

T808 Parts List (IPN 220-01183-03)

How To Use This Parts List

The components listed in this parts list are divided into two main types: those with a circuit reference (e.g. C2, D1, R121, etc) and those without (miscellaneous and mechanical). Static sensitive devices are prefixed with (S).

Those with a circuit reference are grouped by component type in numerical order. Each component entry comprises three or four columns: the circuit reference, variant number (if applicable), IPN and description. A number in the variant column indicates that this component is fitted only to that variant.

The miscellaneous and mechanical section lists the parts in IPN order and where possible the legend indicates their position on the exploded view.

Parts List Amendments

R13A Changed from 10E to 68E (94/06-301).
 R93 Changed from 1K to 910E (94/06-301).
 R1 & R85 Changed from 030-08100-30 to -31 due to incorrect voltage rating of the original (93/07-348).
 R1 & R85 10M added to underside of PCB to meet BAPT high voltage requirements (93/04-202).
 FC1 & FC2 (Fuseholders) changed from 6.3mm (340-00010-06) to 5mm, due to being the wrong size (93/04-181).
 C23 Changed from 020-08470-07 to -09 due to high profile of the original (92/10-742).

Important mechanical assembly changes to this issue are as follows:

Sidecover Changed from 303-23128-00 to -01. Width increased by 0.5mm to pass BAPT high voltage test (94/05-243).
 Spacer Changed from 319-30030-00 to -01. Length increased by 0.5mm to pass BAPT high voltage test (94/05-243).
 Screw 4-40 1/4" Changed from 349-00020-06 to -07 (5/16") due to obsolete component (93/08-410).
 Gasket 362-00010-07 replaced by insulator 54*30 (362-01024-00) to meet BAPT high voltage requirements (93/04-202).

Ref	Var	IPN	Description	Ref	Var	IPN	Description
C1		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED	C60		017-15470-01	CAP CER SURFACE BARRIER 47N 20% 50V
C2		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED	C61		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S
C3		022-06470-04	CAP MYLAR 470N 10% 250VAC	C62		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C4		022-06470-04	CAP MYLAR 470N 10% 250VAC	C63		022-57100-02	CAP MYLAR AI 1M 20% 50V POTTED
C5		012-04220-06	CAP CER 2N2 3-PIN SUPPR FLTR	C65		020-09470-07	CAP 470M 16V 20% ELEC VERT 8*20 3.5MM L/S LO-ESR
C6		012-04220-06	CAP CER 2N2 3-PIN SUPPR FLTR	C66		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC
*C9		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MMLS	C67		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC
*C10		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MMLS	*C68		020-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C11		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MMLS	*C69		020-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C12		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MMLS	*C70		020-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C13		024-07100-00	CAP 1M 250VDC 5% POLYPROP.22.5 L/S	*C71		020-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C14		024-07100-00	CAP 1M 250VDC 5% POLYPROP.22.5 L/S	*C72		020-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C15		010-03470-03	CAP 470P T/C B 10% 6KV CERAMIC	*C73		020-19330-02	CAP 3300M 16V ELEC 13*40 VERT
C16		025-07100-01	CAP TANT BEAD 1M 35V	C74		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
C17		011-53470-02	CAP CER AI 470P 10% T/C B 63V	C75		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
C20		010-04100-04	CAP CER 1N 10% T/C B 400V	C78		020-09820-01	CAP 820M 16V ELECT 10X25MM
C21		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C79		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C22		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C80		010-04100-04	CAP CER 1N 10% T/C B 400V
C23		020-08470-09	CAP ELECT RADL 47M 16V 10X18MM HI TEMP	C81		010-04100-04	CAP CER 1N 10% T/C B 400V
C24		020-07100-04	CAP ELECT RADL 1M 63V 8X12MM HI TEMP	C82		010-04100-04	CAP CER 1N 10% T/C B 400V
C25		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	C84		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C26		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C85		011-52330-01	CAP CER AI 33P 5% N150 50/63V
C27		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C86		022-54100-10	CAP MYLAR AI 1N 5% 63V POTTED
C31		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C87		022-54220-10	CAP MYLAR AI 2N2 5% 63V POTTED
C32		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C88		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED
C33		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	C89		011-52220-01	CAP CER AI 22P 5% N150 50/63V
C34		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	C90		010-04100-04	CAP CER 1N 10% T/C B 400V
C37		020-19220-04	CAP 2200M ELEC 35V 16X35 L ESR	C91		010-04100-04	CAP CER 1N 10% T/C B 400V
C38		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	C95		011-54100-01	CAP CER AI 1N 10% T/C B 63V
C39		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D1		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C42		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D2		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C43		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D3		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C44		025-07100-01	CAP TANT BEAD 1M 35V	D4		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C45		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D5		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C46		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D6		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C49		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D7		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C50		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D8		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C51		010-04100-04	CAP CER 1N 10% T/C B 400V	D11		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C54		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D12		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C55		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D13		008-00014-73	(S) LED HLMP5050 GREEN RT ANGLE PCB MTG
C56		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D14		001-00012-23	(S) DIODE BYV26C 1A/400V FAST SWITCH
C57		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S				
C59		011-54100-01	CAP CER AI 1N 10% T/C B 63V				

