

5.2 T828 Power Amplifier PCB

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T828 Parts List (IPN 220-01197-02)

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).

Those with a circuit reference are grouped in alphabetical order and then in numerical order within each group. Each component entry comprises three or four columns: the circuit reference, variant (if applicable), IPN and description. A number in the variant column indicates that this is a variant component which is fitted only to the product type listed. Static sensitive devices are indicated by an (S) at the start of the description column.

The miscellaneous and mechanical section lists the variant and common parts in IPN order. Where possible, a number in the legend column indicates their position in the mechanical assembly drawing.

The Parts List Amendments box below lists component changes that took place after the parts list and diagrams in this section were compiled. These changes (e.g. value changes, added/deleted components, etc.) are listed by circuit reference in alphanumeric order and supersede the information given in the parts list or diagrams. Components without circuit references are listed in IPN order.

Parts List Amendments

RV63 2k 10 turn pot (IPN 044-04200-03) replaced with better quality 2k 15 turn pot (IPN 044-04200-06) and pot cover (IPN 044-04200-07) (710800).

Ref	Var	IPN	Description	Ref	Var	IPN	Description
C76		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	C287		010-02680-00	CAP CER 68P 5% NPO 500V 9.5MM OD DD09
C77		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	C288		015-03560-03	CAP CER CHIP 560P 5% NPO 100V HIQ GRH11
C78		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	C289		015-03560-03	CAP CER CHIP 560P 5% NPO 100V HIQ GRH11
C80		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	C290		015-03560-03	CAP CER CHIP 560P 5% NPO 100V HIQ GRH11
C81		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	C291		015-03560-03	CAP CER CHIP 560P 5% NPO 100V HIQ GRH11
C84		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	C292		015-03560-03	CAP CER CHIP 560P 5% NPO 100V HIQ GRH11
C85		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	C300		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V
C86		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	C301		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V
C87		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V				
C90		015-06100-08	CAP CER 1206 CHIP 100N 10% X7R 50V	D3		001-00011-60	(S) DIODE SR2607 6A/30V
C91		025-08100-02	CAP TANT BEAD 10M 10% 16V	D5		008-00013-32	(S) LED 3MM RED LO CURRENT NO MTG
C92		015-25100-08	CAP CER 0805 CHIP 10N 10% X7R 50V	D6		001-10000-70	(S) DIODE SMD BAV70 DUAL SWITCH SOT-23 CO
C93		015-23150-01	CAP CER 0805 CHIP 150P 5% NPO 50V	D10		008-00013-35	(S) LED 3MM GREEN LO CURRENT NO MTG
C95		015-06100-08	CAP CER 1206 CHIP 100N 10% X7R 50V	D11		008-00013-32	(S) LED 3MM RED LO CURRENT NO MTG
