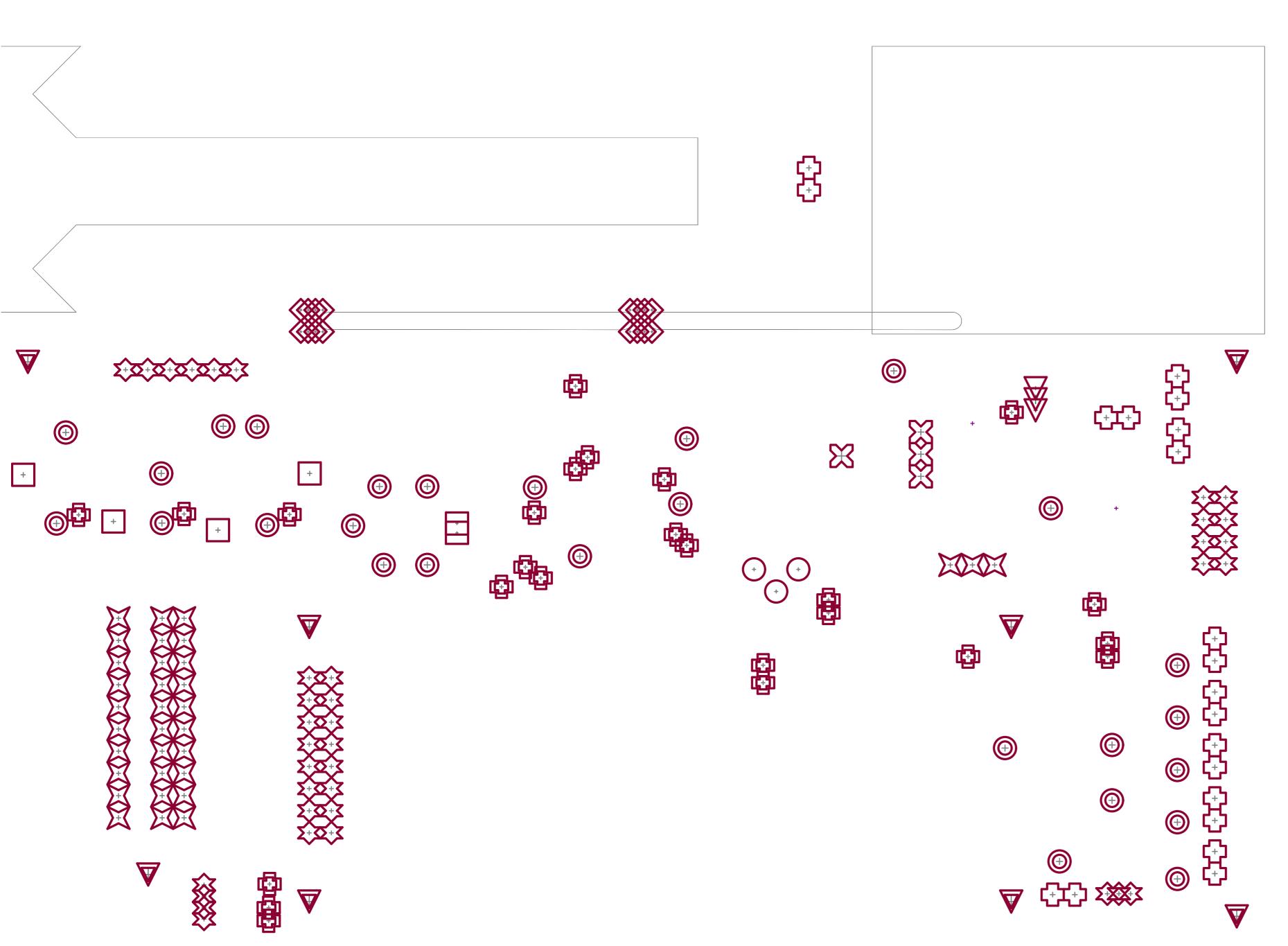


Symbol	Hit Count	Finished Hole Size Plated H		Hole Type	
0	3	0.700mm (27.56mil)	PTH Round		
∇	3	0.800mm (31.50mil)	00mm (31.50mil) PTH Round		
×	4	1.400mm (55.12mil)	PTH	Round	
	6	0.500mm (19.69mil)	PTH	Round	
▼	8	2.500mm (98.43mil)	NPTH	Round	
♦	16	0.500mm (19.69mil)	NPTH	Round	
0	20	1.100mm (43.31mil)	PTH	Round	
0	25	0.400mm (15.75mil)	PTH	Round	
0	27	0.711mm (28.00mil)	PTH	Round	
Ħ	33	1.000mm (39.37mil)	PTH	Round	
\$	37	0.900mm (35.43mil)	PTH	Round	
	182 Total				

```
+ + +
+ + +
+ + +
             + +
+ + +
+ + +
+ + +
+ + +
             + +
+ + +
+ + +
             + +
+ + +
```



Symbol	Hit Count	Finished Hole Size Plated F		Hole Type	
0	3	0.700mm (27.56mil)	0mm (27.56mil) PTH Round		
∇	3	0.800mm (31.50mil)	PTH	Round	
×	4	1.400mm (55.12mil)	PTH	Round	
	6	0.500mm (19.69mil)	PTH	Round	
▼	8	2.500mm (98.43mil)	NPTH	Round	
♦	16	0.500mm (19.69mil)	NPTH	Round	
0	20	1.100mm (43.31mil)	PTH	Round	
0	25	0.400mm (15.75mil)	PTH	Round	
0	27	0.711mm (28.00mil)	PTH	Round	
×	33	1.000mm (39.37mil)	PTH	Round	
*	37	0.900mm (35.43mil)	PTH	Round	
	182 Total				

								Ref.Manufact	
Comment	Description	Designator	Footprint	LibRef	Quantity	Manufacturer	Ref.Farnell	urer	Supplier
BargraphRG	Bargraph	B1	BargraphRG	BargraphRG	1	KINGBRIGHT	2290326	DC-10EGWA	Farnell
0.1uF	Capacitor	C2, C3, C4	C0603	Сар	3	MURATA	8820023	GRM188R71H 104KA93	Farnell
10uF	Capacitor	C5, C6	C0603	Cap	2	MURATA	2611920	GRM188D71A 106MA73	Farnell
								?/GRM188R71	
100nF	Capacitor	C7	C0603	Cap	1	MURATA	?/8820023	H104KA93 GRM1885C1H	Farnell
15pF	Capacitor	C8, C9	C0603	Cap	2	MURATA	8819823	150JA01	Farnell
Diode	Diode	D1, D3	SMC	Diode	2				Farnell