T808 Mechanical & Miscellaneous Parts (220-01183-03)

IPN	Legend	Description	IPN	Legend	Description
200-00010-35		WIRE T/C 1.5MM/1.4MM For L1 & L6. 35mm each	352-00010-08	15	NUT M3 COLD FORM HEX ST BZ D43 x1, Mains Socket x2, IC2 x1, Fan X4, Mounting Kit x2 (in bag)
201-00051-15		WIRE APPLC 1MM ² GREEN HI TEMP PVC85 For Earth Lead	352-00010-29	16	NUT M4 NYLOC HEX Handle x2
201-00060-09		WIRE REMIT 0.8MM ² PVC WHITE For Cut Out Switch on T1	353-00010-10		WASHER M3 FLAT 7MM*0.6MM ST BZ Mounting Kit x2 (in bag)
209-00010-26		TAPE COPPER 19MM * 0.08MM SCOTCH 1181 For taping switch to T1	353-00010-12	17	WASHER M3 SPRING BZ OR Z/C D43 x1, Mains Socket x2, IC2 x1, Fan x4
220-01183-03	1	PCB T807/T808 SMPS 2 OUNCE COPPER	356-00020-06		RECEPTL 6.3MM QUICK CONN FLARED INS For Earth Lead
240-02010-22		SKT MAINS 3PIN FLEX 2M/10A	356-00020-07		RECEPTL M3.5QUICK CONN M3.5 OPEN END For Earth Lead
*240-04020-72		SOCKET HOUSING 2 WAY MTG ULTREX To connect fan to PL-2	356-00020-21		TAB 6.3MM RT ANGLE SPADE CAR QCK CONN PCB Mounted Earth Connector
*240-04020-76		SKT RECEPTACLES WIRE CRIMP ULTREX To connect fan to PL-2	362-00010-13	18	BUSH INSULATING 1.1MM TOP HAT D43 Mounting x1
240-06010-27		BLANKING PLATE 2.5MM GREEN Fitted to SK-8	362-01024-00	19	INSULATOR 54*30 AS PER DRWG A4M2431 Q1/Q2 x1, D43 x1
*258-00010-04	22	FAN 12V TUBEAXIAL 40x40x20 MM Mount on rear panel	362-01052-00	20	XSTR CLAMPING BRKT T807/808 A4M2407 Bracing bracket for Q1 & Q2 x1
303-23128-01	2	COVR SIDE A2M2403/2 T807/808 COMP SCRNM	365-00011-54		LABEL WHITE RW 1556/2 90X24MM SPEC AD For outside of box
306-01010-00	3	FERRULE A4M948 HANDLE FXD EQUIP Place on handle x2	365-00013-59		LABEL T807/808 HI VOLT WARNING A4A651
307-02029-00		GUIDE REAR T807/808 A3M2409 Packed in box x2	365-00100-05		LABEL BLANK 50X9MM S/A METLSD POLYES Mounting Kit x1 (in bag) NB/ Label is to be placed over top of screened version on panel if power supply is to be 115 Volts
308-01007-00	4	HANDLE A4M949 FXD EQUIP Front Panel	365-01391-01		LABEL BLNK 30X10.8MM TAMPERMARK VOID Ser No x1, Job No x1, Rev No x1 & Elec Insp x1
308-13088-00		HSINK CLIP ON 14 OR 16 DIP INT CCTS ICs 4, 5 & 6	399-00010-10		RUBBER BAND NO 33
308-13091-00		HSINK PCB MTG TO-220 Heatsink for IC2 mounting to PCB	399-00010-51		BAG PLASTIC 75*100MM For Mounting Kit
311-00010-39		KNOB RED PLASTIC ROUND Pushes on to SW2	400-00020-01		SLEEING 0.7MM SIL RUBBER For Legs of R13A, R47 & R64
316-06399-00	5	PNL FRT COMPL T807 A3M2405/2	400-00020-03		SLEEING 1MM SIL RUBBER For Legs of R3, R11, 79A, R79B, R81 & R82
316-21176-02	6	PNL REAR A3M2427/2 T807 COMPL SCRNM	400-00020-05		SLEEING 1.5MM SIL RUBBER
318-01018-00	7	RAIL CHASSIS T807/808 A3M2404 Attached to PCB x2	400-00020-07		SLEEING 2MM SIL RUBBER Goes over wire for L1 & L6.
319-30030-01	8	SPACER A4M1115 T807/808 Between P.C.B. & Rails x6	410-01081-00		CRTN T800 KIWI REF22860 402X192X66MM
345-00040-06	9	SCREW M3*8MM PAN POZI ST BZ SK-3 x2, Mounting Kit x2 (in bag)	410-01082-00		CRTN 10 T800 KIWI REF24417 423X410X360
345-00040-12		SCREW M3X10MM CSK POZI ST BZ Mounting Kit x6 (in bag)			
345-00040-17	10	SCREW M3*16MM CSK POZI ST BZ D43 x1			
*345-00040-19	21	SCREW M3*25MM PAN POZI ST BZ Fan x4			
345-00040-24	11	SCREW M3X20MM CSK POZI ST BZ Q1/Q2 Bracing Bracket x2			
349-00020-07	12	SCREW 4-40 X 5/16 PAN POZI TAPTITE BLACK Front x4, Rear x4, Cover x4			
349-00020-08	13	SCREW TAPTITE 4-40X3/8IN CSK POZI BZ Covers to rails x16			
349-00020-34	14	SCREW M3*12 PAN POZI TAPTITE BZ P.C.B. to rails x6			

