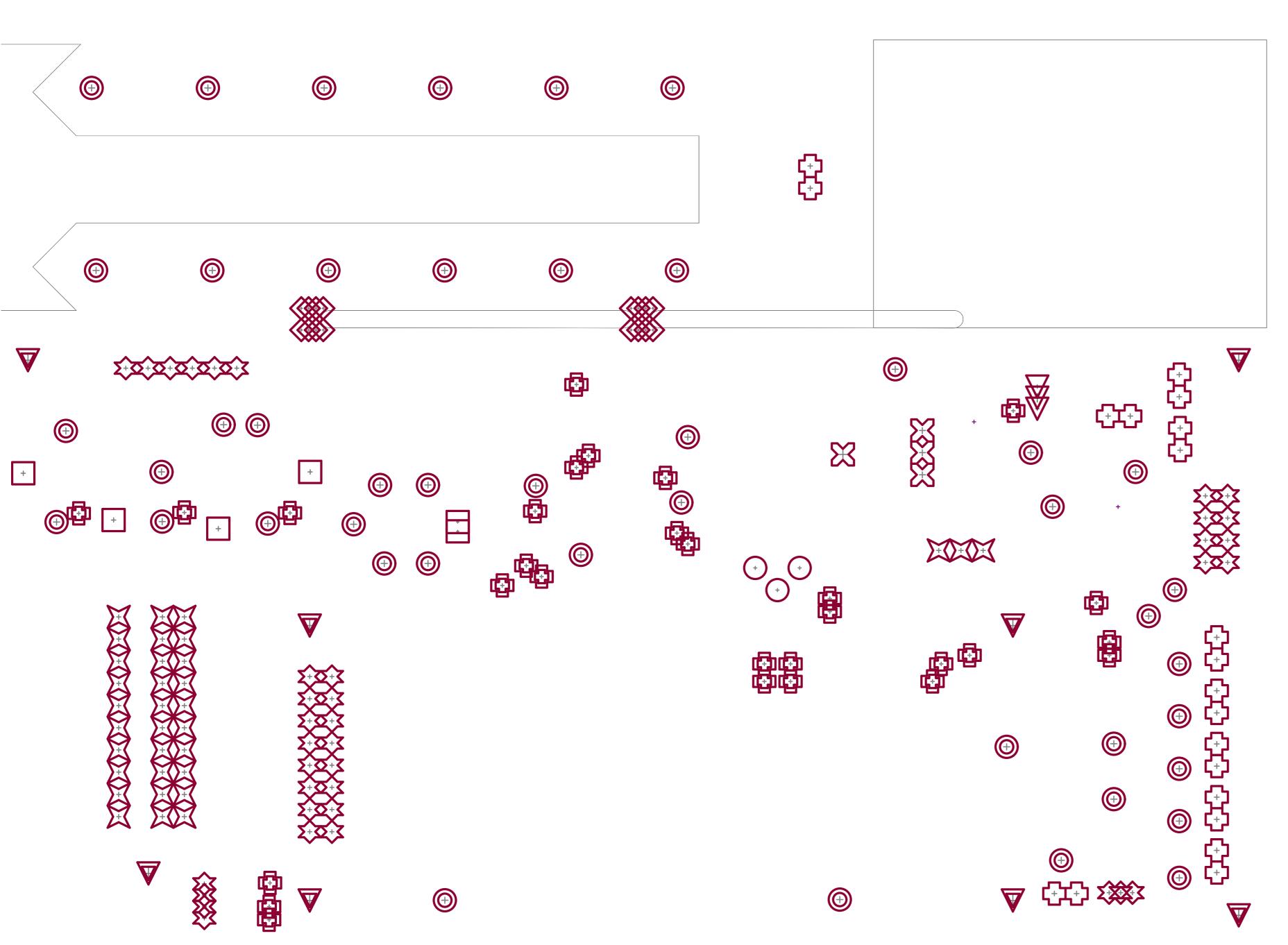


Symbol	Hit Count	Finished Hole Size	Plated	Hole Type
0	3	0.700mm (27.56mil)	PTH	Round
∇	3	0.800mm (31.50mil)	PTH	Round
×	4	1.400mm (55.12mil)	PTH	Round
	6	0.500mm (19.69mil)	PTH	Round
▼	8	2.500mm (98.43mil)	NPTH	Round
♦	16	0.500mm (19.69mil)	NPTH	Round
0	20	1.100mm (43.31mil)	PTH	Round
0	29	0.400mm (15.75mil)	PTH	Round
Ħ	33	1.000mm (39.37mil)	PTH	Round
\$	37	0.900mm (35.43mil)	PTH	Round
0	45	0.711mm (28.00mil)	PTH	Round
	204 Total			

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Symbol Hit Count		Finished Hole Size	Plated	Hole Type	
J				<u> </u>	
0	3	0.700mm (27.56mil)	PTH	Round	
∇	3	0.800mm (31.50mil)	PTH	Round	
×	4	1.400mm (55.12mil)	PTH	Round	
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▼	8	2.500mm (98.43mil)	NPTH	Round	
♦	16	0.500mm (19.69mil)	NPTH	Round	
0	20	1.100mm (43.31mil)	PTH	Round	
0	29	0.400mm (15.75mil)	PTH	Round	
×	33	1.000mm (39.37mil)	PTH	Round	
*	37	0.900mm (35.43mil)	PTH	Round	
0	45	0.711mm (28.00mil)	PTH	Round	
	204 Total				

								Ref.Manufact	
Comment	Description	Designator	Footprint	LibRef	Quantity	Manufacturer	Ref.Farnell	urer	Supplier
BargraphRG	Bargraph	B1	BargraphRG	BargraphRG	1	KINGBRIGHT	8820023, 8820023,	DC-10EGWA GRM188R71H 104KA93, GRM188R71H 104KA93, GRM188R71H 104KA93,	Farnell