C96		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	D13		001-10000-70	(S) DIODE SMD BAV70 DUAL SWITCH SOT-23 C
C99		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	D200		001-00013-45	(S) DIODE SCHOTTKY 1SS97/2
C100		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	D201		001-00013-45	(S) DIODE SCHOTTKY 1SS97/2
C101		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V				
C103		015-25100-08	CAP CER 0805 CHIP 10N 10% X7R 50V	IC1		002-10003-24	(S) IC SMD 324 QUAD OP AMP SO14
C104		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	IC2		002-00014-62	(S) IC 317L 100MA REG 3 TERMINAL TO-92
C105		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	IC3		002-10003-58	(S) IC SMD LM358 DUAL OP AMP
C107		015-06100-08	CAP CER 1206 CHIP 100N 10% X7R 50V				
C108		015-23150-01	CAP CER 0805 CHIP 150P 5% NPO 50V	L11		065-00010-04	BEAD FERRITE F8 4X2X5MM
C109		015-23150-01	CAP CER 0805 CHIP 150P 5% NPO 50V	L200		052-08135-55	COIL A/W 5.5T/3.5MM HOR 0.8MM WIRE
C111		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	L201		052-08135-25	COIL A/W 2.5T/3.5MM HOR 0.8MM WIRE
C112		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V	L202		065-00010-08	BEAD FERRITE 4S3 3*0.7*10MM RED
C200		015-24470-08	CAP CER 0805 CHIP 4N7 10% X7R 50V	L203		052-08145-45	COIL A/W 4.5T/4.5MM HOR 0.8MM WIRE
C201		015-22560-01	CAP CER 0805 CHIP 56P 5% NPO 50V	L204		065-00010-01	BEAD FERRITE 3B 6 HOLE
C202		020-07470-04	CAP ELECT RADL 4M7 25V 20% 8X13MM SOLID	L205		052-08140-35	COIL A/W 3.5T/4.0MM HOR 0.8MM WIRE
C203		011-54100-01	CAP CER AI 1N 10% T/C B 63V	L206		052-08160-35	COIL A/W 3.5T/3.0MM HOR 0.8MM WIRE
C204		011-54470-03	CAP CER AI 4N7 10% T/C B 50V	L207		052-08130-45	COIL A/W 4.5T/6.0MM HOR 0.8MM WIRE
C205		015-23120-01	CAP CER 0805 CHIP 120P 5% NPO 50V	L209		065-00010-01	BEAD FERRITE 3B 6 HOLE
C206		015-22270-01	CAP CER 0805 CHIP 27P 5% NPO 50V	L210		052-08130-35	COIL A/W 3.5T/3.0MM HOR 0.8MM WIRE
C207		015-24470-08	CAP CER 0805 CHIP 4N7 10% X7R 50V	L211		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED
C208		011-54100-01	CAP CER AI 1N 10% T/C B 63V	L212		052-08130-15	COIL A/W 1.5T/3.0MM HOR 0.8MM WIRE
C209		011-52390-01	CAP CER AI 39P 5% N150 50/63V	L213		052-08140-35	COIL A/W 3.5T/4.0MM HOR 0.8MM WIRE
C210		011-52390-01	CAP CER AI 39P 5% N150 50/63V	L213A		052-08145-65	COIL A/W 5.5T/4.5MM HOR 0.8MM WIRE
C211		011-53120-01	CAP CER AI 120P 5% N150 50/63V	L219		052-08131-05	COIL A/W 10.5T/3.0MM HOR 0.8MM WIRE
C213		015-03470-03	CAP CER CHIP 470P 5% NPO 200V HIQ GRH11	L220		052-08140-65	COIL A/W 6.5T/4.0MM HOR 0.8MM WIRE
C214		011-54100-01	CAP CER AI 1N 10% T/C B 63V	L221		052-08140-65	COIL A/W 6.5T/4.0MM HOR 0.8MM WIRE
C215		011-54470-03	CAP CER AI 4N7 10% T/C B 50V	L222		052-08145-45	COIL A/W 4.5T/4.5MM HOR 0.8MM WIRE
C216		010-02680-00	CAP CER 68P 5% NPO 500V 9.5MM OD DD09	L223		052-08140-15	COIL A/W 1.5T/4.0MM HOR 0.8MM WIRE