T808 Mechanical Assembly Exploded View

***replace A4 pages B8.2.13/B8.2.14 with A3
pages B8.2.13/B8.2.14, file name 800b82b.100***

T808 Mechanical Assembly Exploded View

***replace A4 pages B8.2.13/B8.2.14 with A3
pages B8.2.13/B8.2.14, file name 800b82b.100***

T807/808 Grid Reference Index (IPN 220-01183-03)

How To Use This Grid Reference Index

The first digit in the PCB layout reference is a "1" or "2", indicating the top or bottom side layout respectively, and the last two characters give the location of the component on that diagram.

The first digit in the circuit diagram reference is the sheet number, and the last two characters give the location of the component on that sheet.

Note: There is a silk screen printing error on the Issue 03 PCB. D36 and D37 are shown the wrong way around. This Grid Reference Index and the PCB Layout show these components in the correct positions.

Device	PCB	Circuit	Device	PCB	Circuit	Device	PCB	Circuit	Device	PCB	Circuit
C1	1:U11	1-C6	C74	1:R3	1-N9			1-D1	R34	1:G7	1-M3
C2	1:U12	1-C5	C75	1:R2	1-N8	IC4	1:Q6	1-L0	R35	1:G8	1-M3
C3	1:T11	1-C6	C78	1:V3	1-P8	IC5	1:R5	1-M1	R36	1:M6	1-M3
C4	1:R11	1-D6	C79	1:W3	1-Q8			1-N1	R37	1:M6	1-M2
C5	1:P10	1-D6	C80	1:X2	1-R9			1-M0	R38	1:M6	1-P2
C6	1:P12	1-D5	C81	1:X3	1-R8	IC6	1:R6	1-M1	R41	1:H7	1-N3
*C9	1:K9	1-F6	C82	1:X4	1-R7			1-N1	R42	1:E7	1-P3
*C10	1:H11	1-G6	C84	1:R7	1-N6			1-N0	R43	1:E7	1-P3
*C11	1:H9	1-F5	C85	1:S4	1-P6	IC7	1:S6	1-N6	R44	1:G8	1-Q3
*C12	1:K11	1-G5	C86	1:N4	1-P5	IC8	1:S5	1-P5	R47	1:G6	1-N0
*C13	1:J8	1-H5	C87	1:N5	1-P5	L1	1:X10	1-A6	R49	1:N10	1-B2
*C14	1:L8	1-H6	C88	1:N5	1-Q5	L2	1:V11	1-B6	R50	1:V6	1-E2
*C15	1:D3	1-H5	C89	1:N5	1-R5	L3	1:S11	1-C6	R51	1:W7	1-F2
C16	1:B11	1-K5	C90	1:X3	1-R6	L4	1:C12	1-K4	R52	1:V5	1-G3
C17	1:C8	1-J4	C91	1:X4	1-R5	L5	1:C12	1-K3	R53	1:U7	1-F2
C20	1:C12	1-K4	C95	1:T5	1-P7	L6	1:W3	1-Q9	R54B	1:U5	1-F2
C21	1:D8	1-J3	D1	1:N10	1-F6	L7	1:W5	1-D0	R55	1:W6	1-E1
C22	1:G6	1-L4	D2	1:N9	1-F6	L8	1:W5	1-D0	R56	1:W6	1-F0
C23	1:F6	1-M4	D3	1:N8	1-F6	PL-1	1:D9	1-E0	R57	1:W6	1-F1