0.1uF	Capacitor	C2, C3, C4, C7	C0603	Сар	4	MURATA	8820023, 8820023, ?/8820023	?/GRM188R71 H104KA93	Farnell
10uF	Capacitor	C5, C6	C0603	Cap	2	MURATA	2611920	GRM188D71A 106MA73	Farnell
15pF	Capacitor	C8, C9	C0603	Cap	2	MURATA	8819823	GRM1885C1H 150JA01	Farnell
Diode	Diode	D1, D3	SMC	Diode	2				Farnell
LED_RGB	LedRGB	D2	LED1	LED_RGB	1	KINGBRIGHT	2290374	L- 154A4SURKQ BDZGW	Farnell
Program/Deb	Header, 6-Pin	J1	HDR1X6	Header 6	1				Farnell
ug	neadel, 6-Fill)1	HDKIAO	neader 0	1	BUCHANAN -			ranien
Header						TE CONNECTIVIT			
Pompe	Header, 2-Pin	P1	BORNIER	Header 2	1	Y BUCHANAN -	2112482	282834-2	Farnell
		02 02 04 05				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 Sensor	Header, 2-Pin	P7, P9	BORNIER	Header 2	2	CONNECTIVIT	2112482	282834-2	Farnell
DE11201	rieauer, z-riñ	17,50	DORINIEK	neduer 2	2	BUCHANAN -	2112402	202034-2	amell
						TE CONNECTIVIT			
Header BAT	Header, 2-Pin		BORNIER	Header 2	1	Y	2112482	282834-2	Farnell
Pump	Pump N-Channel	PUMP		Pump	1	/	/	/	/
IRFZ24N	MOSFET	Q1	E3	MOSFET-N	1	INFINEON	8650160	IRFZ24NPBF	Farnell
		R1, R2, R3, R4, R5, R6,							
2200	Resistor	R7, R8, R9, R10	R0603	Res1	10	MULTICOMP	9330801	MC0063W060 31220R	Farnell
		R11, R12, R13, R14, R15, R16.							