C217		020-07470-04	CAP ELECT RADL 4M7 25V 20% 8X13MM SOLID	L224		065-00010-01	BEAD FERRITE 3B 6 HOLE
C218		010-03150-01	CAP CER 150P 5% NPO 500V	L225		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED
C219		010-02680-00	CAP CER 68P 5% NPO 500V 9.5MM OD DD09	L226		052-08140-45	COIL A/W 4.5T/4.0MM HOR 0.8MM WIRE
C220		010-02390-00	CAP CER 39P 5% NPO 500V 7.5MM OD DD07	L229		052-08335-10	COIL A/W 1T/3.5MM SMD 0.8MM WIRE
C220A		010-02390-00	CAP CER 39P 5% NPO 500V 7.5MM OD DD07	L230		052-08125-15	COIL A/W 1.5T/2.5MM HOR 0.8MM WIRE
C221		011-54100-01	CAP CER AI 1N 10% T/C B 63V	L240		052-08145-45	COIL A/W 4.5T/4.5MM HOR 0.8MM WIRE
C223		010-03150-01	CAP CER 150P 5% NPO 500V	L241		052-08140-15	COIL A/W 1.5T/4.0MM HOR 0.8MM WIRE
C229		010-02820-00	CAP CER 82P 5% NPO 500V 9.5MM OD DD09	L242		065-00010-01	BEAD FERRITE 3B 6 HOLE
C230		010-02390-00	CAP CER 39P 5% NPO 500V 7.5MM OD DD07	L243		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED
C231		010-02390-00	CAP CER 39P 5% NPO 500V 7.5MM OD DD07	L244		052-08140-45	COIL A/W 4.5T/4.0MM HOR 0.8MM WIRE
C232		010-02560-00	CAP CER 56P 5% NPO 500V 8.0MM OD DD08	L245		052-08335-10	COIL A/W 1T/3.5MM SMD 0.8MM WIRE
C234		010-02680-00	CAP CER 68P 5% NPO 500V 9.5MM OD DD09	L246		052-08125-15	COIL A/W 1.5T/2.5MM HOR 0.8MM WIRE
C235		010-02680-00	CAP CER 68P 5% NPO 500V 9.5MM OD DD09	L249		052-08131-15	COIL A/W 11.5T/3.0MM HOR 0.8MM WIRE
C236		015-03470-03	CAP CER CHIP 470P 5% NPO 200V HIQ GRH11	L250		052-08140-65	COIL A/W 6.5T/4.0MM HOR 0.8MM WIRE
C237		017-15470-01	CAP CER SURFACE BARRIER 47N 20% 50V	L251		052-08140-65	COIL A/W 6.5T/4.0MM HOR 0.8MM WIRE
C238		010-02560-00	CAP CER 56P 5% NPO 500V 8.0MM OD DD08	L254		052-08135-85	COIL A/W 8.5T/3.5MM HOR 0.8MM WIRE
C239		015-03150-03	CAP CER CHIP 150P 5% NPO 300V HIQ GRH11	L255		052-08155-45	COIL A/W 4.5T/5.5MM HOR 0.8MM WIRE
C240		015-03150-03	CAP CER CHIP 150P 5% NPO 300V HIQ GRH11	L256		052-08140-25	COIL A/W 2.5T/4.0MM HOR 0.8MM WIRE
C241		015-02680-03	CAP CER CHIP 68P 5% NPO 500V HIQ GRH11	L257		052-08155-45	COIL A/W 4.5T/5.5MM HOR 0.8MM WIRE
C242		010-04100-01	CAP CER 1N 10% T/C B 50V	L258		052-08135-85	COIL A/W 8.5T/3.5MM HOR 0.8MM WIRE
C243		010-02390-00	CAP CER 39P 5% NPO 500V 7.5MM OD DD07	L259		052-08130-45	COIL A/W 4.5T/3.0MM HOR 0.8MM WIRE
C244		010-02390-00	CAP CER 39P 5% NPO 500V 7.5MM OD DD07	L260A		056-00021-52	IND FXD 820NH 10% NON MAGNETIC
C245		010-04100-01	CAP CER 1N 10% T/C B 50V	L260B		056-00021-60	IND FXD 330NH 6.6X2.7MM AXIAL NON MAGN
C250		010-02390-00	CAP CER 39P 5% NPO 500V 7.5MM OD DD07	L300		052-08130-45	COIL A/W 4.5T/3.0MM HOR 0.8MM WIRE
C251		010-02560-00	CAP CER 56P 5% NPO 500V 8.0MM OD DD08			056-00021-00	IND FXD 3.3UH AXIAL
C252		010-02680-00	CAP CER 68P 5% NPO 500V 9.5MM OD DD09	Q1		000-00021-65	(S) XSTR SD1012-9 NPN STUD MTG VHF PWR
C253		010-02680-00	CAP CER 68P 5% NPO 500V 9.5MM OD DD09	Q2		000-00030-74	(S) XSTR MRF234 STUD MTG RF PWR 25W 90MH
