



## TEST PROCEDURE FOR LL232

- EQUIPMENT NEEDED :
- FLUKE 75 MULTI METER
  - OSCILLISCOPE 60 MHz
  - TREND DATA TESTER 110
  - MUTI MODE FIBRE CABLE (ST OR SMA CONNECTORS).
  - RIBBON CABLE WITH DB25 MALE AND FEMALE CONNECTORS.
  - OPTICAL POWER METER.

- SETTING UP OF EQUIPMENT:
- 1) TURN ON TREND TESTER.
  - 2) ENTER SETUP.
    - CONFIGURATION = DTE / DCE
    - FORMAT = ASYNC
    - MODE = FDX
    - DATA = QBF
    - CODE = HEX8
    - PARITY = NONE
    - STOP BITS = 1
    - CLOCK SOURCE = INTERNAL
    - BAUD RATE = 9600
    - TEST LABEL = TEST 1
    - ATTRIBUTE 0 = PIN4
      - 1 = PIN5
      - 2 = PIN6
      - 3 = PIN8
      - 4 = PIN20
      - 5 = PIN22
      - 6 = EVENT
  - 3) ENTER MAIN
  - 4) ENTER COUNT
  - 5) ENTER RUN
  - 6) APPLY POWER (+12V POSITIVE CENTRE) TO LL232
  - 7) LOOP OPTIC CABLE FROM TRANSMIT TO RECEIVE ON LL232.
  - 8) APPLY SIGNAL FROM TREND TESTER (DIRECT SOCKET) TO LL232 VIA RIBBON CABLE.
  - 9) ENSURE LL232 HAS SAME CONFIGURATION (DCE / DTE) AS TREND TESTER.

- RECORDING OF RESULTS :
- 1) LL232 UNIT PASSES IF IT RUNS IN SYNC WITH NO ERRORS AND NO SYNC LOSSES.
  - 2) RECORD THE SERIAL NUMBER OF EACH UNIT AND WETHER IT PASSED THE ABOVE TEST.
  - 3) RECORD THE POWER READING WITH OPTIC METER (850 nM SCALE).

EXAMPLE OF TEST SHEET.

SERIAL NO	PASS / FAIL	OTIC READING	DATE	COMPLETE
123456	PASS	-28 dB	24/05/1994	YES