C24	1:F7	1-M3	D4	1:M9	1-F6			1-E3	R58	1:W6	1-F0
C25	1:N6	1-M2	D5	1:D7	1-J4	PL-2	1:T6	1-H0	R59	1:V5	1-G1
C26	1:N6	1-M2	D6	1:D8	1-J4	*Q1	1:G12	1-L6	R61	1:G8	1-Q3
C27	1:L6	1-N2	D7	1:C8	1-J3	*Q2	1:E12	1-L4	R62	1:U6	1-G1
C31	1:E8	1-P3	D8	1:C7	1-J3	Q3	1:H6	1-L3	R63	1:U6	1-H0
C32	1:G8	1-P3	D11	1:C12	1-H2	Q4	1:M6	1-N2	R64	1:V6	1-D1
C33	1:H8	1-Q2	D12	1:B11	1-J5	Q6	1:U6	1-H1	R65	1:B11	1-J2
C34	1:H8	1-Q2	D13	1:A11	1-K5	Q7	1:B11	1-J2	R66	1:B11	1-J2
C37	1:P9	1-C2	D14	1:G11	1-L6	Q8	1:T5	1-P7	R67	1:C11	1-J2
C38	1:N7	1-D2	*D15	1:G12	1-L6	Q9	1:H5	1-K8	R70	1:P5	1-L2
C39	1:P7	1-E2	*D18	1:E12	1-L5	R1	2:X10		R71	1:P6	1-K1
C42	1:W7	1-E2	D19	1:E11	1-L4	R2	1:N11	1-E6	R72	1:P6	1-K1
C43	1:V5	1-F2	D20	1:H7	1-N4	R3	1:U10	1-E6	R73	1:P4	1-K0
C44	1:U5	1-F2	D21	1:H7	1-P4	R4	1:M8	1-G6	R74	1:P6	1-M2
C45	1:W6	1-F1	D22	1:N6	1-M3	R5	1:L10	1-G6	R75	1:Q6	1-M2
C46	1:W6	1-F0	D24	1:Q8	1-C2	R6	1:L10	1-G5	R79A	1:G2	1-H9
C49	1:U6	1-D1	D25	1:P8	1-C2	R7	1:M10	1-G5	R79B	1:G2	1-J9
C50	1:V6	1-E1	D26	1:N8	1-C2	R8	1:L11	1-G5	R80	1:W8	1-J9
C51	1:W5	1-D0	D27	1:P8	1-C2	R9	1:G10	1-H5	R80A	1:F4	1-J8
C54	1:P5	1-K0	D30	1:U7	1-F3	R11	1:D2	1-J6	R80B	1:G5	1-K8
C55	1:Q5	1-K2	D31	1:V7	1-F2	*R12	1:C7	1-J4	*R81	1:K5	1-K9
C56	1:P4	1-K2	D32	1:A11	1-J2	R13A	1:B10	1-J5	*R82	1:K5	1-K9
C57	1:Q5	1-K2	D36	1:P6	1-L1	R13B	1:B11	1-K5	R83	1:U5	1-Q8
C59	1:P6	1-K1	D37	1:Q6	1-M1	R14	1:C11	1-K5	R84	1:T5	1-Q8
C60	1:Q5	1-M2	D41	1:G4	1-J8	*R17	1:F12	1-M5	R85	2:X2	
C61	1:Q6	1-K0	D43	1:G2	1-H9	R18	1:F12	1-L5	R86	1:T4	1-N7
C62	1:Q6	1-K0			1-H9	*R19	1:D12	1-M5	R87	1:T4	1-P6
C63	1:H7	1-N1	*D46	1V3:	1-P8	R20	1:D12	1-M4	R88	1:S5	1-P6
C65	1:G5	1-K8	*FAN	1:Z8	1-J1	R24	1:D8	1-K4	R89	1:T4	1-Q6
C66	1:H3	1-H8	*F1	1:W10	1-B6	RV25	1:F8	1-K4	R90	1:S4	1-P6
C67	1:F3	1-J8	HS	1:P7		RV26	1:E8	1-K3	R91	1:N4	1-N5
*C68	1:N2	1-L8	IC1	1:G8	1-M4	R27	1:G6	1-L4	RV92	1:S5	1-Q5
*C69	1:P2	1-L8			1-Q3	R28	1:G6	1-L4	R93	1:T5	1-Q5
*C70	1:Q2	1-M8			1-Q2	R29	1:H6	1-L3	R94	1:P5	1-Q5
*C71	1:N3	1-M8	IC2	1:P7	1-D3	R30	1:G7	1-M4	R95	1:N5	1-Q4
*C72	1:P3	1-M8	IC3	1:U5	1-G2	R32	1:G6	1-M4	R96	1:N5	1-R5
*C73	1:Q3	1-N8			1-G0	R33	1:G7	1-M3	R98	1:W4	1-P7

