

LIGO-E050208-00-C

BILL OF MATERIALS

Intensity Servo D020241 Rev D2 modified 8/17/05

Comment	Designator	Footprint	Note	LibRef	Digikey P/N	Manufacturer	Man. P/N
10	R62		1206 1/8W, 1%, thick film	RES	P10.0FCT-ND	Panasonic - ECG	ERJ-8ENF10R0V
20	R105		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R106		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R112		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R122		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R133		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R134		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R175		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R176		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R180		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R183		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R189		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R190		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R191		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R192		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R230		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R231		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R234		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R235		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R241		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R242		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R258		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R267		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R276		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R277		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R288		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R289		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R298		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R303		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R316		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R317		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R327		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R333		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R337		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R343		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R82		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
20	R88		1206 1/8W, 1%, thick film	RES	P20.0FCT-ND	Panasonic - ECG	ERJ-8ENF20R0V
30.1	R217		1206	RES			
30.1	R251		1206	RES			
100	R144		1206 1/8W,1%, thick film	RES	P100FCT-ND	Panasonic - ECG	ERJ-8ENF1000V
100	R312		1206 1/8W,1%, thick film	RES	P100FCT-ND	Panasonic - ECG	ERJ-8ENF1000V
100	R73		1206 1/8W,1%, thick film	RES	P100FCT-ND	Panasonic - ECG	ERJ-8ENF1000V
100	R77		1206 1/8W,1%, thick film	RES	P100FCT-ND	Panasonic - ECG	ERJ-8ENF1000V
316	R41		1206 1/8W, 1%, thick film	RES	P316FCT-ND	Panasonic - ECG	ERJ-8ENF3160V
392	R286		1206 1/8W, 1%, thick film	RES	P392FCT-ND	Panasonic - ECG	ERJ-8ENF3920V
392	R294		1206 1/8W, 1%, thick film	RES	P392FCT-ND	Panasonic - ECG	ERJ-8ENF3920V
392	R319		1206 1/8W, 1%, thick film	RES	P392FCT-ND	Panasonic - ECG	ERJ-8ENF3920V

392	R320	1206	1/8W, 1%, thick film	RES	P392FCT-ND	Panasonic - ECG	ERJ-8ENF3920V
402	R16	1206		RES			
453	R109	1206	1/8W, 1%, thick film	RES	P453FCT-ND	Panasonic - ECG	ERJ-8ENF4530V
453	R115	1206	1/8W, 1%, thick film	RES	P453FCT-ND	Panasonic - ECG	ERJ-8ENF4530V
453	R117	1206	1/8W, 1%, thick film	RES	P453FCT-ND	Panasonic - ECG	ERJ-8ENF4530V
453	R261	1206	1/8W, 1%, thick film	RES	P453FCT-ND	Panasonic - ECG	ERJ-8ENF4530V
453	R305	1206	1/8W, 1%, thick film	RES	P453FCT-ND	Panasonic - ECG	ERJ-8ENF4530V
453	R43	1206	1/8W, 1%, thick film	RES	P453FCT-ND	Panasonic - ECG	ERJ-8ENF4530V
453	R48	1206	1/8W, 1%, thick film	RES	P453FCT-ND	Panasonic - ECG	ERJ-8ENF4530V
453	R50	1206	1/8W, 1%, thick film	RES	P453FCT-ND	Panasonic - ECG	ERJ-8ENF4530V
453	R54	1206	1/8W, 1%, thick film	RES	P453FCT-ND	Panasonic - ECG	ERJ-8ENF4530V
475	R65	1206	1/8W, 1%, thick film	RES	P475FCT-ND	Panasonic - ECG	ERJ-8ENF4750V
499	R148	1206	1/8W, 1%, thick film	RES	P499FCT-ND	Panasonic - ECG	ERJ-8ENF4990V
499	R170	1206	1/8W, 1%, thick film	RES	P499FCT-ND	Panasonic - ECG	ERJ-8ENF4990V
499	R18	1206	1/8W, 1%, thick film	RES	P499FCT-ND	Panasonic - ECG	ERJ-8ENF4990V
499	R24	1206	1/8W, 1%, thick film	RES	P499FCT-ND	Panasonic - ECG	ERJ-8ENF4990V
499	R31	1206	1/8W, 1%, thick film	RES	P499FCT-ND	Panasonic - ECG	ERJ-8ENF4990V
499	R7	1206	1/8W, 1%, thick film	RES	P499FCT-ND	Panasonic - ECG	ERJ-8ENF4990V
523	R3	1206	1/8W, 1%, thick film	RES	P523FCT-ND	Panasonic - ECG	ERJ-8ENF5230V
715	R33	1206	1/8W, 1%, thick film	RES	P715FCT-ND	Panasonic - ECG	ERJ-8ENF7150V
750	R339	1206	1/8W, 1%, thick film	RES	P750FCT-ND	Panasonic - ECG	ERJ-8ENF7500V
750	R340	1206	1/8W, 1%, thick film	RES	P750FCT-ND	Panasonic - ECG	ERJ-8ENF7500V
806	R94	1206	1/8W, 1%, thick film	RES	P806FCT-ND	Panasonic - ECG	ERJ-8ENF8060V
806	R98	1206	1/8W, 1%, thick film	RES	P806FCT-ND	Panasonic - ECG	ERJ-8ENF8060V
+15 VOLTS	TP48	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
+24 VOLTS	TP46	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
+5 VOLTS	TP44	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
0 Ohm	R19	1206	1/4W, ±5%, Thick film	RES	311-0.0ECT-ND	Yageo America	9C12063A0R00JLHFT
0 Ohm	R226	1206	1/4W, ±5%, Thick film	RES	311-0.0ECT-ND	Yageo America	9C12063A0R00JLHFT
0 Ohm	R26	1206	1/4W, ±5 %,Thick film	RES	311-0.0ECT-ND	Yageo America	9C12063A0R00JLHFT
1 nF	C144	1206		CAP			
1.50k	R139	1206	1/8W, 1%, thick film	RES	P1.50KFCT-ND	Panasonic - ECG	ERJ-8ENF1501V
1.50k	R150	1206	1/8W, 1%, thick film	RES	P1.50KFCT-ND	Panasonic - ECG	ERJ-8ENF1501V
1.50k	R159	1206	1/8W, 1%, thick film	RES	P1.50KFCT-ND	Panasonic - ECG	ERJ-8ENF1501V
1.50k	R168	1206	1/8W, 1%, thick film	RES	P1.50KFCT-ND	Panasonic - ECG	ERJ-8ENF1501V
1.50k	R228	1206	1/8W, 1%, thick film	RES	P1.50KFCT-ND	Panasonic - ECG	ERJ-8ENF1501V
1.50k	R36	1206	1/8W, 1%, thick film	RES	P1.50KFCT-ND	Panasonic - ECG	ERJ-8ENF1501V
1.50k	R55	1206	1/8W, 1%, thick film	RES	P1.50KFCT-ND	Panasonic - ECG	ERJ-8ENF1501V
1.50k	R58	1206	1/8W, 1%, thick film	RES	P1.50KFCT-ND	Panasonic - ECG	ERJ-8ENF1501V
1.54k	R21	1206	1/8W, 1%, thick film	RES	P1.54KFCT-ND	Panasonic - ECG	ERJ-8ENF1541V
1.58k	R28	1206	1/8W, 1%, thick film	RES	P1.58KFCT-ND	Panasonic - ECG	ERJ-8ENF1583V
1.78k	R233	1206	1/8W, 1%, thick film	RES	P1.78KFCT-ND	Panasonic - ECG	ERJ-8ENF1781V
1.78k	R236	1206	1/8W, 1%, thick film	RES	P1.78KFCT-ND	Panasonic - ECG	ERJ-8ENF1781V
1.78k	R287	1206	1/8W, 1%, thick film	RES	P1.78KFCT-ND	Panasonic - ECG	ERJ-8ENF1781V
1.78k	R96	1206	1/8W, 1%, thick film	RES	P1.78KFCT-ND	Panasonic - ECG	ERJ-8ENF1781V
100k	R135	1206	1/8W, 1%, thick film	RES	P100KFCT-ND	Panasonic - ECG	ERJ-8ENF1003V
100k	R143	1206	1/8W, 1%, thick film	RES	P100KFCT-ND	Panasonic - ECG	ERJ-8ENF1003V
100k	R146	1206	1/8W, 1%, thick film	RES	P100KFCT-ND	Panasonic - ECG	ERJ-8ENF1003V
100k	R163	1206	1/8W, 1%, thick film	RES	P100KFCT-ND	Panasonic - ECG	ERJ-8ENF1003V
100k	R173	1206	1/8W, 1%, thick film	RES	P100KFCT-ND	Panasonic - ECG	ERJ-8ENF1003V
100nF	C32	1206	50V,X7R,±5%, Stend met	CAP	399-1250-1-ND	Kermet	C1206C104J5RACTU
100pF	C69	1206	50V,NP0, ±5%, High Cap	CAP	311-1161-1-ND	Yageo America	1206CG101J9B200
10k	R221	1206	1/8W, 1%, thick film	RES	P10.0KFCT-ND	Panasonic - ECG	ERJ-8ENF1002V

