

ALLEN & HEATH



WARNING – HIGH VOLTAGES

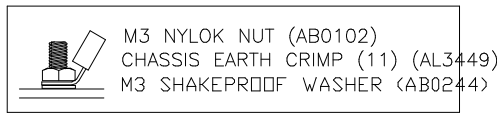
Power Supply Unit (PSU) work should only be carried out by qualified personnel.

We recommend that you use an approved Allen & Heath service centre for all power supply work.

Please contact your local Allen & Heath distributor for more details.

<http://www.allen-heath.com/>

CHASSIS EARTH ARRANGEMENT

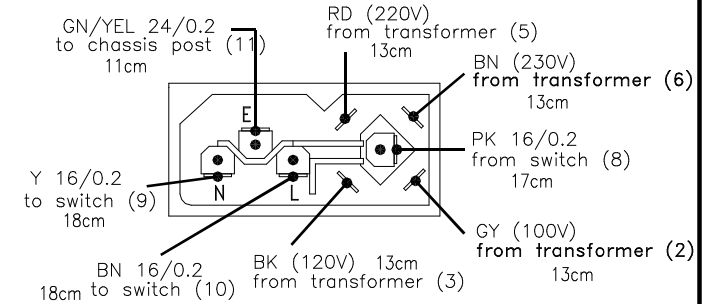


RECTIFIER FIXED TO HEAT SINK BRACKET WITH M3x16mm SCREW (AB0079) & M3 NUT LOCK (AB0102)

REGULATORS FIXED TO HEAT SINK BRACKET WITH M3x12mm PAN POZI SCREW (AB0078) M3 NUT LOCK (AB0102) & INSULATING KIT (AA0693)

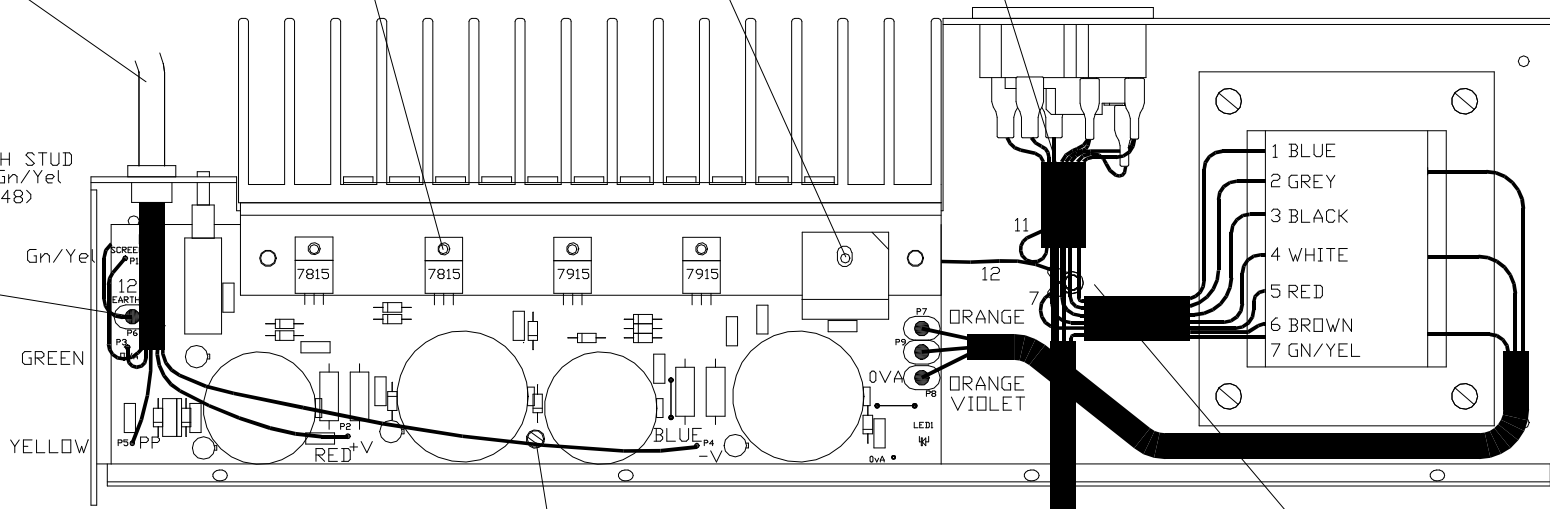
DC POWER CABLE REFER TO DRAWINGS: D283 & D207 FOR DETAIL

AC MAINS SOCKET WIRING (AL8105)