								L- 154A4SURKQ	
LED_RGB	LedRGB	D2	LED1	LED_RGB	1	KINGBRIGHT	2290374	BDZGW	Farnell
Program/Deb ug	Header, 6-Pin	J1	HDR1X6	Header 6	1				Farnell
						BUCHANAN - TF			
Header						CONNECTIVIT			
Pompe	Header, 2-Pin	P1	BORNIER	Header 2	1	Y BUCHANAN -	2112482	282834-2	Farnell
		D2 D2 D4 DF				TE			
Header 2	Header, 2-Pin	P2, P3, P4, P5, P6, P10	BORNIER	Header 2	6	CONNECTIVIT Y	2112482	282834-2	Farnell
						BUCHANAN - TE			
Header						CONNECTIVIT			
Sensor	Header, 2-Pin	P7, P9	BORNIER	Header 2	2	Y BUCHANAN -	2112482	282834-2	Farnell
						TE			
Header BAT	Header, 2-Pin	P8	BORNIER	Header 2	1	CONNECTIVIT Y	2112482	282834-2	Farnell
Pump	Pump	PUMP		Pump	1	/	/	/	/
IRFZ24N	N-Channel MOSFET	Q1	E3	MOSFET-N	1	INFINEON	8650160	IRFZ24NPBF	Farnell
		R1, R2, R3,			<u> </u>		- 330100	THE HALDS	
	1	R4, R5, R6, R7, R8, R9,						MC0063W06	
2200	Resistor	R10	R0603	Res1	10	MULTICOMP	9330801	031220R	Farnell
	l	R11, R12, R13, R14,						<u> </u>	
		R15, R16,							
1600	Resistor	R17, R18, R19, R20	R0603	Res1	10	МИГЛСОМР	9330658	MC0063W06 031160R	Farnell
600O	Resistor	R21	R0603	Res1	1	MULTICOMP	?		Farnell
1400	Resistor	R22	R0603	Res1	1	MULTICOMP	?		Farnell
200	Resistor	R23	R0603	Res1	1	MULTICOMP	9330798	MC0063W06 03120R	Farnell
30O	Resistor	R24	R0603		1	МИЦПСОМР	9331000	MC0063W06 03130R	Farnell
300	Resistor	R25, R27,	KU0U3	Res1	1	MULIICUMP	9331000	U313UK	rameii
1KO	Resistor	R29, R31, R33, R40	R0603	Res1	6	MULTICOMP	9330380	MC0063W06 0311K	Farnell
	Resistor	R26, R28,			- 0		3330380	USIIK	
10MO	Resistor	R30, R32, R34	R0603	Res1	5	MULTICOMP	?	MC0063W06	Farnell
4.7KO	Resistor	R35, R36, R37	R0603	Res1	3	минтсомр	9331247	0314K7	Farnell