<u>Device</u>	<u>PCB</u>	<u>Circuit</u>	<u>Device</u>	<u>PCB</u>	<u>Circuit</u>	<u>Device</u>	<u>PCB</u>	<u>Circuit</u>	<u>Device</u>	<u>PCB</u>	<u>Circuit</u>
R99	1:W4	1-P7									
RLY1	1:V8	1-J9									
		1-F6									
SW1	1:N12	1-E5									
		1-A3									
SW2	1:C9	1-J3									
SK-1		1-E0									
		1-E3									
SK-2		1-H0									
SK-3	1:X10	1-A4									
SK-4	1:X2	1-R9									
SK-5	1:X3	1-R8									
SK-6	1:Y3	1-R6									
SK-7	1:Y3	1-R6									
SK-8	1:Y4	1-R7									
T1	1:C5	1-J6									
T2	1:B8	1-J5									
T3	1:F10	1-M4									
T4	1:S8	1-B2									
*T5	1:K3	1-K8									
T6	1:T3	1-P8									
TAB-1	1:Y8	1-A7									
TC1		1-E3									
TP1	1:N7	1-G6									
TP2	1:G10	1-G5									
TP3	1:D8	1-J4									
TP4	1:L7	1-B0									
		1-C1									
TP5	1:C9	1-E3									
TP6	1:K7	1-P1									
TP7	1:J7	1-P1									