



The schematic diagram illustrates the LED control system architecture. It features three input channels (SF J1, SF J2, and SF J3) connected to a central control unit (X2, X3). The control unit has three output channels (LED-SPEED, LED-MS, LED-FB) connected to three LED modules (HL2, HL3, HL4). Each LED module is connected to a common ground (LED) and a power supply (VLS2, VLS3, VLS4). The control unit also has a feedback input (LED-FB) connected to the output of the LED-FB module.

The schematic diagram illustrates the RPB1.1 SPEED circuit. It features several key components and connections:

- Input and Biasing:** The circuit is powered by SA3-COM2 and SA3-N02. Input signals are provided via L.C5 and L.C6 (CTSMO-C) to the non-inverting input of L.D1.1. A reference voltage V is applied to the inverting input of L.D1.1 via L.R1 and L.C2 (CTSMO-C).
- Resistors:** Various resistors are used for biasing and signal conditioning, including L.R1 (360 kΩ), L.R2 (360 kΩ), L.R3 (150 kΩ), L.R4 (0 Ω), L.R5 (360 kΩ), L.R6 (X Ω), L.R7 (10 kΩ), L.R8 (10 kΩ), L.R9 (6.2 kΩ), L.R10 (10 kΩ), and L.R11 (10 kΩ).
- Capacitors:** Capacitors L.C1 (470 nF), L.C2 (CTSMO-C), L.C3 (4.7 nF), L.C4 (CTSMO-C), L.C5, and L.C6 (CTSMO-C) are used for timing and signal coupling.
- Integrated Circuits:** The circuit includes two comparators, L.D1.1 and L.D1.2, and a central processing unit, RPB1.1 SPEED (500 kΩ (B) R15K1-L20KC, Song Hui Electric).
- Outputs:** The circuit produces two outputs: LFO-SQR (Square Wave) and LFO-AUTO (Automatic Frequency Oscillator).

The diagram illustrates the internal wiring of the J1 and J2 connectors. J1 (206) is a 4-pin connector with inputs TP1, TP2, TP3, and TP4. J2 (206) is a 4-pin connector with outputs TP7, TP8, TP9, and TP10. The wiring shows that TP1 and TP2 are connected to TP7 and TP8 respectively. TP3 and TP4 are connected to TP9 and TP10 respectively. TP6 is connected to TP7. The diagram also shows the internal wiring of the J1 and J2 connectors, including the J1 and J2 labels and the 206 pin numbers.

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The schematic diagram illustrates the internal circuitry of the ST-0085-05/04 module. On the left, a power source labeled 'P85-24V-3025P' provides input to the module. The module's internal components include a 5V regulator, a 1N4148 diode, and a 10K resistor. The module is labeled 'IN' and 'OUT'. The output is connected to a load labeled 'LED'. The module is also labeled 'ST-0085-05/04 Dragon City Industries'.

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