10k	R237	1206	1/8W, 1%, thick film	RES	P10.0KFCT-ND	Panasonic - ECG	ERJ-8ENF1002V
10k	R238	1206	1/8W, 1%, thick film	RES	P10.0KFCT-ND	Panasonic - ECG	ERJ-8ENF1002V
10k	R260	1206	1/8W, 1%, thick film	RES	P10.0KFCT-ND	Panasonic - ECG	ERJ-8ENF1002V
10k	R280	1206	1/8W, 1%, thick film	RES	P10.0KFCT-ND	Panasonic - ECG	ERJ-8ENF1002V
10k	R282	1206	1/8W, 1%, thick film	RES	P10.0KFCT-ND	Panasonic - ECG	ERJ-8ENF1002V
10k	R97	1206	1/8W, 1%, thick film	RES	P10.0KFCT-ND	Panasonic - ECG	ERJ-8ENF1002V
10k	R99	1206	1/8W, 1%, thick film	RES	P10.0KFCT-ND	Panasonic - ECG	ERJ-8ENF1002V
10uF	C127	1206	16V,X5R, ±10%, Gen Purp	CAP	478-1573-1-ND	AVX Corporation	1206YD106KAT2A
10uF	C131	1206	16V,X5R, ±10%, Gen Purp	CAP	478-1573-1-ND	AVX Corporation	1206YD106KAT2A
10uF	C135	1206	16V,X5R, ±10%, Gen Purp	CAP	478-1573-1-ND	AVX Corporation	1206YD106KAT2A
10uF	C237	1210	25V,X5R, ±10%, Gen Purp	CAP(X5R, ±10%,)	490-1878-1-ND	Murata Electronics North	GRM32DR61E106KA12L
10uF	C238	1210	25V,X5R, ±10%, Gen Purp	CAP(X5R, ±10%,)	490-1878-1-ND	Murata Electronics North	GRM32DR61E106KA12L
10uF	C28	1206	16V,X5R, ±10%, Gen Purp	CAP	478-1573-1-ND	AVX Corporation	1206YD106KAT2A
10uF	C37	1206	16V,X5R, ±10%, Gen Purp	CAP	478-1573-1-ND	AVX Corporation	1206YD106KAT2A
10uF	C38	1206	16V,X5R, ±10%, Gen Purp	CAP	478-1573-1-ND	AVX Corporation	1206YD106KAT2A
10uF	C44	1206	16V,X5R, ±10%, Gen Purp	CAP	478-1573-1-ND	AVX Corporation	1206YD106KAT2A
120pF	C12	1206	50V,NP0, ±5%, High Cap	CAP	311-1162-1-ND	Yageo America	1206CG121J9B200
120pF	C13	1206	50V,NP0, ±5%, High Cap	CAP	311-1162-1-ND	Yageo America	1206CG121J9B200
14.7k	R14	1206	1/8W, 1%, thick film	RES	P14.7KFCT-ND	Panasonic - ECG	ERJ-8ENF1002V
15 pF	C27	1206		CAP		Panasonic - ECG	
15 pF	C47	1206		CAP			
-15 VOLTS	TP47	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
150k	R187	1206	1/8W, 1%, thick film	RES	P150KFCT-ND	Panasonic - ECG	ERJ-8ENF1503V
150k	R188	1206	1/8W, 1%, thick film	RES	P150KFCT-ND	Panasonic - ECG	ERJ-8ENF1503V
150k	R193	1206	1/8W, 1%, thick film	RES	P150KFCT-ND	Panasonic - ECG	ERJ-8ENF1503V
150k	R46	1206	1/8W, 1%, thick film	RES	P150KFCT-ND	Panasonic - ECG	ERJ-8ENF1503V
150k	R52	1206	1/8W, 1%, thick film	RES	P150KFCT-ND	Panasonic - ECG	ERJ-8ENF1503V
150k	R57	1206	1/8W, 1%, thick film	RES	P150KFCT-ND	Panasonic - ECG	ERJ-8ENF1503V
150k	R60	1206	1/8W, 1%, thick film	RES	P150KFCT-ND	Panasonic - ECG	ERJ-8ENF1503V
158k	R15	1206	1/8W, 1%, thick film	RES	P158KFCT-ND	Panasonic - ECG	ERJ-8ENF1583V
15pF	C18	1206	50V, NP0, ±5%, High Capac	CAP	311-1151-1-ND	Yageo America	1206CG150J9B200
16.5k	R56	1206		RES			
17.4k	R37	1206	1/8W, 1%, thick film	RES	P17.4KFCT-ND	Panasonic - ECG	ERJ-8ENF1742V
19.1k	R22	1206	1/8W, 1%, thick film	RES	P19.1KFCT-ND	Panasonic - ECG	ERJ-8ENF1912V
1k	R11	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R114	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R116	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R124	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R129	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R13	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R136	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R137	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R141	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R142	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R145	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R154	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R155	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R156	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R158	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R161	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R162	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R164	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R167	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V