C254		015-03470-03	CAP CER CHIP 470P 5% NPO 200V HIQ GRH11	Q3		000-00022-66	(S) XSTR SD1019-18 VHF PWR 40W STUD MTD
C255		017-15470-01	CAP CER SURFACE BARRIER 47N 20% 50V	Q4		000-00022-66	(S) XSTR SD1019-18 VHF PWR 40W STUD MTD
C256		020-07470-04	CAP ELECT RADL 4M7 25V 20% 8X13MM SOLID	Q10		000-00020-70	(S) XSTR BS170 JFET TO-92 SMALL SIG
C257		017-15470-01	CAP CER SURFACE BARRIER 47N 20% 50V	Q11		000-10008-17	(S) XSTR SMD BC817-25 NPN SOT-23 AF LO P
C258		010-02560-00	CAP CER 56P 5% NPO 500V 8.0MM OD DD08	Q12		000-00020-70	(S) XSTR BS170 JFET TO-92 SMALL SIG
C259		015-03150-03	CAP CER CHIP 150P 5% NPO 300V HIQ GRH11	Q13		000-10008-17	(S) XSTR SMD BC817-25 NPN SOT-23 AF LO P
C260		015-03150-03	CAP CER CHIP 150P 5% NPO 300V HIQ GRH11	Q14		000-10008-48	(S) XSTR SMD BCW60/BC48B215 NPN SOT23 A
C261		010-02680-03	CAP CER CHIP 68P 5% NPO 500V HIQ GRH11	Q15		000-10008-17	(S) XSTR SMD BC817-25 NPN SOT-23 AF LO P
C262		010-04100-01	CAP CER 1N 10% T/C B 50V	Q16		000-00030-95	(S) XSTR 2N6107 PNP TO-220 AF PWR
C263		010-02390-00	CAP CER 39P 5% NPO 500V 7.5MM OD DD07				
C264		010-04100-01	CAP CER 1N 10% T/C B 50V	R36		036-13680-00	RES M/F 0805 CHIP 680E 5%
C265		010-02390-00	CAP CER 39P 5% NPO 500V 7.5MM OD DD07	R38		036-17100-00	RES M/F 0805 CHIP 1M 5%
C269		010-02390-00	CAP CER 39P 5% NPO 500V 7.5MM OD DD07	R39		036-16100-00	RES M/F 0805 CHIP 100K 5%
C270		010-02820-00	CAP CER 82P 5% NPO 500V 9.5MM OD DD09	R42		036-15100-00	RES M/F 0805 CHIP 10K 5%
C271		015-23150-01	CAP CER 0805 CHIP 150P 5% NPO 50V	R44		036-14470-00	RES M/F 0805 CHIP 4K7 5%
C271A		015-21680-01	CAP CER 0805 CHIP 6P8 +/-0.25P NPO 50V	R47		036-15270-00	RES M/F 0805 CHIP 27K 5%
C272		015-23150-01	CAP CER 0805 CHIP 150P 5% NPO 50V	R49		036-13680-00	RES M/F 0805 CHIP 680E 5%
C273		015-23150-01	CAP CER 0805 CHIP 150P 5% NPO 50V	R50		036-13680-00	RES M/F 0805 CHIP 680E 5%
C274		015-23150-01	CAP CER 0805 CHIP 150P 5% NPO 50V	R55		036-17100-00	RES M/F 0805 CHIP 1M 5%
C275		015-02330-03	CAP CER CHIP 33P 5% NPO 500V HIQ GRH11	R56		036-15100-00	RES M/F 0805 CHIP 10K 5%
C276		015-02470-03	CAP CER CHIP 47P 5% NPO 500V HIQ GRH11	R58		036-14470-00	RES M/F 0805 CHIP 4K7 5%
C277		015-02220-03	CAP CER CHIP 22P 5% NPO 500V HIQ GRH11	R61		036-13220-00	RES M/F 0805 CHIP 220E 5%
C278		015-02470-03	CAP CER CHIP 47P 5% NPO 500V HIQ GRH11	R62		036-14100-00	RES M/F 0805 CHIP 1K 5%
C279		015-02220-03	CAP CER CHIP 22P 5% NPO 500V HIQ GRH11	R64		036-14470-00	RES M/F 0805 CHIP 4K7 5%
C280		015-02470-03	CAP CER CHIP 47P 5% NPO 500V HIQ GRH11	R67		036-15100-00	RES M/F 0805 CHIP 10K 5%
C281		015-02330-03	CAP CER CHIP 33P 5% NPO 500V HIQ GRH11	R68		036-14470-00	RES M/F 0805 CHIP 4K7 5%
C282		015-22680-01	CAP CER 0805 CHIP 68P 5% NPO 50V	R73		036-16220-00	RES M/F 0805 CHIP 220K 5%
C283		015-21680-01	CAP CER 0805 CHIP 6P8 +/-0.25P NPO 50V	R74		036-14470-00	RES M/F 0805 CHIP 4K7 5%
C286		010-02680-00	CAP CER 68P 5% NPO 500V 9.5MM OD DD09				