10KO	Resistor	R38, R39, R43	R0603	Res1	3	MULTICOMP	9330399	MC0063W060 3110K	Farnell
2MO	Resistor	R41	R0603	Res1	1	MULTICOMP	?		Farnell
		242	20503				0220440	MC0063W06	
1MO RPot	Resistor Varistor	R42 R44	R0603 POTARD	Res1 Potard	1	MULTICOMP VISHAY	9330410 2550676	0311M T73YE103KT20	Farnell Farnell
						ADVANCED	•		
NSL-4962	Ldr	R45	NSL-4962	NSL-4962	1	PHOTONIX ALCOSWITCH -	3168359	NSL 4962.	Farnell
						TE			
SW-PB	Switch	Reset	Reset	SW-PB	1	CONNECTIVIT Y	2468741	1437566-3	Farnell
	SPDT Subminiature								
	Toggle								
	Switch, Right Angle								
	Mounting,								
SW-On/Off	Vertical Actuation	S1	Switch on/off	SW-SPDT	1	EOZ	1608080	09.03201.02	Farnell
						TEXAS INSTRUMENT		SN74HC595D	
74HC595-0	ShiftRegister	U1	SN74HC595D	74HC595	1	S	1607849	R R	Farnell
						TEXAS INSTRUMENT		SN74HC595D	
74HC595-1	ShiftRegister	U2	SN74HC595D	74HC595	1	S	1607849	R	Farnell
						TEXAS INSTRUMENT		SN74HC595D	
74HC595-2	ShiftRegister	U3	SN74HC595D	74HC595	1	S	1607849	R	Farnell
Nrf24L01	Header, 4- Pin, Dual row	U4	NRF24L01	Header 4X2	1	,	/	/	,
FC1602B04-			FC1602B04-	FC1602B04- FHYYBW-91LE	-	FORDATA	2674127	FC1602B04-	Farne!!
FHYYBW-91LE	LCD GPIOExpande	U5					2674137	FHYYBW-91LE MCP23017-	
MCP23017	r	U6	MCP23017	MPC23017	1	MICROCHIP	1332087	E/SO	Farnell
						MAXIM INTEGRATED			
DS18B20+ PIC32MX170F	Temp	U7	DS18B20+ PIC32MX170F	DS18B20+ PIC32MX170F	1	PRODUCTS	2515553	DS18B20+ PIC32MX170F	Farnell
256B	Pic	U8	256B	256B	1	MICROCHIP	2449077	256B-I/SO	Farnell
						TEXAS INSTRUMENT		LM1117T-	
LM1117D-33	Battery	U9	VoltReg3.3V	LM1117D-33	1	S	1469056	3.3/NOPB	Farnell
LIVITIT/D-33									
32.768kHz	Crystal Oscilla	Y1	XTAL	XTAL	1	ABRACON	1611828	AB38T-32.768k	Farnell