1k	R17	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R172	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R174	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R20	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R240	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R245	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R247	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R254	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R262	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R269	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R27	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R274	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R278	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R281	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R292	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R306	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R311	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R315	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R318	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R32	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R34	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R35	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R38	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R42	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R47	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R49	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R61	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R68	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R71	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R72	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R74	1206		RES			
1k	R75	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R76	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R80	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R81	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R85	1206		RES			
1k	R86	1206		RES			
1k	R87	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R89	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R90	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1k	R91	1206		RES			
1k	R93	1206	1/8W, 1%, thick film	RES	P1.00KFCT-ND	Panasonic - ECG	ERJ-8ENF1001V
1nF	C34	1206	50V,NP0, ±5%, High Cap	CAP	311-1163-1-ND	Yageo America	1206CG121J9B202
1uF	C10	1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C101	1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C102	1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C103	1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C104	1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C106	1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C110	1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C111	1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C117	1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C119	1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z

1uF	C74		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C76		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C79		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C80		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C81		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C82		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C84		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C87		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C88		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C9		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C90		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C94		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C96		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
1uF	C99		1206	50V, F,+80/-20%, High er	CAP	PCC2234CT-ND	Panasonic - ECG	ECJ-3FF1H105Z
2.32k	R101		1206	1/8W, 1%, thick film	RES	P2.32KFCT	Panasonic - ECG	ERJ-8ENF2321V
2.32k	R222		1206	1/8W, 1%, thick film	RES	P2.32KFCT	Panasonic - ECG	ERJ-8ENF2321V
2.32k	R244		1206	1/8W, 1%, thick film	RES	P2.32KFCT	Panasonic - ECG	ERJ-8ENF2321V
2.32k	R285		1206	1/8W, 1%, thick film	RES	P2.32KFCT	Panasonic - ECG	ERJ-8ENF2321V
2.4V Zener	DZ1	SOT-363			ZENER_DUAL	BZX84C2V4SDICT-ND	Diodes Inc.	BZX84C2V4S-7
20k	R151		1206	1/8W, 1%, thick film	RES	P20.0kFCT-ND	Panasonic - ECG	ERJ-8ENF2002V
20k	R157		1206	1/8W, 1%, thick film	RES	P20.0kFCT-ND	Panasonic - ECG	ERJ-8ENF2002V
20k	R160		1206	1/8W, 1%, thick film	RES	P20.0kFCT-ND	Panasonic - ECG	ERJ-8ENF2002V
20k	R166		1206	1/8W, 1%, thick film	RES	P20.0kFCT-ND	Panasonic - ECG	ERJ-8ENF2002V
20k	R169		1206	1/8W, 1%, thick film	RES	P20.0kFCT-ND	Panasonic - ECG	ERJ-8ENF2002V
20k	R205		1206	1/8W, 1%, thick film	RES	P20.0kFCT-ND	Panasonic - ECG	ERJ-8ENF2002V
20k pot	R10		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R100		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R186		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R196		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R2		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R201		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R239		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R246		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R248		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R283		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R293		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R4		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R5		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R59		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R6		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R64		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R66		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R67		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
20k pot	R69		3266	0.25W,±10%, 12 turns	RES VAR	3266W-203-ND	Bourns Inc.	3266W-1-203
-24 VOLTS	TP43	SMDTP			TEST POINT	5016KCT-ND	Keystone Electronics	5016
27 pF	C21		1206		CAP			
27pF	C107		1206		CAP			
27pF	C83		1206		CAP			
27pF	C202		1206		CAP			
27pF	C26		1206	50V, NP0, ±5%, High Capac	CAP	311-1155-1-ND	Yageo America	1206CG270J9B200
2k	R102		1206	1/8W, 1%, thick film	RES	P2.00KFCT-ND	Panasonic - ECG	ERJ-8ENF2001V
2k	R152		1206	1/8W, 1%, thick film	RES	P2.00KFCT-ND	Panasonic - ECG	ERJ-8ENF2001V
2k	R153		1206	1/8W, 1%, thick film	RES	P2.00KFCT-ND	Panasonic - ECG	ERJ-8ENF2001V