Ref	Var	IPN	Description	Ref	Var	IPN	Description
R75		036-14470-00	RES M/F 0805 CHIP 4K7 5%				
R76		036-14220-00	RES M/F 0805 CHIP 2K2 5%				
R77		036-14220-00	RES M/F 0805 CHIP 2K2 5%				
R78		036-14270-00	RES M/F 0805 CHIP 2K7 5%				
R79		036-13220-00	RES M/F 0805 CHIP 220E 5%				
R80		036-13100-00	RES M/F 0805 CHIP 100E 5%				
R81		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R82		036-14470-00	RES M/F 0805 CHIP 4K7 5%				
R83		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R84		036-14470-00	RES M/F 0805 CHIP 4K7 5%				
R85		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R86		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R87		036-12100-00	RES M/F 0805 CHIP 10E 5%				
R89		036-13100-00	RES M/F 0805 CHIP 100E 5%				
R90		036-15100-00	RES M/F 0805 CHIP 10K 5%				
R92		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R93		036-14560-00	RES M/F 0805 CHIP 5K6 5%				
R94		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R95		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R96		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R97		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R98		036-12100-00	RES M/F 0805 CHIP 10E 5%				
R99		036-14270-00	RES M/F 0805 CHIP 2K7 5%				
R100		036-14470-00	RES M/F 0805 CHIP 4K7 5%				
R200		030-02120-20	RES FILM 12E 5% 0.4W 4X1.6MM				
R201		030-02120-20	RES FILM 12E 5% 0.4W 4X1.6MM				
R202		030-53820-20	RES FILM AI 820E 5% 0.4W 4X1.6MM				
R203		030-53820-20	RES FILM AI 820E 5% 0.4W 4X1.6MM				
R204		030-03270-10	RES FILM 270E 5% 0.5W 7X2.5MM				
R205		032-33180-00	RES M/F PWR 180E 5% 1W 12X4.5MM				
R206		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM				
R207		032-33180-01	RES M/F PWR 180E 5% 2.5W 17X5MM				
R208		032-33180-01	RES M/F PWR 180E 5% 2.5W 17X5MM				
R209		032-32220-00	RES M/F PWR 22E 5% 1W 12X4.5MM				
R210		032-33180-01	RES M/F PWR 180E 5% 2.5W 17X5MM				
R211		032-33180-01	RES M/F PWR 180E 5% 2.5W 17X5MM				
R212		032-32100-00	RES M/F PWR 10E 5% 1W 10X4MM				
R213		030-01100-00	RES FILM 1E 5% 0.25W 7X2.5MM				
R214		030-52180-20	RES FILM AI 18E 5% 0.4W 4X1.6MM				
R215		030-52180-20	RES FILM AI 18E 5% 0.4W 4X1.6MM				
R216		030-52180-20	RES FILM AI 18E 5% 0.4W 4X1.6MM				
R217		030-01100-10	RES FILM 1E 5% 0.5W 7X2.5MM				
R218		030-01100-10	RES FILM 1E 5% 0.5W 7X2.5MM				
R219		030-01100-10	RES FILM 1E 5% 0.5W 7X2.5MM				
R219A		030-01100-10	RES FILM 1E 5% 0.5W 7X2.5MM				
R220		032-33100-02	RES M/F PWR 100E 5% 6W 33X9MM				
R221		032-33180-01	RES M/F PWR 180E 5% 2.5W 17X5MM				
R222		032-32220-00	RES M/F PWR 22E 5% 1W 12X4.5MM				
R223		032-33180-01	RES M/F PWR 180E 5% 2.5W 17X5MM				
R224		032-33180-01	RES M/F PWR 180E 5% 2.5W 17X5MM				
R225		032-32220-00	RES M/F PWR 22E 5% 1W 12X4.5MM				
R226		032-33180-01	RES M/F PWR 180E 5% 2.5W 17X5MM				
R227		032-32100-00	RES M/F PWR 10E 5% 1W 10X4MM				
R228		032-32100-00	RES M/F PWR 10E 5% 1W 10X4MM				
R230		039-02500-01	RES DUMP LOAD 50E 1% 10W TO-220 NIKKOHM				
R231		039-02500-01	RES DUMP LOAD 50E 1% 10W TO-220 NIKKOHM				
R232		036-13100-00	RES M/F 0805 CHIP 100E 5%				
R233		036-13100-00	RES M/F 0805 CHIP 100E 5%				
R250		032-32100-00	RES M/F PWR 10E 5% 1W 10X4MM				
R260		036-13270-00	RES M/F 0805 CHIP 270E 5%				
R290		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R291		036-15470-00	RES M/F 0805 CHIP 47K 5%				
R292		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R293		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R294		036-15470-00	RES M/F 0805 CHIP 47K 5%				
R295		036-14100-00	RES M/F 0805 CHIP 1K 5%				
R300		045-04470-01	RES NTC 4K7 5% 5MM DISC				
RV43		042-05470-09	RES PRESET 50K CERMET 9.5MM SQ FLAT				
RV48		042-04500-08	RES PRESET 5K CERMET 9.5MM SQ FLAT				
RV52		042-04500-08	RES PRESET 5K CERMET 9.5MM SQ FLAT				
RV57		042-05470-09	RES PRESET 50K CERMET 9.5MM SQ FLAT				
RV63		044-04200-03	RES PRESET MULTITURN 2K 10T PNL MTG				
RV69		042-04220-02	RES PRESET 2K CERMET 9.5MM SQ FLAT TOP				
RV74		042-05470-09	RES PRESET 50K CERMET 9.5MM SQ FLAT				
SK1		240-02100-44	SKT COAX MINI JACK PCB MTG ANGLED				

