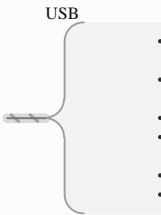


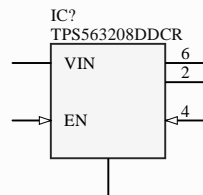
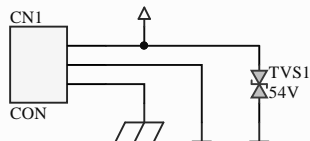
Title		
Size A3	Number	Revision
Date:	2020. 05. 25.	Sheet of
File:	X:\HDD_TOSHIBA_1TB\MAIN.SchDoc	Drawn By:

▲ USB Connector:
- FUS310-FSBK6M (LCSC, USB 3.0 Micro B, 71 Ft)

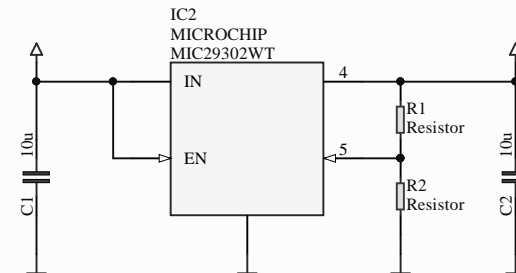


Title		
Size A3	Number	Revision
Date:	2020. 05. 25.	Sheet of
File:	X:\HDD_TOSHIBA_1TB\...\SystemOverview	Drawn By

▲ Kellene valami jó soft start + polarity protection!

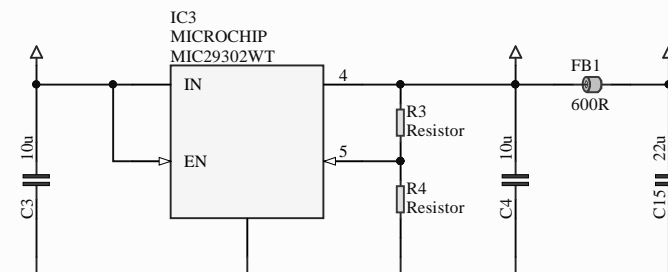


▲ TMAX-0530-4R7-M
LCSC Part # C429772

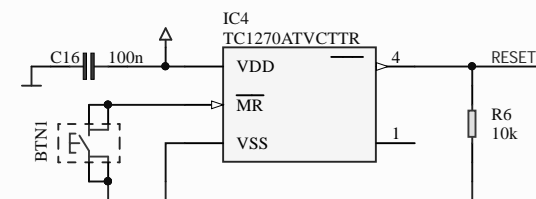


▲ Power:
- 3V3: 80 mA -> 0.264 W
- 2V5: 330 mA -> 0.825 W
- 1V2: 1200 mA -> 1.44 W

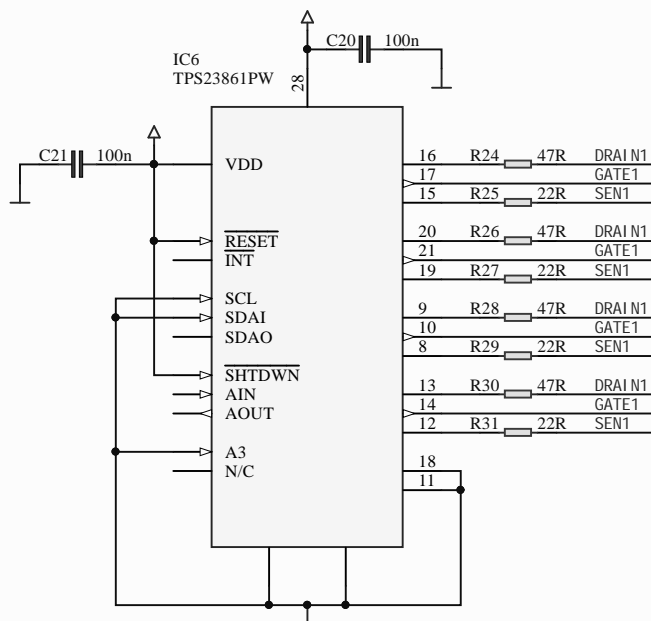
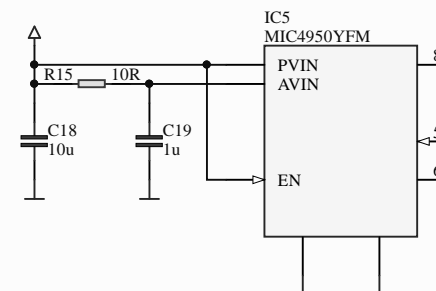
▲ LD0:
- MI CROCHIP, MIC29302WT
- MI CROCHIP, MCP1827-ADJE/AT



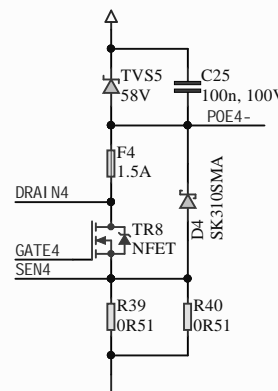
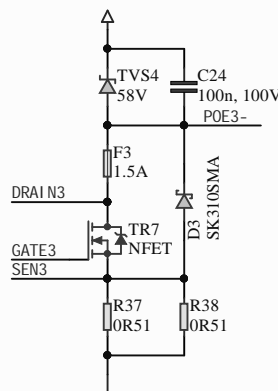
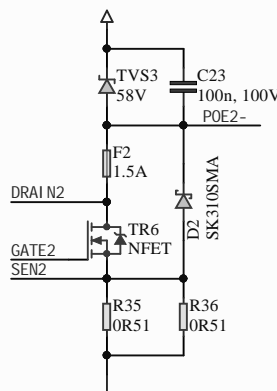
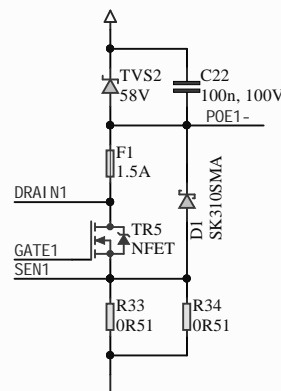
▲ Start Up Sequence:
1: 3V3, 2V5
2: 1V2
3: 10ms delay
4: RESET high