3.01k	R257	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R259	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R263	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R264	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R265	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R268	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R270	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R271	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R272	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R275	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R279	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R284	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R290	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R291	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R295	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R296	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R300	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R301	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R302	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R304	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R307	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R308	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R313	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R314	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R321	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R322	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R328	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R334	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R341	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R342	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R178	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.01k	R266	1206	1/8W, 1%, thick film	RES	P3.01KFCT-ND	Panasonic - ECG	ERJ-8ENF3011V
3.32k	R121	1206	1/8W, 1%, thick film	RES	P3.32KFCT-ND	Panasonic - ECG	ERJ-8ENF3321V
3.32k	R297	1206	1/8W, 1%, thick film	RES	P3.32KFCT-ND	Panasonic - ECG	ERJ-8ENF3321V
3.3pF	C8	1206	50V, NPO, ±0.25pF, High Cap	CAP	311-1147-1-ND	Yageo America	1206CG339C9B200
3.48k	R138	1206	1/8W, 1%, thick film	RES	P3.48KFCT-ND	Panasonic - ECG	ERJ-8ENF3481V
3.9pF	C22	1206	50V, NPO, ±0.25pF, High Cap	CAP	311-1217-1-ND	Yageo America	1206CG399C9B200
30.1k	R132	1206	1/8W, 1%, thick film	RES	P30.1KFCT-ND	Panasonic - ECG	ERJ-8ENF3012V
30.1k	R309	1206	1/8W, 1%, thick film	RES	P30.1KFCT-ND	Panasonic - ECG	ERJ-8ENF3012V
33pF	C156	1206	50V, NPO, ±5%, High Capac	CAP	311-1156-1-ND	Yageo america	1206CG330J9B200
4.02k	R30	1206	1/8W, 1%, thick film	RES	P4.02KFCT-ND	P4.02KFCT-ND	ERJ-8ENF4021V
4.02k	R83	1206	1/8W, 1%, thick film	RES	P4.02KFCT-ND	P4.02KFCT-ND	ERJ-8ENF4021V
4.02k	R95	1206	1/8W, 1%, thick film	RES	P4.02KFCT-ND	P4.02KFCT-ND	ERJ-8ENF4021V
4.53k	R147	1206	1/8W, 1%, thick film	RES	P4.53KFCT-ND	P4.53KFCT-ND	ERJ-8ENF4531V
4.53k	R171	1206	1/8W, 1%, thick film	RES	P4.53KFCT-ND	P4.53KFCT-ND	ERJ-8ENF4531V
4.7pF	C14	1206	50V, NPO, ±0.25pF, Std End Me	CAP	399-1185-1-ND	Kermet	C1206C479C5GACTU
4.7pF	C157	1206	50V, NPO, ±0.25pF, Std End Me	CAP	399-1185-1-ND	Kermet	C1206C479C5GACTU
4.7pF	C17	1206	50V, NPO, ±0.25pF, Std End Me	CAP	399-1185-1-ND	Kermet	C1206C479C5GACTU
4.7pF	C178	1206	50V, NPO, ±0.25pF, Std End Me	CAP	399-1185-1-ND	Kermet	C1206C479C5GACTU
4.7pF	C184	1206	50V, NPO, ±0.25pF, Std End Me	CAP	399-1185-1-ND	Kermet	C1206C479C5GACTU
4.7pF	C201	1206	50V, NPO, ±0.25pF, Std End Me	CAP	399-1185-1-ND	Kermet	C1206C479C5GACTU
4.7pF	C213	1206	50V, NPO, ±0.25pF, Std End Me	CAP	399-1185-1-ND	Kermet	C1206C479C5GACTU
4.7pF	C229	1206	50V, NPO, ±0.25pF, Std End Me	CAP	399-1185-1-ND	Kermet	C1206C479C5GACTU

