Schematic diagram — Traffic Light (v1)

Components include:
- A1 Arduino_Nano_v3.x
- U1 74HC595
- U2 CC56-12SRWA (4-digit 7-segment display)
- C1 0.1 µF
- Q1, Q2, Q3 PN2222A transistors
- D1, D2, D3 LEDs
- R1 1000, R2 330, R3 1000, R4 330, R5 1000, R6 330
- R10 10k
- R77 220, R220 resistors (multiple 220 on display)
- BZ1 Buzzer
- SW1 Pedestrian Button

Signal labels: RED_LED, YELLOW_LED, GREEN_LED, BUZZ, BUTTON, DIG1, DIG2, DIG3, DIG4

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