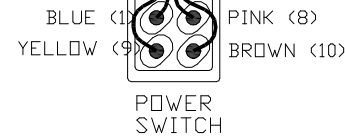
USE INSULATED CRIMPS (AL3068)

TO EARTH STUD 24/0.2 Gn/Yel (AH0348)

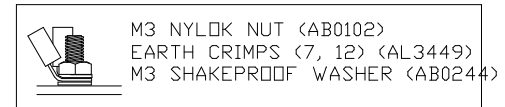


- 1 BLUE
- 2 GREY
- 3 BLACK
- 4 WHITE
- 5 RED
- 6 BROWN
- 7 GN/YEL

PCB MOUNTING SCREW M4x5mm (AB0261)



CHASSIS EARTH ARRANGEMENT



⊙ ¼" CRIMP RECEPTACLE INSULATED (AL0381)

| ISSUE | REVISION | BY | DATE |
|-------|----------------------------------|------|---------|
| 1 | ORIGIN | IMcB | 19/1/96 |
| 2 | WIRING CHANGES FOR NEW IEC INLET | IMcB | 19/3/99 |
| | | | |
| | | | |
| | | | |

STANDARD NOTES
ALL DIMENSIONS IN mm
DO NOT SCALE DRAWING

NOTES

REFER TO DRAWING No: D283 FOR PCB WIRING AND COMPONENT LAYOUT.
REFER TO DRAWING No: D207 FOR POWER SUPPLY CIRCUIT DIAGRAM.

DRAWING TITLE

RPS9
POWER SUPPLY WIRING

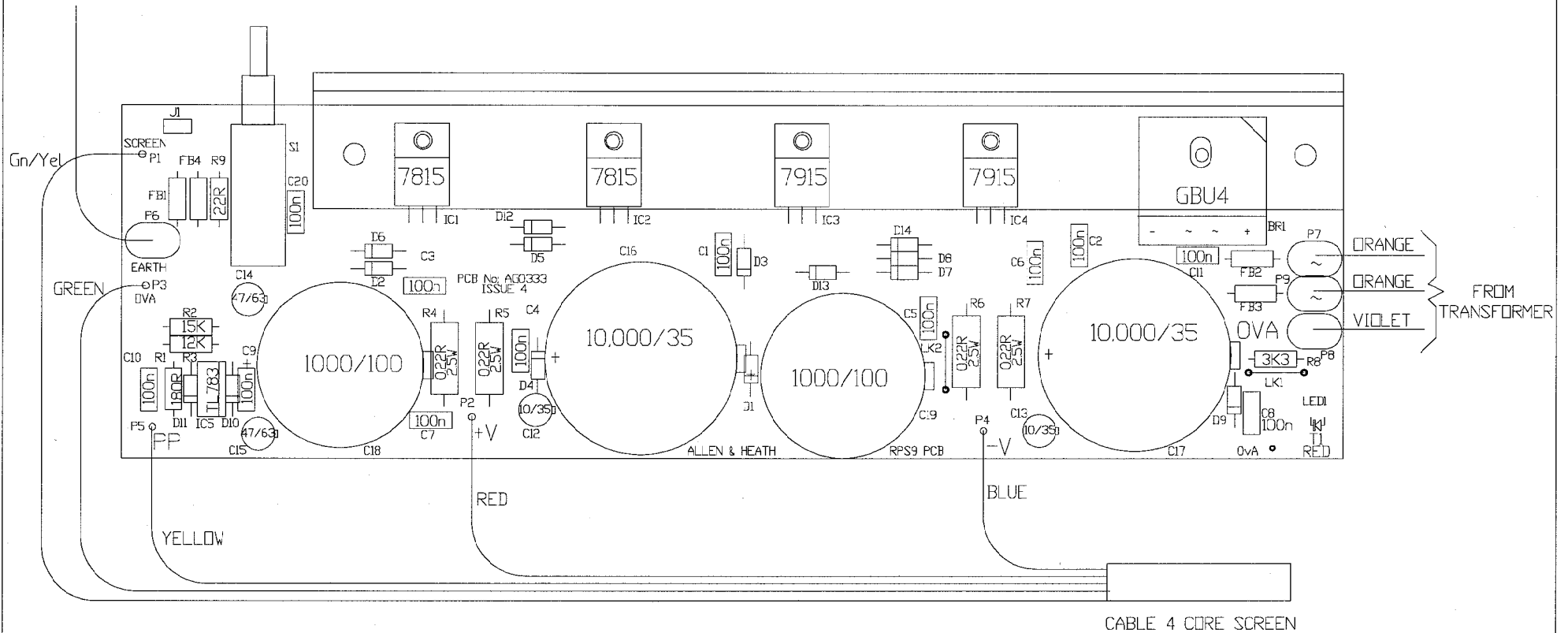
ASSEMBLY No:

000-826

ALLEN & HEATH
ALLEN & HEATH
KERNICK INDUSTRIAL ESTATE,
PENRYN, CORNWALL. TR10 9LU
TEL: 01326 372070
FAX: 01326 377097

DRAWING No: M000-826 ISSUE 2

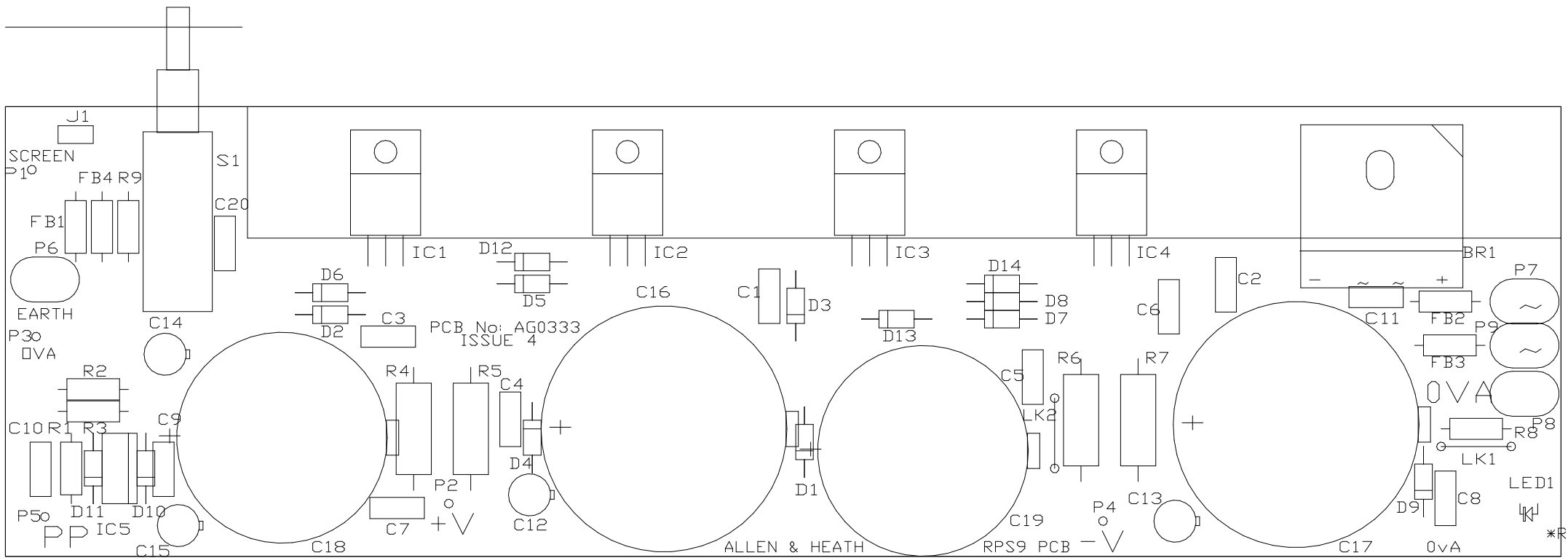
TO EARTH STUD
24/02 Gn/Yel



RPS9 POWER SUPPLY PCB

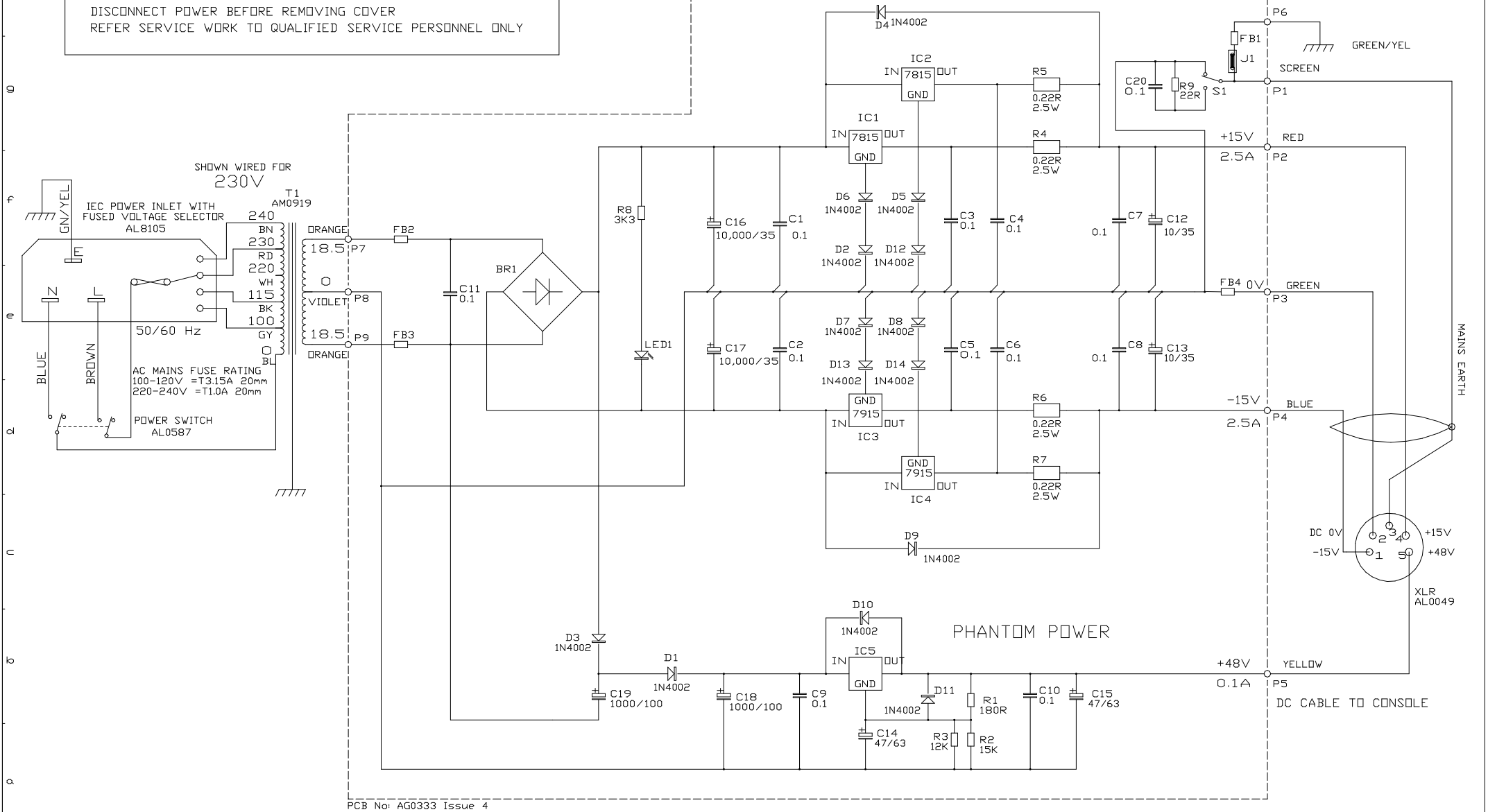
AG0333 ISSUE 4

| ISSUE | REVISION | BY | DATE | NOTES | DRAWING TITLE | STOCK CODE | ALLEN & HEATH LTD. |
|-------|-------------------------------------------------|------|---------|-------------------------------------------------------|-------------------|------------|----------------------------------------------------------|
| A | ORIGIN | IMCB | 17-2-94 | ALL DIODES ARE 1N4002 | RPS9 POWER SUPPLY | 000-327 | KERNICK INDUSTRIAL ESTATE, PENRYN, CORNWALL TR10 9LJ. |