T828 Mechanical & Miscellaneous Parts (220-01197-02)

IPN	Description	IPN	Description
008-00014-79	S)LED 3MM RED WITH WIRE	349-00020-09	SCRW T/T 4-40X3/8 IN P/POZ BLK
008-00014-80	S)LED 3MM GREEN WITH WIRE	349-00020-36	SCREW TT M3X8m PANTORX BLK
065-00010-08	BEAD FERR 4S3 3*0.7*10MM RED	352-00010-29	NUT M4 NYLOC HEX
065-00010-20	BEAD FERRITE BALUN 4B1 PHILIPS	352-00010-35	NUT 8-32 UNC HEX XSTR MTG Q1 & Q2
070-01001-00	D-RANGE 15 WAY COMPL T800	352-00010-36	NUT 10-32 UNF LARGE STUD Q3 & Q4
201-00030-01	WIRE #1 T/C WIRE 7/0.2MM PVC BROWN 1x 410mm	353-00010-10	WSHR M3 FLAT 7MM*0.6MM ST BZ Q16
201-00030-02	WIRE #1 T/C WIRE 7/0.2MM PVC RED 3x 20mm	356-00010-03	TAG SOLDER 3MM LONG M614/3.2
201-00030-03	WIRE #1 T/C WIRE 7/0.2MM PVC ORANGE 1x 235mm	360-00010-41	BUSH SHORTY BLK
201-00030-04	WIRE #1 T/C WIRE 7/0.2MM PVC YELLOW 1x 325mm	362-00010-07	GASKET SIL INSULATING TO-220 Q16
201-00030-05	WIRE #1 T/C WIRE 7/0.2MM PVC GREEN 1x 265mm	362-00010-13	BUSH INSULATING 1.1MM TOP HAT Q16
201-00030-06	WIRE #1 T/C WIRE 7/0.2MM PVC BLUE 1x 410mm	362-00010-33	GROMMET LED MTG 3MM
201-00030-07	WIRE #1 T/C WIRE 7/0.2MM PVC VIOLET 1x 410mm	365-00011-53	LABEL 104*37MM
201-00030-09	WIRE #1 T/C WIRE 7/0.2MM PVC WHITE 1x 285mm	365-01540-00	LABEL PA TYPE APPL/SERIAL NO
201-00030-10	WIRE #1 T/C WIRE 7/0.2MM PVC BLACK 1x 310mm, 3x 25mm-FOR LEDS	369-00010-14	TIE CABLE NYLON 100*2.6MM
201-00050-12	CABLE AUTO 152 RED 28/0.3MM PVC 1x 290mm, 1x 220mm	399-00010-56	BAG PLASTIC 200*250MM
201-00050-20	CABLE AUTO 152 BLACK 28/0.3MM PVC 1x 40mm	400-00020-69	HEATSHRINK 12.7MM
206-00010-11	CABLE COAX 50 OHM RG316-U PTFE 2x 790mm (90 deg phase section)	410-01081-00	CRTN T800 PRNTD 402X192X66MM
209-00010-25	STRIP CU 3*0.35 SLOT CAR TRACK		
219-02609-00	COAX 190MM 1 MINI PIN 1 PNL JK		
220-01197-02	PCB T828 PA		
240-02010-54	SKT 15W DRANGE PNL MTG 125 C		
240-02100-06	SKT COAX N TYPE PNL MTG OPEN TERMN		
240-06010-14	CLAMP LATCHING 15 W D RANGE		
240-06010-15	BLOCK LATCHING 15W D RANGE		
303-23117-00	COVER SIDE COMPL A2M2223		
303-50005-00	CONTACT A4M2311 SPRING EARTH		
308-01007-01	HANDLE BASE STATION SERIES II		
308-13068-01	HSINK DIECAST A1M2274		
316-06617-00	PNL PA NO INP DRV SER II SNGL		
316-85018-00	PIN A4M1397 COAX CONDUCTOR N-type connector extension		
319-01147-00	SHIELD A3M2224 WALL T859 PA		
319-01148-00	SHIELD A3M2225 LID T859 PA		
345-00040-06	SCRW M3*8MM P/POZ ST BZ		
345-00040-16	SCRW M3X20MM P/POZ ST BZ		
349-00020-07	SCRW 4-40 X 5/16 P/POZ T/T BLK		

