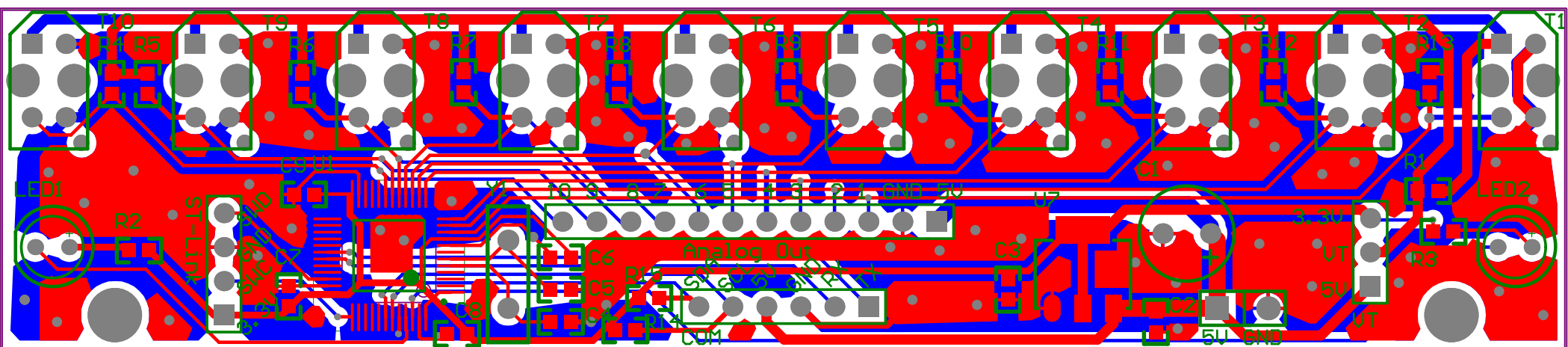


Title		
Size	Number	Revision
A4		
Date:	2018/10/26	Sheet of
File:	C:\Users\...TCRT5000COM.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
47uF/10V		C1	RB2	CAP POL	1
Cap	Capacitor	C2, C3, C6, C7, C8, C9	0603	Cap	6
20p	Capacitor	C4, C5	0603	Cap	2
LED-white	Typical INFRARED GaAs LED	LED1, LED2	LED-white	LED-white	2
5V GND	Header, 2-Pin	P1	SIP2-150	Header 2	1
COM	Header, 6-Pin	P2	HDR1X6	Header 6	1
ST-Link	Header, 4-Pin	P3	HDR1X4	Header 4	1
Analog Out	Header, 12-Pin	P4	HDR1X12	Header 12	1
VT	Header, 3-Pin	P5	HDR1X3	Header 3	1
Res3	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15	0603	Res3	15
Optoisolator1	4-Pin Phototransistor Optocoupler	T1, T2, T3, T4, T5, T6, T7, T8, T9, T10	TCRT5000	Optoisolator1	10
STM32F103C8T6	STM32 ARM-based 32-bit MCU Performance Line with 64 kB Flash, 20 kB Internal RAM, -40 to +85癯 Temperature, 48-Pin LQFP, Tray	U1	QUAD48	STM32F103C8T6	1
LM1117		U7	SPP3	LM1117	1
8M	Crystal Oscillator	Y1	XTAL1	XTAL	1