		R17, R18,						MC0063W060	
160O 600O	Resistor Resistor	R19, R20 R21	R0603 R0603	Res1 Res1	10		9330658	31160R	Farnell Farnell
1400	Resistor	R22	R0603	Res1	1	MULTICOMP	?		Farnell
200	Resistor	R23	R0603	Res1	1	минтсомр	9330798	MC0063W060 3120R	Farnell
								MC0063W060	
300	Resistor	R24 R25, R27, R29, R31.	R0603	Res1	1	MULTICOMP	9331000	3130R MC0063W060	Farnell
1KO	Resistor	R33, R40 R26, R28,	R0603	Res1	6	MULTICOMP	9330380	311K	Farnell
10MO	Resistor	R30, R32, R34	R0603	Res1	5	MULTICOMP	?	MC0063W060	Farnell
4.7KO	Resistor	R35, R36, R37	R0603	Res1	3	MULTICOMP	9331247	314K7	Farnell
10KO	Resistor	R38, R39, R43	R0603	Res1	3	MULTICOMP	9330399	MC0063W060 3110K	Farnell
1MO	Resistor	R41	R0603	Res1	1	MULTICOMP	?		Farnell
500MO	Resistor	R42	R0603	Res1	1	MULTICOMP	9330410	MC0063W060 311M	Farnell
RPot	Varistor	R44	POTARD	Potard	1	VISHAY	2550676	T73YE103KT20	Farnell
NSL-4962	Ldr	R45	NSL-4962	NSL-4962	1	ADVANCED PHOTONIX ALCOSWITCH	3168359	NSL 4962.	Farnell
						TE CONNECTIVIT			
SW-PB	Switch SPDT	Reset	Reset	SW-PB	1	Υ	2468741	1437566-3	Farnell
SW-On/Off	Subminiature Toggle Switch, Right Angle Mounting, Vertical Actuation	S1	Switch on/off	CW-CDDT	1	EOZ	1608080	09.03201.02	Farnell
JVV -UII/UII	Actuation	J.1	SWILLII ON/OTT	JAN-JEN1	1	TEXAS	1000000		amell
74HC595-0	ShiftRegister	U1	SN74HC595D	74HC595	1	INSTRUMENT S TEXAS	1607849	SN74HC595D R	Farnell
74HC595-1	ShiftRegister	U2	SN74HC595D	74HC595	1	INSTRUMENT S	1607849	SN74HC595D R	Farnell
74HC595-2	ShiftRegister	U3	SN74HC595D	74HC595	1	TEXAS INSTRUMENT S	1607849	SN74HC595D R	Farnell
	Header, 4-	U4		Header 4X2		,	,	,	,
Nrf24L01 FC1602B04-	Pin, Dual row		NRF24L01 FC1602B04-	FC1602B04-	1	/	/	/ FC1602B04-	<u>'</u>
FHYYBW-91LE	LCD GPIOExpande	U5	FHYYBW-91LE	FHYYBW-91LE	1	FORDATA	2674137	FHYYBW-91LE MCP23017-	Farnell
MCP23017	r	U6	MCP23017	MPC23017	1	MAXIM	1332087	E/SO	Farnell
DS18B20+	Temp	U7	DS18B20+	DS18B20+	1	INTEGRATED PRODUCTS	2515553	DS18B20+	Farnell
PIC32MX170F 256B		U8	PIC32MX170F 256B	PIC32MX170F 256B	1	MICROCHIP	2449077	PIC32MX170F 256B-I/SO	Earnell
	Pic					TEXAS INSTRUMENT		LM1117T-	Farnell
LM1117D-33	Battery	U9	VoltReg3.3V	LM1117D-33	1	S	1469056	3.3/NOPB	Farnell
32.768kHz	Crystal Oscilla	Y1	XTAL	XTAL	1	ABRACON	1611828	AB38T-32.768k	Farnell