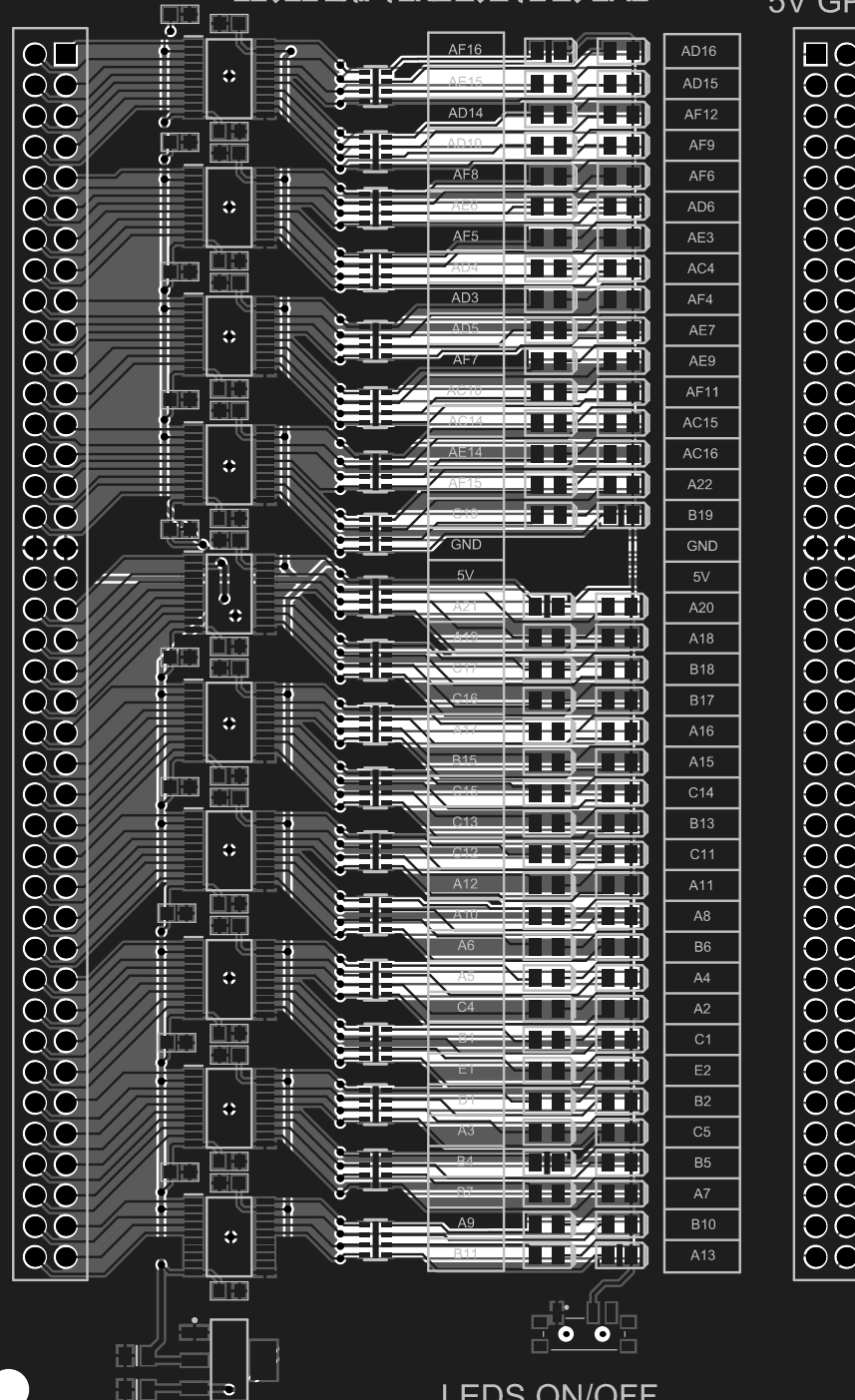


POSEIDON

LEVEL SHIFTERS 3V3 TO 5V GPIO

5V GPIO



LEDS ON/OFF

Comment	Description	Designator	Footprint	LibRef	Quantity
LED3	Typical BLUE SC LED	A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A15, A16, A17, A18, A19, A20, A21, A22, AC4, AC10, AC14, AC15, AC16, AD3, AD4, AD5, AD6, AD10, AD14, AD15, AD16, AE3, AE6, AE7, AE9, AE14, AE15, AF4, AF5, AF6, AF7, AF8, AF9, AF11, AF12, AF15, AF16, B1, B2, B4, B5, B6, B7, B10, B11, B13, B15, B17, B18, B19, C1, C4, C5, C11, C12, C13, C14, C15, C16, C17, C19, D1, E1, E2	LED0805_manu	LED3	76
TXB0108PWR	8-Bit Bidirectional Voltage-Level Shifter with Auto Direction Sensing and +/-15-kV ESD Protect	B24, B25, B26, B27, B28, B29, B30, B31, B32, B33	SOP65P640X120-20N	TXB0108PWR	10
100nF	Capacitor (Semiconductor SIM Model)	C9, C35, C38, C40, C41, C42, C43, C44, C45, C46, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58	cap0603_manu3d	Cap Semi	20
10uF		C47, C48	SM0805	C	2
Conector 40X2		Expansion port 3V3, Expansion port 5V	DIP80	Conector 40X2	2
EG1215AA	Switch	LEDSON/OFF	EG1215AA	EG1215AA	1
4k7	255R	R172, R173, R174, R175, R176, R177, R178, R179, R180, R181	RES0603_manu3d	Res2	10
560R		RN1, RN2, RN3, RN4, RN5, RN6, RN7, RN8, RN9, RN10, RN11, RN12, RN13, RN14, RN15, RN16, RN17, RN18, RN19	RA1206	resistor_set	19
3.3V	Voltage Regulator	U7	SOT223_L	Volt Reg	1