T828 Grid Reference Index (IPN 220-01197-02)

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.

Device	PCB	Circuit	Device	PCB	Circuit	Device	PCB	Circuit	Device	PCB	Circuit
C76	1:N7	2-B6	C240	1:E3	1-G1	IC1	1:N3	2-H0	Q2	1:K3	1-L8
C77	1:N7	2-C6	C241	1:E3	1-H1			2-F7	Q3	1:G6	1-F3
C78	1:N7	2-D5	C242	1:E3	1-H2			2-E4	Q4	1:G3	1-F1
C80	1:N3	2-F6	C243	1:D4	1-J1			2-N4	Q10	1:N7	2-B7
C81	1:N2	2-G5	C244	1:J4	1-A2			2-N1	Q11	1:N7	2-D6
C84	1:N6	2-C4	C245	1:F4	1-F2	IC2	1:N6	2-K4	Q12	1:N6	2-C4
C85	1:N6	2-C4	C250	1:J5	1-B3	IC3	1:M4	2-J7	Q13	1:N6	2-D4
C86	1:N4	2-E3	C251	1:H6	1-C3			2-H6	Q14	1:P3	2-P1
C87	1:L2	2-G3	C252	1:H6	1-D3			2-H3	Q15	1:M6	2-Q4
C90	1:N5	2-K4	C253	1:H5	1-D3				Q16	1:M7	2-R4
C91	1:P6	2-N4	C254	1:H6	1-E3	L11	1:N4	1-N9			
C92	1:N3	2-P5	C255	1:G4	1-E4	L200	1:K7	1-C7	R36	1:P6	2-C5
C93	1:M3	2-N5	C256	1:G4	1-F4	L201	1:K6	1-C7	R38	1:N4	2-E6
C95	1:N3	2-H0	C257	1:G6	1-F3	L202	1:L6	1-D9	R39	1:N4	2-E5
C96	1:N3	2-N2	C258	1:F6	1-G3	L203	1:L5	1-D9	R42	1:N3	2-G6
C99	1:N3	2-M0	C259	1:F6	1-G3	L204	1:J6	1-D7	R44	1:M3	2-H6
C100	1:N3	2-N4	C260	1:E6	1-H3	L205	1:K5	1-E8	R47	1:N4	2-F5
C101	1:P3	2-P1	C261	1:E5	1-H3	L206	1:L5	1-G7	R49	1:P7	2-C5
C103	1:M6	2-Q4	C262	1:D5	1-J4	L207	1:L4	1-J7	R50	1:P6	2-D5
C104	1:N5	2-R5	C263	1:D5	1-J3	L209	1:L4	1-L7	R55	1:N4	2-E3
C105	1:M6	2-R5	C264	1:F5	1-G4	L210	1:K2	1-L8	R56	1:N4	2-F4
C107	1:N4	2-H7	C265	1:D5	1-L2	L211	1:L2	1-L9	R58	1:N4	2-H5
C108	1:M3	2-J6	C269	1:D4	1-L2	L212	1:K2	1-M8	R61	1:N6	2-L4
C109	1:N4	2-J4	C270	1:D5	1-L3	L213	1:K2	1-N8	R62	1:N5	2-L4
C111	1:N7	2-A7	C271	1:C5	1-N3	L213A	1:J2	1-P7	R64	1:N3	2-N4
C112	1:N6	2-B4	C271A	1:C5	1-M3	L219	1:K4	1-A2	R67	1:N3	2-M2
C200	1:K7	1-B7	C272	1:D6	1-P3	L220	1:J5	1-B3	R68	1:N3	2-L2
C201	1:L7	1-B7	C273	1:D7	1-M1	L221	1:J4	1-B2	R73	1:N3	2-N2
C202	1:M6	1-C9	C274	1:D7	1-N1	L222	1:J3	1-C1	R74	1:N3	2-N1
C203	1:L6	1-D9	C275	1:C4	1-N2	L223	1:H3	1-D1	R75	1:N3	2-P1
C204	1:L6	1-D8	C276	1:B4	1-P2	L224	1:H2	1-F1	R76	1:P3	2-P1
C205	1:K6	1-C7	C277	1:B4	1-P2	L225	1:G4	1-F2	R77	1:N3	2-P5
C206	1:K5	1-E7	C278	1:B5	1-P2	L226	1:F3	1-F2	R78	1:N6	2-Q4
C207	1:K5	1-E8	C279	1:B5	1-Q2	L229	1:F3	1-G2	R79	1:N3	2-N5
C208	1:L6	1-E9	C280	1:B5	1-Q2	L230	1:E3	1-H2	R80	1:M6	2-Q5
C209	1:L5	1-G8	C281	1:B6	1-R2	L240	1:J6	1-C3	R81	1:N4	2-D6
C210	1:L4	1-G8	C282	1:K5	1-E7	L241	1:H6	1-D3	R82	1:N4	2-D6
C211	1:L4	1-J8	C283	1:D7	1-M2	L242	1:H6	1-F3	R83	1:N4	2-D3
C213	1:K4	1-J7	C286	1:E3	1-H1	L243	1:G4	1-F4	R84	1:N4	2-D4
C214	1:L2	1-L9	C287	1:E5	1-H3	L244	1:F5	1-F4	R85	1:M4	2-F3
C215	1:L3	1-L8	C288	1:G5	1-E3	L245	1:F6	1-G4	R86	1:M3	2-G6
C216	1:K2	1-M7	C289	1:G6	1-F3	L246	1:E5	1-H4	R87	1:N3	2-P5
C217	1:L3	1-M8	C290	1:G3	1-E1	L249	1:D5	1-L2	R89	1:M6	2-R4
C218	1:K2	1-M7	C291	1:G3	1-F1	L250	1:D4	1-K3	R90	1:M6	2-Q3
C219	1:K2	1-N7	C292	1:K3	1-L7	L251	1:D4	1-K2	R92	1:L2	2-D3
C220	1:K2	1-N8	C300	1:H4	1-C2	L254	1:C4	1-N3	R93	1:M2	2-F5
C220A	1:J2	1-P8	C301	1:H4	1-D2	L255	1:B4	1-P3	R94	1:N2	2-F7
C221	1:L3	1-M8				L256	1:B4	1-P2	R95	1:N3	2-M1
C223	1:K2	1-M7	D3	1:M2	2-A1	L257	1:B5	1-Q3	R96	1:M3	2-K7
C229	1:K4	1-A2	D5	1:P7	2-C6	L258	1:B6	1-R3	R97	1:M4	2-K4
C230	1:J5	1-A2	D6	1:M2	2-G5	L259	1:E3	1-H2	R98	1:N5	2-M5
C231	1:J3	1-B1				L260	1:D6	1-M2	R99	1:N5	2-M4
C232	1:H3	1-C1	D10	1:P7	2-C4	L260A	1:C5	1-N3	R100	1:N5	2-M4
C234	1:H3	1-D1	D11	1:P6	2-D4	L261	1:E5	1-H4	R200	1:K7	1-B7
C235	1:H3	1-D1	D13	1:L2	2-F2	L300	1:H4	1-C2	R201	1:K7	1-B7
C236	1:H3	1-E1							R202	1:K7	1-B7
C237	1:G2	1-F2	D200	1:C5	1-N3	PL1	1:E5	2-B0	R203	1:L7	1-B7
C238	1:F3	1-G1	D201	1:D7	1-M2				R204	1:L6	1-D8
C239	1:F3	1-G1				Q1	1:K6	1-D7	R205	1:L6	1-D9

