



BOARDS 1 + 2 - DOUBLE SIDED, PLATED THROUGH
SOLDER RESIST AND SILK
SCREENED

BOARD 1
85 SES 5a mod 1

BOARD 2
85 SES 5b

LEDs - RS 588-421 (RED)
RS 588-409 (YELL)
RESISTOR AND DIODE
SPACING - 0.4"
S.O.T. RESISTORS MOUNTED
ON TURRET TAGS AT 0.5"
SPACING
SWITCHES - RS 316-800

ZDR-215L151 0.3"
BUZZER - RS 249-429
REGULATOR - LM 34DT5 TO BE LYING FLAT
B1-74HC 266
B2-74HC 02
B3-74HC 32
B4-74HC 08
B5-7406
B6-7556

ALL IC'S DECOUPLED WITH 10nF 0.2"
C3,4 - 0.2"
C1,2, - 0.7"
C6 - 0.7"
CONNECORS 1 TO 3 - 10WAY 0.1" PITCH

L. D.
18mm x 10mm
10mm x 6mm

Revisions
1. SAT. RESISTORS MOUNTED
ON TURRET TAGS AND
EXTRA SERIES RESISTOR ADDED
2. OPTOI SPLIT INTO TWO
TO IMPROVE ISOLATION.
3. ZDR CHANGED FROM
215L151 TO 215L151.
4. C1 & C2 VOLTAGE INCREASED
TO 40V
5. C6 VOLTAGE INCREASED TO 25V

British Railways Board
Chief Signal and Telecommunications Engineer

A.H.B./A.D.C.R.
FAILURE INDICATION UNIT

British Rail

No. 85 SES 5