

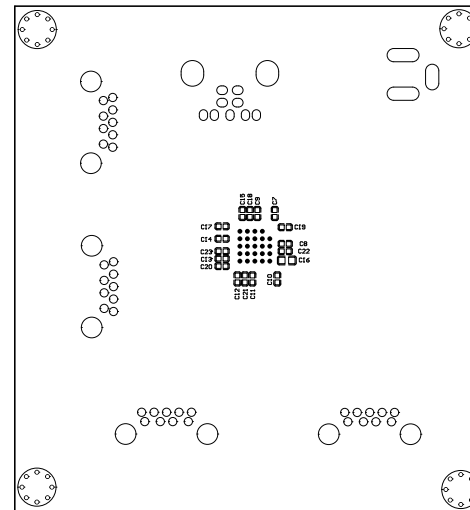
Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.020mm	3.8	
1	TOP	Copper	0.035mm		
	2I33PP	PP-014	0.100mm	4.05	
2	GND02	Copper	0.018mm		
	Core	Core-036	1.265mm	4.6	
3	PWR03	Copper	0.018mm		
	23I3PP	PP-014	0.100mm	4.05	
4	BOTTOM	Copper	0.035mm		
	Bottom Solder	Solder Resist	0.013mm	3.8	
	Bottom Overlay				

Total board thickness: 1.603mm

DIFFERENTIAL TRACE IMPEDANCE CONTROL

LAYER	WIDTH (mil)	IMPEDANCE (ohm)	PRECISION	REF LAYER	REMARK
L1	6~8	90	±~10%	L2	

Note:If etch layer don't have above impedance track pls ignore



Comment	Description	Designator	Footprint	LibRef	Quantity
106	Capacitor	C1	C0603	CAP	1
475	Capacitor	C2, C3	C0805	CAP	2
18P	Capacitor	C4, C5	C0402	CAP	2
105	Capacitor	C6, C24, C25, C26	C0402	CAP	4
104	Capacitor	C7, C8, C9, C10, C11, C12, C13, C14, C15, C17, C18, C19, C20, C21, C22, C23, C28, C29, C30, C31, C34, C36, C38, C39, C40, C42, C44, C45, C46, C48, C50, C51, C52, C54, C56, C57	C0402	CAP	36
475	Capacitor	C16	C0603	CAP	1
105	Capacitor	C27	C0603	CAP	1
106	Capacitor	C32, C35, C41, C47, C53	C0805	CAP	5
1000pF	Capacitor	C33, C37, C43, C49, C55	C0402	CAP	5
MMGZ5232BPT /X	稳压二极管	D1	LL-34	DIODE_Zener	1
100uF	Electrolytic Capacitor	EC1	C_SMD(6.3x7.7)	ELECTRO	1
5V/1.5A	保险丝	FU1	FU1210	FUSE	1
DC_JACK	5V/9V电源座	JA1	DC_005	DC_JACK	1
10uH	磁芯/铁心电感	L1	CD53	INDUCTOR1	1
FB	磁珠	LB1, LB2, LB3, LB4, LB5	L0805	FB	5
GREEN	发光二极管	LED1, LED2, LED3, LED4	LED_0603	LED	4
M_KONG		M1, M2, M3, M4	M3*8	M_KONG	4
AO3401	P-Channel MOSFET	Q1	SOT23	MOSFET-P	1
0R	电阻	R1	R0402	RES	1
10K	电阻	R2, R7, R8, R13, R15, R19	R0402	RES	6
6.04K 1%	电阻	R3	R0402	RES	1
4.7K 1%	电阻	R4	R0402	RES	1
100K	电阻	R5	R0402	RES	1
10K 1%	电阻	R6	R0402	RES	1
680R	电阻	R9, R10, R11, R12	R0402	RES	4
4.7K	电阻	R14, R16, R17	R0402	RES	3
5.1K	电阻	R18	R0402	RES	1
TESTPOINT	测试点	TP1, TP2, TP3, TP4	TP	TP	4
VL812(B1)_QFN76	USB 3.0 HUB Controller	U1	QFN76-0.4_9*9	VL812(B1)_099	1
FP6809-29NS3G	微处理器复位芯片	U2	SOT23	FP6809	1
MX25L512COI-12G	Flash	U3	SOIC8	A25QXX	1
G547E2P11U	MOS管开关芯片	U4	SOP8	G547E2P11U	1
USB3.0-B		USB1	USB3.0-B	USB3.0-B	1
USB3.0-A		USB2, USB3, USB4, USB5	USB3.0-A	USB3.0-A	4
25MHz	晶振	Y1	OSC-3225_4	CRYSTAL_4PIN	1