4.7pF	C39		1206	50V,NP0, ±0.25pF, Std End Me	CAP	399-1185-1-ND	Kermet	C1206C479C5GACTU
4.7pF	C67		1206	50V,NP0, ±0.25pF, Std End Me	CAP	399-1185-1-ND	Kermet	C1206C479C5GACTU
4.7pF	C75		1206	50V,NP0, ±0.25pF, Std End Me	CAP	399-1185-1-ND	Kermet	C1206C479C5GACTU
4.7pF	C98		1206	50V,NP0, ±0.25pF, Std End Me	CAP	399-1185-1-ND	Kermet	C1206C479C5GACTU
4.7pF high capacity	C149		1206	50V,NP0, ±5%, High Capacity	CAP	311-1158-1-ND	Yageo America	1206CG470J9B200
4.7uF	C123		1206	25V,X5R, ±10%	CAP	478-1570-1-ND	AVX Corporation	12063D475KAT2A
4.7uF	C167		1206	25V,X5R, ±10%	CAP	478-1570-1-ND	AVX Corporation	12063D475KAT2A
4.7uF	C171		1206	25V,X5R, ±10%	CAP	478-1570-1-ND	AVX Corporation	12063D475KAT2A
4.7uF	C196		1206	25V,X5R, ±10%	CAP	478-1570-1-ND	AVX Corporation	12063D475KAT2A
4.7uF	C220		1206	25V,X5R, ±10%	CAP	478-1570-1-ND	AVX Corporation	12063D475KAT2A
4.99k	R12		1206	1/8W, 1%, thick film	RES	P4.99KFCT-ND	P4.99KFCT-ND	ERJ-8ENF4991V
4.99k	R29		1206	1/8W, 1%, thick film	RES	P4.99KFCT-ND	P4.99KFCT-ND	ERJ-8ENF4991V
43 Ohm, 1W	R335		2512	1W, ± 5%, Thick film	RES	P43XCT-ND	Panasonic - ECG	ERJ-1WYJ430U
43 Ohm, 1W	R336		2512	1W, ± 5%, Thick film	RES	P43XCT-ND	Panasonic - ECG	ERJ-1WYJ430U
43 Ohm, 1W	R338		2512	1W, ± 5%, Thick film	RES	P43XCT-ND	Panasonic - ECG	ERJ-1WYJ430U
43 Ohm, 1W	R344		2512	1W, ± 5%, Thick film	RES	P43XCT-ND	Panasonic - ECG	ERJ-1WYJ430U
47pF	C121		1206	50V,NP0, ±5%, High Capac	CAP	311-1158-1-ND	Yageo America	1206CG470J9B200
47pF	C155		1206	50V,NP0, ±5%, High Capac	CAP	311-1158-1-ND	Yageo America	1206CG470J9B200
47pF	C173		1206	50V,NP0, ±5%, High Capac	CAP	311-1158-1-ND	Yageo America	1206CG470J9B200
47pF	C194		1206	50V,NP0, ±5%, High Capac	CAP	311-1158-1-ND	Yageo America	1206CG470J9B200
47pF	C199		1206	50V,NP0, ±5%, High Capac	CAP	311-1158-1-ND	Yageo America	1206CG470J9B200
47pF	C224		1206	50V,NP0, ±5%, High Capac	CAP	311-1158-1-ND	Yageo America	1206CG470J9B200
47pF	C226		1206	50V,NP0, ±5%, High Capac	CAP	311-1158-1-ND	Yageo America	1206CG470J9B200
47pF	C23		1206	50V,NP0, ±5%, High Capac	CAP	311-1158-1-ND	Yageo America	1206CG470J9B200
47pF	C35		1206	50V,NP0, ±5%, High Capac	CAP	311-1158-1-ND	Yageo America	1206CG470J9B200
47pF	C45		1206	50V,NP0, ±5%, High Capac	CAP	311-1158-1-ND	Yageo America	1206CG470J9B200
47pF	C95		1206	50V,NP0, ±5%, High Capac	CAP	311-1158-1-ND	Yageo America	1206CG470J9B200
47uF	C241	Fla_CapSmd		35V, Electrolytic, ±20%, VA ser	CAP POL	PCE2050CT-ND	Panasonic - ECG (Elect	ECE-V1VA470P
47uF	C242	Fla_CapSmd		35V, Electrolytic, ±20%, VA ser	CAP POL	PCE2050CT-ND	Panasonic - ECG (Elect	ECE-V1VA470P
-5 VOLTS	TP45	SMDTP			TEST POINT	5016KCT-ND	Keystone Electronics	5016
68 pF	C89		1206		CAP			
68 pF	C93		1206		CAP			
68 pF	C108		1206		CAP			
68 pF	C109		1206		CAP			
68pF	C105		1206	100V,NP0, ±5%	CAP	478-1443-1-ND	AVX Corporation	12061A680JAT2A
68pF	C19		1206	100V,NP0, ±5%	CAP	478-1443-1-ND	AVX Corporation	12061A680JAT2A
68pF	C193		1206	100V,NP0, ±5%	CAP	478-1443-1-ND	AVX Corporation	12061A680JAT2A
68pF	C223		1206	100V,NP0, ±5%	CAP	478-1443-1-ND	AVX Corporation	12061A680JAT2A
68pF	C43		1206	100V,NP0, ±5%	CAP	478-1443-1-ND	AVX Corporation	12061A680JAT2A
68pF	C49		1206	100V,NP0, ±5%	CAP	478-1443-1-ND	AVX Corporation	12061A680JAT2A
68pF	C50		1206	100V,NP0, ±5%	CAP	478-1443-1-ND	AVX Corporation	12061A680JAT2A
8.2 Ohm, 1W	R323		2512	1W, ±5%, Thick film	RES	P8.2XCT-ND	Panasonic	ERJ-1WYJ8R2U
8.2 Ohm, 1W	R324		2512	1W, ±5%, Thick film	RES	P8.2XCT-ND	Panasonic	ERJ-1WYJ8R2U
8.2 Ohm, 1W	R325		2512	1W, ±5%, Thick film	RES	P8.2XCT-ND	Panasonic	ERJ-1WYJ8R2U
8.2 Ohm, 1W	R326		2512	1W, ±5%, Thick film	RES	P8.2XCT-ND	Panasonic	ERJ-1WYJ8R2U
8.2 Ohm, 1W	R329		2512	1W, ±5%, Thick film	RES	P8.2XCT-ND	Panasonic	ERJ-1WYJ8R2U
8.2 Ohm, 1W	R330		2512	1W, ±5%, Thick film	RES	P8.2XCT-ND	Panasonic	ERJ-1WYJ8R2U
8.2 Ohm, 1W	R331		2512	1W, ±5%, Thick film	RES	P8.2XCT-ND	Panasonic	ERJ-1WYJ8R2U
8.2 Ohm, 1W	R332		2512	1W, ±5%, Thick film	RES	P8.2XCT-ND	Panasonic	ERJ-1WYJ8R2U
AD602	U9	SOL-16			AD602	AD602JR-ND	Analog Devices Inc	AD602JR
AD829	U1	SO-8			AD829	AD829JR-ND	Analog Devices Inc	AD829JR
AD829	U10	SO-8			AD829	AD829JR-ND	Analog Devices Inc	AD829JR
AD829	U11	SO-8			AD829	AD829JR-ND	Analog Devices Inc	AD829JR

