WRIST BLASTER SCHEMATIC VO.1 SELECT THE RIGHT BAR METER PCBs **COMMON CATHODE SK COMMON ANODE SA** BAR METER DRIVER PCB: SBK_WB_BG_SK_DR *** WIRES COLORS ARE FOR REFERENCE ONLY *** BAR METER DRIVER PCB: SBK WB BG SA DR LEDs DRIVER: MAX7221 LEDs DRIVER: MAX7221 YOUR WIRES/JUMPERS MAY HAVE DIFFERENT COLORS BAR METER HOLDER PCB: SBK_WB_BG_28SEG BAR METER HOLDER PCB: SBK WB BG 28SEG AND/OR DIFFERENT COLORS ORDER. IT IS MORE BAR METER: BL28Z-3005SK04Y BAR METER: BL28Z-3005SA04Y IMPORTANT TO RESPECT THE 2 POINTS CONNECTED: GND 00000 00000 C7 📵 C7 🛈 TO GND, 5V+ TO 5V+, SIGNAL TO SIGNAL, ETC. C1°L4°L3°L2 L1 C6 📵 C6 📵 C5 📵 C5 📵 FOR REFERENCE ON THIS SCHEMATIC: C4 (1) C4 (1) **BLACK -> GROUND** C3 (1) C3 (1) RED -> VCC / V+ C2 0 C2 0 0 0 0 0 OTHERS -> SIGNALS, AUDIO, ETC. DATA DATA CLOCK **O** C3 LOAD THIS RESISTOR MUST BE SET ACCORDING TO BAR METER FORWARD VOLTAGE (27 kOhms FOR THE YELLOW BL28Z3005xx04Y) OPTIONAL POWER SW ON BATTERY PACK HOLDER FIRE BUTTON LED RESISTOR -SBK_WRIST_BLASTER_II FIRE BUTTON WITH YELLOW 20mA 2.0V LED PLUG OUTSIDE (150 Ohms RES. REQUIRED) WRIST BLASTER INTENSIFY SW OR BUTTON SMOKE AIR PUMP 5 VDC - 500 mA MAX ACTIVATE SW CYCLOTRON SW MINI CYCLOTRON MAIN SW SOFTWARE VOLUME POT SMOKE FAN 5 VDC - 500 mA MAX. STROBE HUE POT SD CARD PLUG FOR EASIER ASSEMBLY 40mm SPEAKER 5W - 4 Ohms *** LEDs STRIP *** IND.: FRONT ORANGE ABOUT ADRESSABLE LEDS WIRING, RESPECT: OUT TO IN, VCC(V+) TO VCC(V+) AND GND TO GND. BEWARE THAT YOUR PIXELS AND JEWELS MIGTH HAVE DIFFERENT PADS ORDERS AND LOCATIONS THAT THOSE SHOWN IN THIS SCHEMATIC.