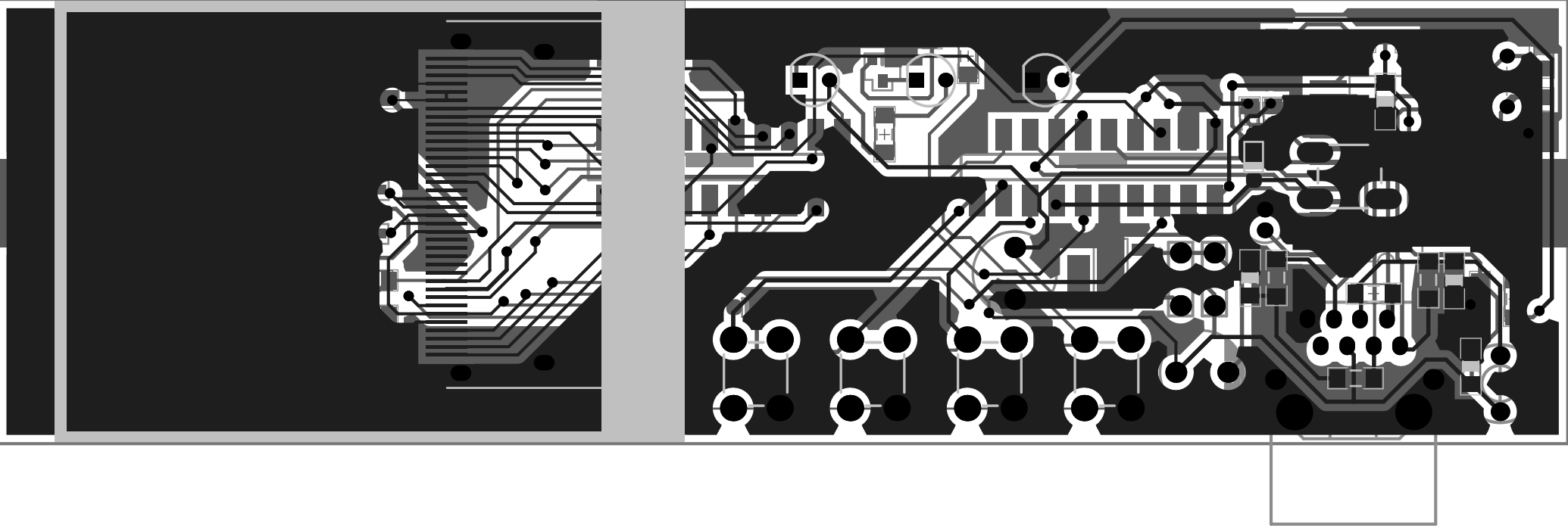


Title		
Interface Board		
Size	Number	Revision
A3		V1.2
Date:	8/14/2019	Sheet of
File:	F:\github_src\Atopcap_SchDoc	Drawn By: Alireza Roozitalab



Comment	Description	Designator	Footprint	LibRef	Quantity
Cap	Capacitor	C1, C2, C3, C7, C8, C9, C12, C13, C14, C15	CAP 1206 (3216X08L)	Cap	10
Cap	Capacitor	C4, C5	REC 10N	Cap	2
Cap Pol1	Polarized Capacitor (Radial)	C6	POL 100U/25V	Cap Pol1	1
Cap Pol1	Polarized Capacitor (Radial)	C10	POL 220U/35V	Cap Pol1	1
Cap Pol1	Polarized Capacitor (Radial)	C11	POL 10U16V	Cap Pol1	1
LED0	Typical INFRARED GaAs LED	D1, D2, D3	LED 3MM A	LED0	3
ENC28J60		ENC1	SOP28	ENC28J60	1
MHDR2X10	Header, 10-Pin, Dual row	FLAT1, FLAT2	box 20 smd	MHDR2X10	2
Inductor	Inductor	L1	TR	Inductor	1
TFT Icd 2.8		LCD1	Icd 2.4 37pin	TFT Icd 2.8	1
2N3904	NPN General Purpose Amplifier	Q1, Q3, Q4	2N3906_SMD	2N3904	3
Res2	Resistor	R1, R3, R5, R7, R8, R10, R11, R12, R13, R14, R15, R16, R18	RES 1206 (3216X08L)	Res2	13
Res1	Resistor	R17	RES 1206 (3216X08L)	Res1	1
HR911105A		RJ1	HR91105	HR911105A	1
SW-DPST	Double-Pole, Single-Throw Switch	S1, S2, S3, S4, S5	SW4	SW-DPST	5
ASM1117-3.3		U1	SOT-223	ASM1117-3.3	1
25MEG	Crystal Oscillator	X1	XTAL Small	XTAL	1
Zener 12V	Zener Diode	Z1, Z2, Z3, Z4, Z5	Diode-1n4148 - SMD PAD	D Zener	5