AD829	U12	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U13	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U14	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U17	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U18	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U19	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U2	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U21	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U24	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U25	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U26	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U27	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U29	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U3	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U4	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U45	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U48	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U49	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U5	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U53	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U55	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U56	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U57	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U59	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U62	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U63	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
AD829	U7	SO-8		AD829	AD829JR-ND	Analog Devices Inc	AD829JR	
Bench test +24	TP50	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics		5016
Bench test -24	TP49	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics		5016
Curr Sh Wh	TP29	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics		5016
Curr Shunt DAQ	J5	My_LEMO4_4GND		LEMO4_4GND	N/A	LEMO	EPG.1B.304.HLN	
Curr Shunt Drive	J1	Fla_LEMO2_4GND		LEMO2_4GND	N/A	LEMO	EPG.0B.302.HLN	
Current Shunt	TP11	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics		5016
DB37RA/F with EMI fee	DB3	My_DB37RA/F		DB37 EMI	N.A.	Conec	242 A 17690 X	
DB9/F_RA	DB1	My_DB9/F_RA		DB37 EMI	182-09F-ND	Norcomp Inc.	182-009-212-531	
DB9/F_RA	DB2	My_DB9/F_RA		DB37 EMI	182-09F-ND	Norcomp Inc.	182-009-212-531	
DIODE S1ADICT	D1		5632	DIODE S1ADICT	S1ADICT-ND	Diodes Inc.	S1A-13	
DIODE S1ADICT	D14		5632	DIODE S1ADICT	S1ADICT-ND	Diodes Inc.	S1A-13	
DIODE S1ADICT	D15		5632	DIODE S1ADICT	S1ADICT-ND	Diodes Inc.	S1A-13	
DIODE S1ADICT	D16		5632	DIODE S1ADICT	S1ADICT-ND	Diodes Inc.	S1A-13	
DIODE S1ADICT	D17		5632	DIODE S1ADICT	S1ADICT-ND	Diodes Inc.	S1A-13	
DIODE S1ADICT	D2		5632	DIODE S1ADICT	S1ADICT-ND	Diodes Inc.	S1A-13	
DIODE S1ADICT	D6		5632	DIODE S1ADICT	S1ADICT-ND	Diodes Inc.	S1A-13	
DIODE S1ADICT	D7		5632	DIODE S1ADICT	S1ADICT-ND	Diodes Inc.	S1A-13	
DIODE S1ADICT	D8		5632	DIODE S1ADICT	S1ADICT-ND	Diodes Inc.	S1A-13	
DIODE S1ADICT	D9		5632	DIODE S1ADICT	S1ADICT-ND	Diodes Inc.	S1A-13	
DUAL DIODE	D3	FLA_SOT-23		DUAL DIODE	BAV199DICT-ND	Diodes Inc.	BAV199	
DUAL DIODE	D4	FLA_SOT-23		DUAL DIODE	BAV199DICT-ND	Diodes Inc.	BAV199	
DUAL DIODE	D5	FLA_SOT-23		DUAL DIODE	BAV199DICT-ND	Diodes Inc.	BAV199	
First Stage	TP12	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics		5016
First Stage	TP6	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics		5016
Fourth stage	TP8	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics		5016
fwr	TP22	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics		5016

fwr	TP26	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
fwr	TP27	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
GND	TP20	THHOLE		TEST POINT	5011K-ND	Keystone Electronics	5011
GND	TP30	THHOLE		TEST POINT	5011K-ND	Keystone Electronics	5011
GND	TP31	THHOLE		TEST POINT	5011K-ND	Keystone Electronics	5011
GND	TP38	THHOLE		TEST POINT	5011K-ND	Keystone Electronics	5011
GND	TP4	THHOLE		TEST POINT	5011K-ND	Keystone Electronics	5011
GND	TP42	THHOLE		TEST POINT	5011K-ND	Keystone Electronics	5011
GND	TP51	THHOLE		TEST POINT	5011K-ND	Keystone Electronics	5011
HG_RELAY	U15	Hg_Relay		HG_RELAY	Z829-ND	Omron Electronics, Inc	G6H-2F-DC24
HG_RELAY	U16	Hg_Relay		HG_RELAY	Z829-ND	Omron Electronics, Inc	G6H-2F-DC24
HG_RELAY	U30	Hg_Relay		HG_RELAY	Z829-ND	Omron Electronics, Inc	G6H-2F-DC24
HG_RELAY	U60	Hg_Relay		HG_RELAY	Z829-ND	Omron Electronics, Inc	G6H-2F-DC24
IDC10	IDC1	MY_IDC10		IDC10	A26268-ND	AMP/Tyco Electronics	103309-1
IDC10	IDC2	MY_IDC10		IDC10	A26268-ND	AMP/Tyco Electronics	103309-1
IL Analog Input	J4	Fla_LEMO2_4GND		LEMO2_4GND	N/A	LEMO	EPG.0B.302.HLN
IL Monitor PD DAQ	J7	My_LEMO4_4GND		LEMO4_4GND	N/A	LEMO	EPG.1B.304.HLN
IL Sensor PD DAQ	J3	My_LEMO4_4GND		LEMO4_4GND	N/A	LEMO	EPG.1B.304.HLN
IN Mon PD DC	TP35	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
IN Mon PD Wh	TP37	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
IN Sens PD DC	TP5	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
IN Sens PD Wh	TP28	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
JUMPER_3	JP1	My_Jumper3		JUMPER_3	WM4001-ND	Molex/Waldom Electron	22-03-2031
JUMPER_3	JP10	My_Jumper3		JUMPER_3	WM4001-ND	Molex/Waldom Electron	22-03-2031
JUMPER_3	JP2	My_Jumper3		JUMPER_3	WM4001-ND	Molex/Waldom Electron	22-03-2031
JUMPER_3	JP3	My_Jumper3		JUMPER_3	WM4001-ND	Molex/Waldom Electron	22-03-2031
JUMPER_3	JP4	My_Jumper3		JUMPER_3	WM4001-ND	Molex/Waldom Electron	22-03-2031
JUMPER_3	JP5	My_Jumper3		JUMPER_3	WM4001-ND	Molex/Waldom Electron	22-03-2031
JUMPER_3	JP6	My_Jumper3		JUMPER_3	WM4001-ND	Molex/Waldom Electron	22-03-2031
JUMPER_3	JP7	My_Jumper3		JUMPER_3	WM4001-ND	Molex/Waldom Electron	22-03-2031
JUMPER_3	JP8	My_Jumper3		JUMPER_3	WM4001-ND	Molex/Waldom Electron	22-03-2031
JUMPER_3	JP9	My_Jumper3		JUMPER_3	WM4001-ND	Molex/Waldom Electron	22-03-2031
JUMPER2	JTC1	MY_JUMP2_LOCK		JUMPER2	WM4200-ND	Molex/Waldom Electron	22-23-2021
JUMPER2	JTC2	MY_JUMP2_LOCK		JUMPER2	WM4200-ND	Molex/Waldom Electron	22-23-2021
JUMPER2	JTC3	MY_JUMP2_LOCK		JUMPER2	WM4200-ND	Molex/Waldom Electron	22-23-2021
JUMPER2	JTC4	MY_JUMP2_LOCK		JUMPER2	WM4200-ND	Molex/Waldom Electron	22-23-2021
JUMPER2	JTC5	MY_JUMP2_LOCK		JUMPER2	WM4200-ND	Molex/Waldom Electron	22-23-2021
JUMPER2	JTC6	MY_JUMP2_LOCK		JUMPER2	WM4200-ND	Molex/Waldom Electron	22-23-2021
JUMPER2	JTC7	MY_JUMP2_LOCK		JUMPER2	WM4200-ND	Molex/Waldom Electron	22-23-2021
JUMPER2	JTC8	MY_JUMP2_LOCK		JUMPER2	WM4200-ND	Molex/Waldom Electron	22-23-2021
JUMPER2	JTC9	MY_JUMP2_LOCK		JUMPER2	WM4200-ND	Molex/Waldom Electron	22-23-2021
JUMPER4	J10	MY_JUMP4_LOCK		JUMPER4	WM4202-ND	Molex/Waldom Electron	22-23-2041
JUMPER4	J9	MY_JUMP4_LOCK		JUMPER4	WM4202-ND	Molex/Waldom Electron	22-23-2041
LED	D10	MICROLED_SMD		LED	350-1356-1-ND	Dialight	597-3001-207
LED	D11	MICROLED_SMD		LED	350-1356-1-ND	Dialight	597-3001-207
LED	D12	MICROLED_SMD		LED	350-1356-1-ND	Dialight	597-3001-207
LED	D13	MICROLED_SMD		LED	350-1356-1-ND	Dialight	597-3001-207
LED_STACKED	LED1	StackedLED		LED_STACKED	350-1122-ND	Dialight	553-0111-300
LF Act Drive	J11	Fla_LEMO2_4GND		LEMO2_4GND	N/A	LEMO	EPG.0B.302.HLN
LM311	U34	SO-8		LM311M	LM311MNS-ND	National Semiconductor	LM311M
LM311	U35	SO-8		LM311M	LM311MNS-ND	National Semiconductor	LM311M
LM311	U38	SO-8		LM311M	LM311MNS-ND	National Semiconductor	LM311M
LM311	U39	SO-8		LM311M	LM311MNS-ND	National Semiconductor	LM311M