<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>
R206	1:K6	1-D7									
R207	1:L5	1-G7									
R208	1:M5	1-G7									
R209	1:L3	1-L7									
R210	1:L3	1-L8									
R211	1:L2	1-L8									
R212	1:L3	1-L9									
R213	1:L5	1-C8									
R214	1:K6	1-D8									
R215	1:K6	1-D7									
R216	1:K6	1-D7									
R217	1:K4	1-K8									
R218	1:K4	1-K8									
R219	1:K4	1-K8									
R219A	1:K4	1-K7									
R220	1:J5	1-B2									
R221	1:G2	1-F2									
R222	1:H3	1-F1									
R223	1:F4	1-G2									
R224	1:G7	1-F4									
R225	1:H6	1-F3									
R226	1:F5	1-G4									
R227	1:F4	1-G4									
R228	1:F4	1-G2									
R230	1:E4	1-K3									
R231	1:E4	1-K2									
R232	1:C6	1-N2									
R233	1:D6	1-M3									
R250	1:G4	1-E4									
R260	1:D6	1-M2									
R290	1:D7	1-M2									
R291	1:D7	1-N1									
R292	1:D7	1-N2									
R293	1:D7	1-N4									
R294	1:D7	1-P3									
R295	1:D6	1-P4									
R300	1:H4	1-C2									
RV43	1:N1	2-G6									
RV48	1:P1	2-F5									
RV52	1:M1	2-F5									
RV57	1:L1	2-F3									
RV63	1:N5	2-M4									
RV69	1:N2	2-M2									
RV74	1:P2	2-P2									
SK1	1:L7	1-A7									
TL1	1:J5	1-C3									
TL2	1:D3	1-J2									
TP1	1:N2	2-N2									
TP2	1:N3	2-P1									