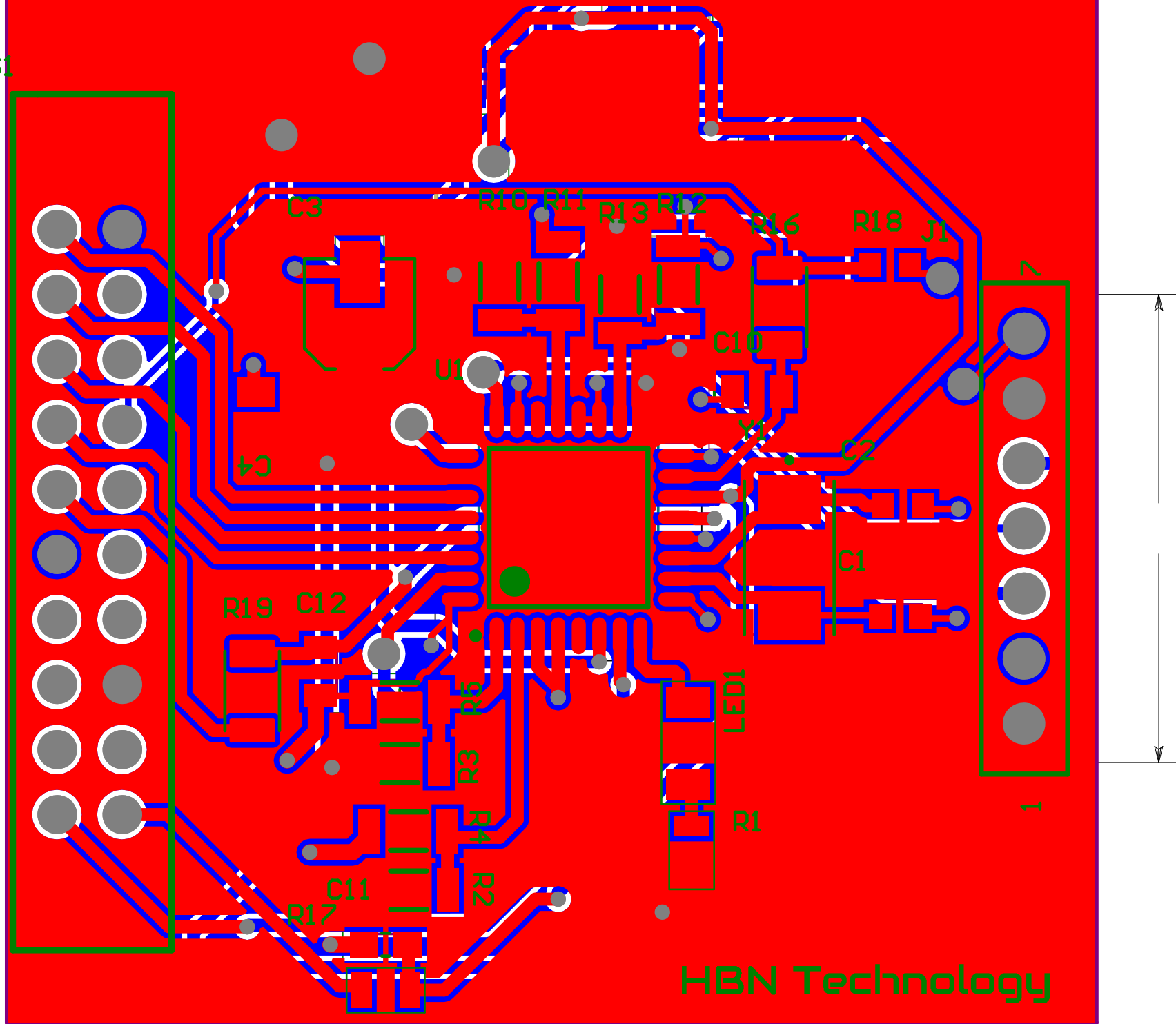


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Comment	Description	Designator	Footprint	LibRef	Quantity	Package
NHD-0208BZ-FL-YBW	Display	DS1	Idc20	NHD-0208BZ-FL-YBW	1	
LTST-C150KGKT	LED	LED1	L-1206	LTST-C150KGKT	1	
1000PF	SURFACE-MOUNT CERAMIC MULTILAYER CAPACITORS	C11	CAPC1608X90	CAP 0603 1000PF	1	None
100Ω	RP 2B 100R 0.1% 15PPM CUT LENG	R9, R16, R19	RESC3115X65N	RES 100OHM	3	None
100nF 50V	WCAP-CSGP General Purpose MLCC; SMT 0805; X7R; 100nF 10%; 50V; -55C to +125C; Tech. PN X7R0805104K050DFC T10000	C6, C10, C12	WCAP-CSGP SMT 0805 100nF 50V	CAP 100nF 50V SMT 0805	3	0805 Wurth Electronics
100K	100 kOhms ±0.25% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Anti-Sulfur, Automotive AEC-Q200, Moisture Resistant Thin Film	R8	RESC1608X55N	RES 100KOHM 0603	1	None
22uF	22µF Â±20% 6.3V Ceramic Capacitor X5R 0603 (1608 Metric)	C1, C2	CAPC1608X90N(22uf0603)	CAP 22uF 0603	2	0603 Samsung
12MHz	Crystals 12MHz 20pF 50ppm -10C +70C	Y1	XTAL_ECS-143-20-23A-EN-TR	ECS-120-20-23A-TR	1	SMD-2 ECS International
10uF		C5	CapSmdElc	C-10uf	1	
10nF	10000pF Â±10% 50V Ceramic Capacitor X7R 0603 (1608 Metric)	C7, C8, C9	CAPC1608X90N	CAP 10nF 50V	3	0603 Samsung
10K	10 kOhms Â±1% 0.25W, 1/4W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200, Pulse Withstanding Thick Film	R6, R7, R15, R18	RESC1608X55N	RES 10Kohm 0603	4	1608 Rohm Semiconductor
10µF	10µF 16V Aluminum Electrolytic Capacitors Radial, Can - SMD 2000 Hrs @ 85Â°C	C3	CAPAE430X550N	10µF 16V Electrolytic Cap	1	Radial Panasonic
7POS CONN		J1	SAMTEC-SSW-107-02-X-S	7POS CONN	1	
1.5K	RN 0805 1K5 0.1% 10PPM CUT LENGTH	R14	RESC2012X65N	RES 1.5K 0805	1	None
1K-0805		R1, R17	R-0805	R-0805	2	
0.1uF	Cap Ceramic 0.1uF 35V X7R 10% SMD 0805 125Â°C Paper T/R	C4	CAPC2012X88N	CAP 0.1uF SMD 0805	1	0805 KEMET
		R2, R3, R4, R5, R10, R11, R12, R13	RES 0.0 OHM 1206	RES 0.0 Ω 1206	8	
	Dual differential comparator, commercial grade 8-SOIC 0 to 70	U2	SOIC127P599X175-8N	LM393D	1	SOIC-8 Texas Instruments
	EG8010 is a CMOS IC that integrates SPWM sinusoid generator, dead time control circuit, range divider, soft start circuit, circuit protection, RS232 serial communication, 12832 serial LCD unit, and etc.	U1	EG8010	EG8010	1	