LM311	U41	SO-8		LM311M	LM311MNS-ND	National Semiconductor	LM311M	
LM311	U42	SO-8		LM311M	LM311MNS-ND	National Semiconductor	LM311M	
LM320K-15	U67	My_TO3		LM320K-15	LM320K-15-ND	National Semiconductor	LM320K-15	
LM320T-5	U66	MY_TO220		MC7905T	LM320T-5.0-ND	National Semiconductor	LM320T-5.0	
LM340K-15	U68	My_TO3		LM340K-15	LM340K-15-ND	National Semiconductor	LM340K-15	
LM7805CT	U72	MY_TO220		MC7805T	LM340T-5.0-ND	National Semiconductor	LM340T-5.0	
Loop	TP13	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics		5016
Loop Switch En	TP17	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics		5016
LT1124	U23	SO-8		LT1124	LT1124CS8-ND	Linear Technology	LT1124CS	
LT1124	U46	SO-8		LT1124	LT1124CS8-ND	Linear Technology	LT1124CS	
LT1124	U47	SO-8		LT1124	LT1124CS8-ND	Linear Technology	LT1124CS	
LT1124	U52	SO-8		LT1124	LT1124CS8-ND	Linear Technology	LT1124CS	
LT1124	U58	SO-8		LT1124	LT1124CS8-ND	Linear Technology	LT1124CS	
LT1124	U65	SO-8		LT1124	LT1124CS8-ND	Linear Technology	LT1124CS	
LT1125CS	U28	SOL-16		LT1125CS	LT1125CSW-ND	Linear Technology	LT1125CSW	
LT1125CS	U43	SOL-16		LT1125CS	LT1125CSW-ND	Linear Technology	LT1125CSW	
LT1125CS	U44	SOL-16		LT1125CS	LT1125CSW-ND	Linear Technology	LT1125CSW	
LT1125CS	U51	SOL-16		LT1125CS	LT1125CSW-ND	Linear Technology	LT1125CSW	
LT1125CS	U61	SOL-16		LT1125CS	LT1125CSW-ND	Linear Technology	LT1125CSW	
Mosfet n enh	U32	FLA_SOT-23		MOSFET N	MMBF170DICT-ND	Diodes Inc.	MMBF170-7	
Mosfet n enh	U36	FLA_SOT-23		MOSFET N	MMBF170DICT-ND	Diodes Inc.	MMBF170-7	
Mosfet n enh	U40	FLA_SOT-23		MOSFET N	MMBF170DICT-ND	Diodes Inc.	MMBF170-7	
OL Analog Input	J6	Fla_LEMO2_4GND		LEMO2_4GND	N/A	LEMO	EPG.0B.302.HLN	
OL Monitor PD DAQ	J8	My_LEMO4_4GND		LEMO4_4GND	N/A	LEMO	EPG.1B.304.HLN	
OL Sensor PD DAQ	J2	My_LEMO4_4GND		LEMO4_4GND	N/A	LEMO	EPG.1B.304.HLN	
Omit	L1		1210	IND2	M6131CT-ND	J W Miller Magnetics	PM1210-151J	
Omit	R1		1206	RES				
Omit	R103		1206	RES				
Omit	R104		1206	RES				
Omit	R118		1206	RES				
Omit	R128		1206	RES				
Omit	R140		1206	RES				
Omit	R149		1206	RES				
Omit	R177		1206	RES				
Omit	R179		1206	RES				
Omit	R182		1206	RES				
Omit	R227		1206	RES				
Omit	R25		1206	RES				
Omit	R253		1206	RES				
Omit	R273		1206	RES				
Omit	R299		1206	RES				
Omit	R310		1206	RES				
Omit	R39		1206	RES				
Omit	R40		1206	RES				
Omit	R44		1206	RES				
Omit	R45		1206	RES				
Omit	R51		1206	RES				
Omit	R53		1206	RES				
Omit	R63		1206	RES				
Omit	R70		1206	RES				
Omit	R78		1206	RES				
Omit	R8		1206	RES				
Omit	R84		1206	RES				