| 1 | PRODUCTION | IMCB | 13-4-94 | ALL FERRITE BEADS AXIAL TYPE | PCB ASSEMBLY | | TEL. 0326 372070 |
| 2 | ALTERATIONS TO HEAT SINK BRACKET & PCB FIXINGS. | IMCB | 7-6-94 | ALL LINKS ARE TC WIRE | | | FAX. 0326 377097 |
| 3 | PCB REISSUED. 0 | IMCB | 29-6-94 | ALL RESISTORS ARE 5% 1/4W UNLESS OTHERWISE SPECIFIED. | | | DRAWING No. D283 |
| | | | | ELECTROLYTIC CAPACITORS ARE SPECIFIED IN uF/VOLTS. | | | ISSUE 3 |



DANGER - HIGH VOLTAGE !

DISCONNECT POWER BEFORE REMOVING COVER
REFER SERVICE WORK TO QUALIFIED SERVICE PERSONNEL ONLY



PCB No: AG0333 Issue 4

| ISS. | REVISION | BY | DATE | UNIT TITLE | | MANUFACTURED IN ENGLAND BY | |
|------|-------------------------|-------|--------------|--------------------|--|----------------------------|--|
| P1 | REDRAWN FROM D196 | ISS.2 | IMcB 19-1-93 | RPS9 POWER SUPPLY, | | ALLEN & HEATH | |
| P2 | CIRCUIT MODS | | IMcB 14-7-93 | DRAWING TITLE | | DRAWING No. D207 ISSUE 4 | |
| P3 | DIODES ADDED | | IMcB 3-12-93 | CIRCUIT DIAGRAM | | | |
| 1 | PRODUCTION | | IMcB 12-4-94 | | | | |
| 2 | ISSUE 4 PCB | | IMcB 29-6-94 | | | | |
| 3 | MAINS SWITCH ADDED | | IMcB 4-1-95 | | | | |
| 4 | MAINS INLET IEC CHANGED | DWD | 22-3-99 | | | | |

CAPACITORS ARE MICROFARAD/VOLTS
RESISTORS ARE 1/4W 5% UNLESS OTHERWISE MARKED
IC1,2,3,4 MOUNTED ON HEATSINK WITH INSULATING WASHERS
CLIP-ON HEATSINK ON IC5
BRIDGE RECTIFIER BOLTED ONTO HEAT SINK BRACKET

UNIT TITLE
RPS9 POWER SUPPLY,
DRAWING TITLE
CIRCUIT DIAGRAM

MANUFACTURED IN ENGLAND BY
ALLEN & HEATH
DRAWING No. D207 ISSUE 4