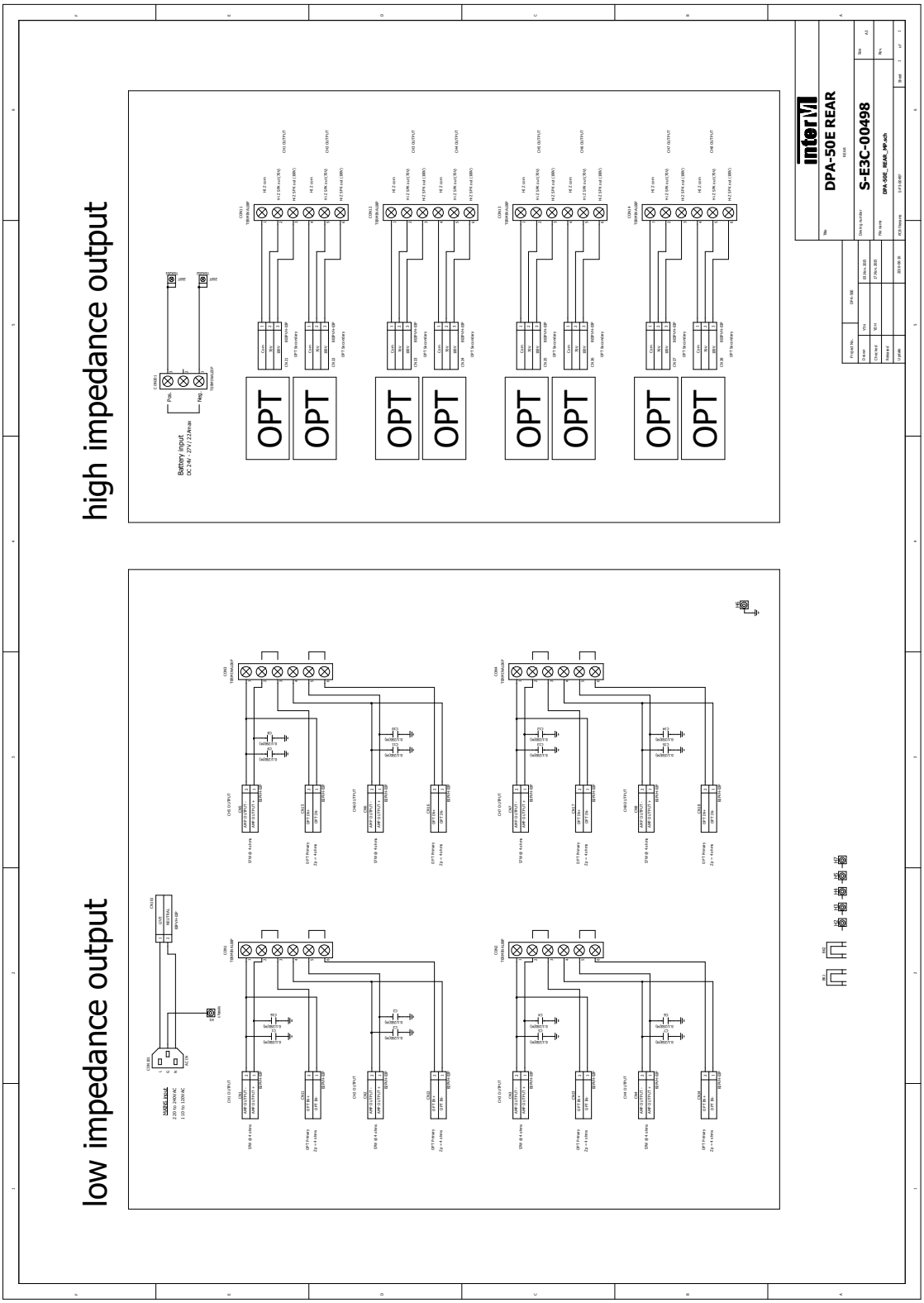


SCHEMATIC DIAGRAM

- FRONT

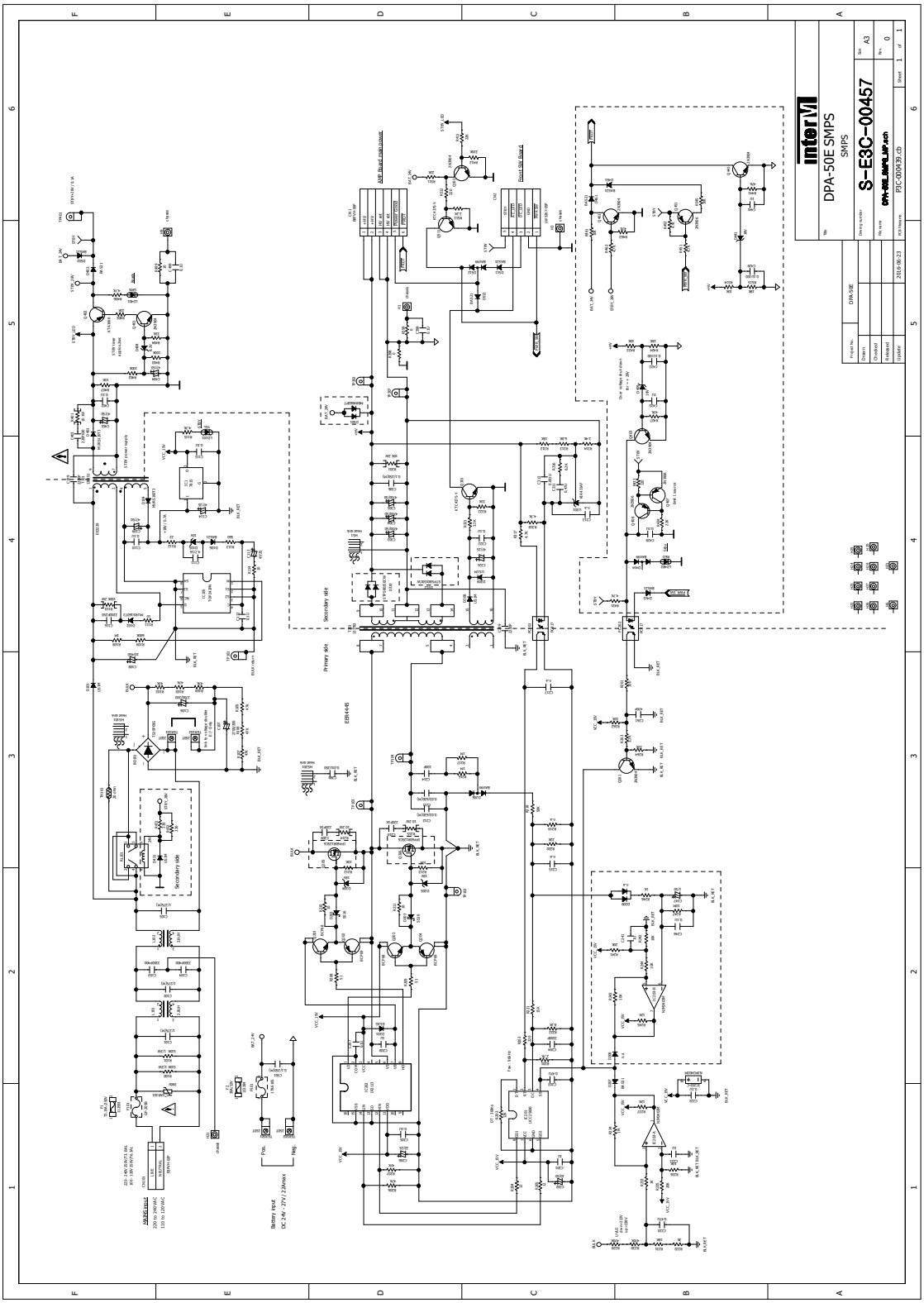


- REAR

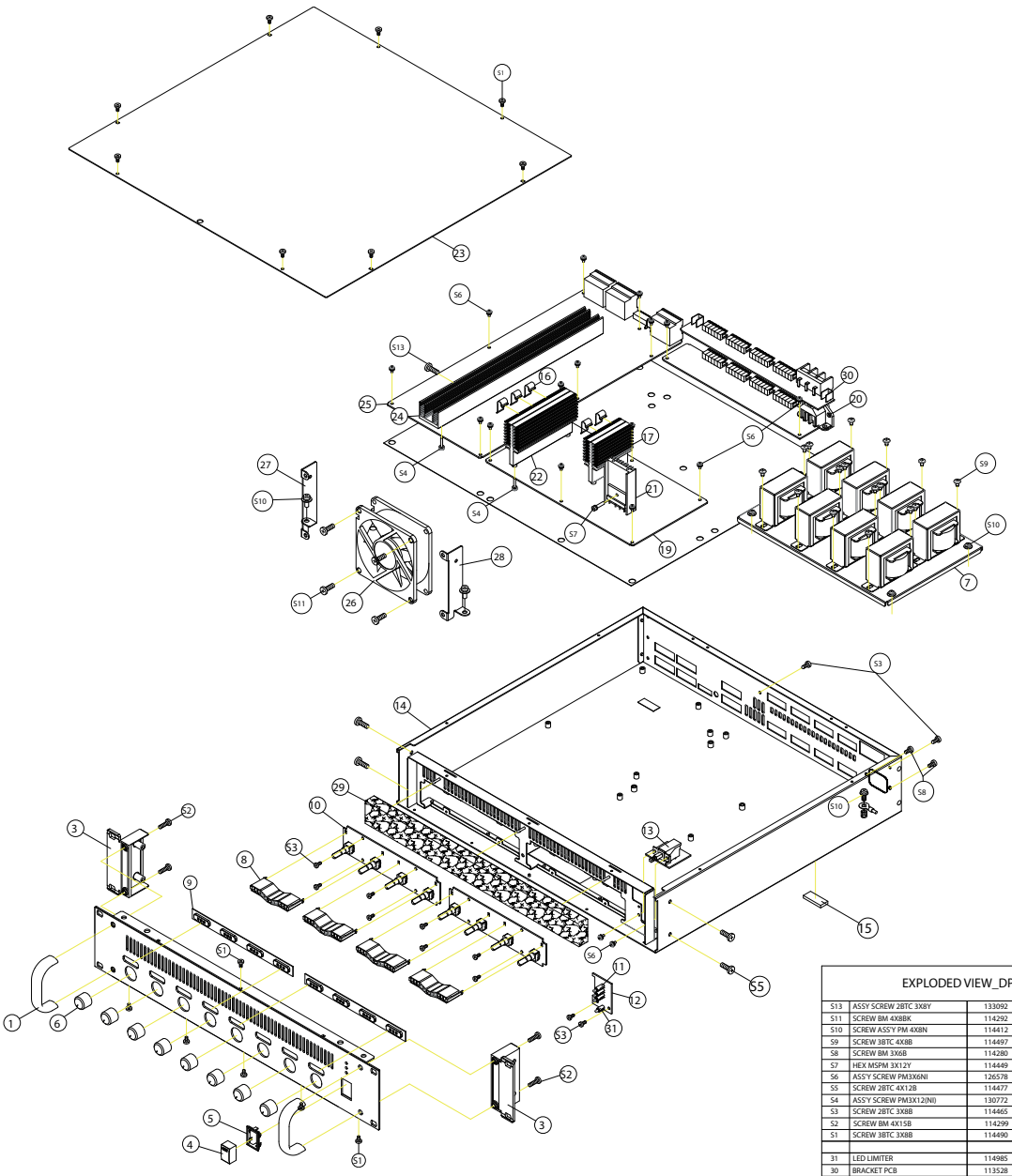

high impedance output
low impedance output
OPT
interM
DPA-50E REAR
S-E3C-00498
DPA-50E_REAR_MP.sch

SCHEMATIC DIAGRAM

- SMPS



EXPLODED VIEW OF CABINET & CHASSIS/MECHANICAL PARTS LIST



EXPLODED VIEW_DPA-50E

NO	PART NAME	PART NUMBER	Q'TY	REMARKS
S13	ASS'Y SCREW 2BTC 3X8Y	133092	1	AMP H/S:1
S11	SCREW BM 4X8BK	114292	4	
S10	SCREW ASS'Y PM 4X8N	114412	8	
S9	SCREW 3BTC 4X8B	114497	16	