Omit	R9		1206		RES		
Omit	R92		1206		RES		
Omit	C1		1206		CAP		
Omit	C100		1206		CAP		
Omit	C11		1206		CAP		
Omit	C112		1206		CAP		
Omit	C113		1206		CAP		
Omit	C114		1206		CAP		
Omit	C115		1206		CAP		
Omit	C116		1206		CAP		
Omit	C118		1206		CAP		
Omit	C145		1206		CAP		
Omit	C148		1206		CAP		
Omit	C168		1206		CAP		
Omit	C169		1206		CAP		
Omit	C170		1206		CAP		
Omit	C175		1206		CAP		
Omit	C177		1206		CAP		
Omit	C179		1206		CAP		
Omit	C186		1206		CAP		
Omit	C188		1206		CAP		
Omit	C189		1206		CAP		
Omit	C198		1206		CAP		
Omit	C20		1206		CAP		
Omit	C205		1206		CAP		
Omit	C207		1206		CAP		
Omit	C210		1206		CAP		
Omit	C215		1206		CAP		
Omit	C217		1206		CAP		
Omit	C222		1206		CAP		
Omit	C231		1206		CAP		
Omit	C236		1206		CAP		
Omit	C30		1206		CAP		
Omit	C51		1206		CAP		
Omit	C54		1206		CAP		
Omit	C57		1206		CAP		
Omit	C58		1206		CAP		
Omit	C6		1206		CAP		
Omit	C62		1206		CAP		
Omit	C70		1206		CAP		
Omit	C73		1206		CAP		
Omit	C77		1206		CAP		
Omit	C78		1206		CAP		
Omit	C85		1206		CAP		
Omit	C86		1206		CAP		
Omit	C91		1206		CAP		
Omit	C92		1206		CAP		
Omit	C97		1206		CAP		
OP27	U50	SO-8		OP27	OP27GS-ND	Analog Devices Inc	OP27GS
OP27	U8	SO-8		OP27	OP27GS-ND	Analog Devices Inc	OP27GS
OP467	U31	SOL-16		OP467	OP467GS-ND	Analog Devices Inc	OP467GS
OP467	U33	SOL-16		OP467	OP467GS-ND	Analog Devices Inc	OP467GS
OP467	U37	SOL-16		OP467	OP467GS-ND	Analog Devices Inc	OP467GS

OUT Mon PD DC	TP41	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
OUT Mon PD Wh	TP40	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
OUT Sens PD DC	TP16	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
OUT Sens PD Wh	TP19	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
Outer Loop En	TP15	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
pulse	TP23	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
pulse	TP24	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
pulse	TP32	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
RELAY	U71	RELAY DIP		RELAY 2A	Z769-ND	Omron Electronics, Inc	G5V-2-DC24
RELAY 2A	U70	RELAY DIP		RELAY 2A	Z769-ND	Omron Electronics, Inc	G5V-2-DC24
Second Stage	TP1	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
Second Stage	TP14	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
Shield	Shield1	Cage 7.5x6.5	not installed	Cage 7.5x6.5	N/A	Leadertech Inc	84-CBSUSV-6.5X7.5X.80
Slow Servo Filt	TP33	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
Slow Servo In	TP34	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
SN74ABT125	U69	SO-14		SN74ABT125	296-1019-1-ND	Texas Instruments	SN74ABT125DR
Summ Junct	TP18	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
Summ Junct	TP3	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
Test IN En	TP25	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
Test IN TF	TP21	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
Test OUT En	TP39	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
Test OUT TF	TP36	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
Third Stage	TP2	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
THS4131	U6	SO-8		THS4131	296-10046-5-ND	Texas Instruments	THS4131D
THS4151	U20	SO-8		THS4151	296-10054-5-ND	Texas Instruments	THS4151ID
THS4151	U22	SO-8		THS4151	296-10054-5-ND	Texas Instruments	THS4151ID
THS4151	U54	SO-8		THS4151	296-10054-5-ND	Texas Instruments	THS4151ID
THS4151	U64	SO-8		THS4151	296-10054-5-ND	Texas Instruments	THS4151ID
VGA Cntl Filt	TP7	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
VGA Cntl Out	TP9	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016
VGA Control	TP10	SMDTP		TEST POINT	5016KCT-ND	Keystone Electronics	5016

ADDITIONAL PARTS NEEDED FOR BOX ASSEMBLY

Heatsink		TO-3	For TO-3 package, U67 & U68		Newark: 10WX1032	Redpoint Thermalloy	PF527 or equivalent
Insulator pad		TO-3	For U67, U68		Newark: 29C4864	silicon/fiberglass	can also use mylar pad
Switch, AC power		DPST			CH771-ND	Cherry Switch	LRA32H2DBBNN
4 pin connector			For power switch connection	qty=2	WM2013-ND	Molex	22-01-2047
2 pin connector			for front panel connections	qty=9	WM1114-ND	Molex	22-01-2027
TO-220 mounting Hdwe		TO-220	for U66, U72		Newark:46F4081		Can use any equivalent
BNC bulkhead conn.			Front panel connectors	qty=9			
Coaxial cable			For front panel connections		Type RG-174 or equiv.		
ribbon cable, 9 cond.			For front panel connections				
9 pin d-sub, female			mass term conn for front panel	qty=2			
10 pin IDC, female			mass term conn	qty=2			
Front & rear panels				1 each		Front panel express	
Enclosure						OKW enclosures	M5502110
Standoffs				qty=4	SRLCBS-6-01-ND	Richco plactic co.	SRLCBS-6-01