

## 25 LTD Voltages

### Transistors

| TR No. | Receive |           |       | Transmit |           |       | Comments |
|--------|---------|-----------|-------|----------|-----------|-------|----------|
|        | Emitter | Collector | Base  | Emitter  | Collector | Base  |          |
| 1      | 1.2     | 9.3       | 1.9   | 0        | 0.3       | 0     |          |
| 2      | 0.9     | 8.4       | 1.6   | 0        | 0.3       | 0     |          |
| 3      | 0       | 1.7       | 0.7   | 0        | 0.3       | 0     |          |
| 4      | 1       | 1.3       | 1.7   | 0        | 0         | 0.3   |          |
| 5      | 0       | 0.1       | 0.7   | 0        | 0         | 0     |          |
| 6      | 0       | 1.3       | 0     | -        | -         | -     | SQ: Min  |
|        | 0       | 0         | 0.6   | -        | -         | -     | SQ: Max  |
| 7      | 0       | 13.3      | 0     | 0        | 12        | -0.3  |          |
| 8      | 0       | 13.3      | 0     | 0        | 11.7      | 0     |          |
| 9      | 9.5     | 13.5      | 2.8   | 1.2      | 8.2       | 1.2   |          |
| 10     | 0.6     | 5.4       | 1.3   | -        | -         | -     | SQ: Min  |
|        | 0       | 9.6       | 0     | -        | -         | -     | SQ: Max  |
| 11     | 2.7     | 6         | 3     | 2.7      | 6         | 3     |          |
| 12     | 1.4     | 2.8       | 2     | 1.4      | 2.8       | 2     |          |
| 13     | 1.7     | 0         | 0     | 0.7      | 2.1       | 1.4   |          |
| 14     | 0       | 0         | 0     | 0        | 0         | 0     |          |
| 15     | 1.8     | 3.4       | 2.2   | 1.8      | 3.4       | 2.1   |          |
| 16     | 8.9     | 0         | 9.4   | 8.9      | 8.8       | 8.1   |          |
| 17     | 8.9     | 12.8      | 9.5   | 8.9      | 12.4      | 9.5   |          |
| 18     | 7.3     | 9         | 8     | -        | -         | -     | Bright   |
|        | 4       | 12.1      | 4.7   | -        | -         | -     | Dim      |
| 19     | 0       | 0         | 0.7   | 0        | 2         | 0.3   |          |
| 20     | 0       | 0         | 0     | 0        | 0         | 0     | NB: OFF  |
|        | 2.4     | 13.1      | 3.2   | 0        | 0         | 0     | NB: ON   |
| 21     | 0       | 0         | 0     | 0        | 0         | 0     | NB: OFF  |
|        | 0       | 7.4       | 0.6   | 0        | 0         | 0     | NB: ON   |
| 22     | 0       | 0         | 0     | 0        | 0         | 0     | NB: OFF  |
|        | 13.1    | 0         | 13.1  | 0        | 0         | 0     | NB: ON   |
| 23     | 0       | 0         | 0     | 0        | 0         | 0     | NB: OFF  |
|        | 0       | 0         | 0     | 0        | 0         | 0     | NB: ON   |
|        | Source  | Gate      | Drain | Source   | Gate      | Drain |          |
| FET1   | 1.1     | 0         | 9.3   | 0.2      | 0         | 0.2   |          |
| FET2   | 1.3     | 0         | 13    | 1.3      | 0         | 12.9  |          |

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### IC Voltages

#### IC 1

|         |      |     |   |     |     |     |   |   |     |      |
|---------|------|-----|---|-----|-----|-----|---|---|-----|------|
| Pin No. | 1    | 2   | 3 | 4   | 5   | 6   | 7 | 8 | 9   | 10   |
| RX      | 13.7 | 6.6 | - | 0   | 1.2 | 0   | 0 | 0 | 6.7 | 13   |
| TX      | 13.4 | 6.5 | - | 0.1 | 1.2 | 1.2 | 0 | 0 | 6.5 | 12.7 |

#### IC 2

|         |     |   |   |     |   |     |     |     |     |
|---------|-----|---|---|-----|---|-----|-----|-----|-----|
| Pin No. | 1   | 2 | 3 | 4   | 5 | 6   | 7   | 8   | 9   |
| RX      | 0   | - | - | 0   | 0 | 0   | 0.2 | 0   | 0   |
| TX      | 2.6 | - | - | 2.6 | 0 | 8.8 | 2.1 | 4.7 | 8.5 |

#### IC 3

|         |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pin No. | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
| RX      | 7.4 | 3.1 | 0.2 | 7   | 3.5 | 3.5 | 1.6 | 0   | 3.2 | 0.7 |
| TX      | 7.4 | 7.4 | 0   | 6.8 | 3.5 | 3.5 | 2.6 | 7.4 | 3.2 | 0.7 |

|         |     |     |     |     |    |     |     |    |
|---------|-----|-----|-----|-----|----|-----|-----|----|
| Pin No. | 11  | 12  | 13  | 14  | 15 | 16  | 17  | 18 |
| RX      | 0.7 | 0.7 | 7.3 | 7.3 | 0  | 7.3 | 7.3 | 0  |
| TX      | 0.7 | 0.7 | 7.3 | 7.3 | 0  | 7.3 | 7.3 | 0  |