U2

Altera Cyclone IV EP4CE6E22C8N

Left side pins:
1, 2, 3, 4, 5, ASDO, 7, nCSO, nSTATUS, 10, 11, DCLK, DATA, nCONFIG, TDI, TCK, 17, TMS, 19, TDO, nCE, 22, FPGA_CLK, 24, RESET, 26, 27, 28, 29, 30, 31, 32, 33, 34, VCCA1, GNDA1

Pin numbers left: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36

Top pins: 145, 144, 143, 142, 141, 140, 139, 138, 137, 136, 135, 134, 133, 132, 131, 130, 129, 128, 127, 126, 125, 124, 123, 122, 121, 120, 119, 118, 117, 116, 115, 114, 113, 112, 111, 110, 109

VCCD_PLL2

Right side pins:
GNDA2 108, VCCA2 107, 106, 105, 104, 103, 102, 101, 100, 99, 98, 97, 96, 95, 94, 93, CONF_DONE 92, 91, 90, 89, 88, 87, 86, 85, 84, 83, 82, 81, 80, 79, 78, 77, 76, 75, 74, 73

Bottom pins: VCCD_PLL1, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72

+3V

U3
IIC-I2C-Logic-Level-Converter-4CH

7 LV1   HV1 1
8 LV2   HV2 2
9 LV   HV 3
10 GND   GND 4
11 LV3   HV3 5
12 LV4   HV4 6

+5V

U1
TM1638-led_Keyswitch_7segment
LED
7 segment
SW
TM1638 Module

VCC5
GND 5
STB 4
CLK 3
DIO 2
1

GND