S8	SCREW BM 3X6B	114280	2	
S7	HEX MSPM 3X12Y	114449	1	BRIDGE H/S:1
S6	ASS'Y SCREW PM3X6NI	126578	17	REAR:2/SMPS:6/AMP:7/POWER SW:2
S5	SCREW 2BTC 4X12B	114477	4	
S4	ASS'Y SCREW PM3X12(NI)	130772	9	AMP H/S:5/SMPS H/S:4
S3	SCREW 2BTC 3X8B	114465	12	
S2	SCREW BM 4X15B	114299	4	
S1	SCREW 3BTC 3X8B	114490	14	
31	LED LIMITER	114985	1	(H=8mm)
30	BRACKET PCB	113528	2	
29	AIR FILTER	137644	1	
28	FAN BKT "R"	113303	1	
27	FAN BKT "L"	113302	1	
26	FAN		1	
25	AMP B'D		1	
24	AMP HEATSINK	2002016	1	(L=280mm)
23	TOP COVER	133432	1	
22	SMPS HEAT SINK	2002029	1	(L=100mm)
21	BRIDGE HEAT SINK	136380	1	(L=60mm)
20	AC INLET		1	
19	SMPS B'D		1	
18	INSULATION SHEET	139690	1	
17	SMPS HEAT SINK	2002002	1	(L=60mm)
16	CLIP	138062	5	
15	FOOT	114114	2	
14	MAIN CHASSIS (DPA-50E)	139652	1	
13	POWER SW B'D		1	
12	STBY B'D		1	
11	LED LIMITER	114982	3	(H=11.5mm)
10	FRONT B'D		2	
9	LED WINDOW	139653	2	
8	LED HOUSING	139696	4	
7	OPT BKT	139666	1	
6	VR KNOB	124749	8	
5	BEZEL PUSH	114705	1	
4	PUSH KNOB	114868	1	
3	GUIDE HANDLE	114879	2	
2	PANEL FRONT (DPA-50E)	2002039	1	
1	HANDLE,2U,BLACK	127710	2	

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