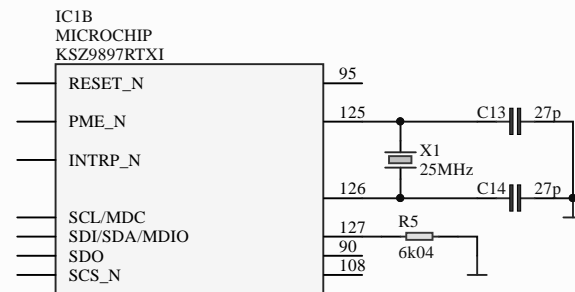
▲ Supervi sor:
TC1270ATVCTTR
delay = 140 ... 560 ms



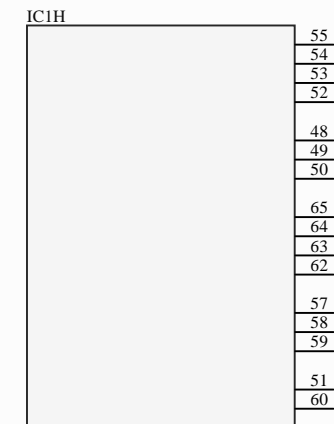
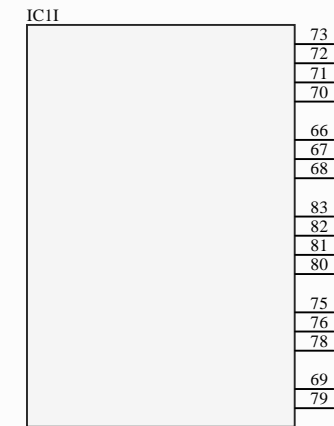
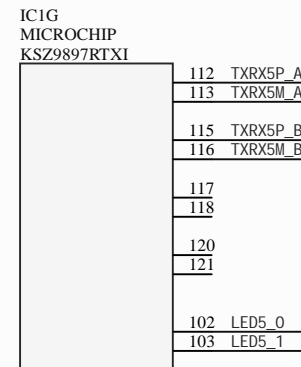
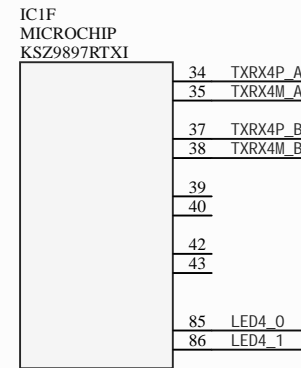
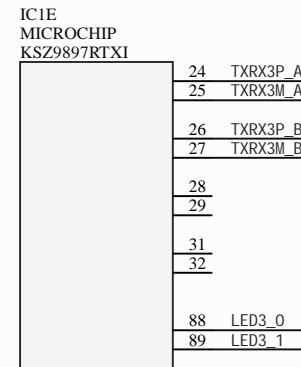
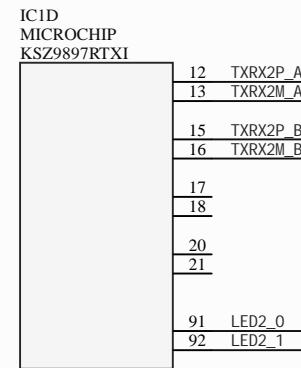
▲ POE Powerhez alkatrészek:
- NFET: PSMN039-100YS, BSC440N10NS3GATMA1
- FUSE: 1206, 63VDC
- CS RES: CS03FTFPR510 v. 0805
- TVS: SMBJ58A v. SM6T68A
- SCHOTTKY: SK310SMA



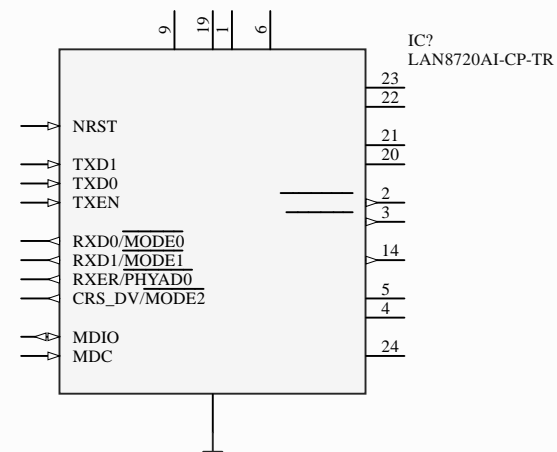
Title		
Size	Number	Revision
A3		
Date:	2020. 05. 25.	Sheet of
File:	X:\HDD_TOSHIBA_1TB\...\Power.SchD	Drawn By:



	1	TXRX1P_A
	2	TXRX1M_A
	3	
	4	TXRX1P_B
	5	TXRX1M_B
	6	
	7	
	8	
	9	
	10	
	105	LED1_0
	106	LED1_1
	107	

MICROCHIP
KSZ9897RTXI

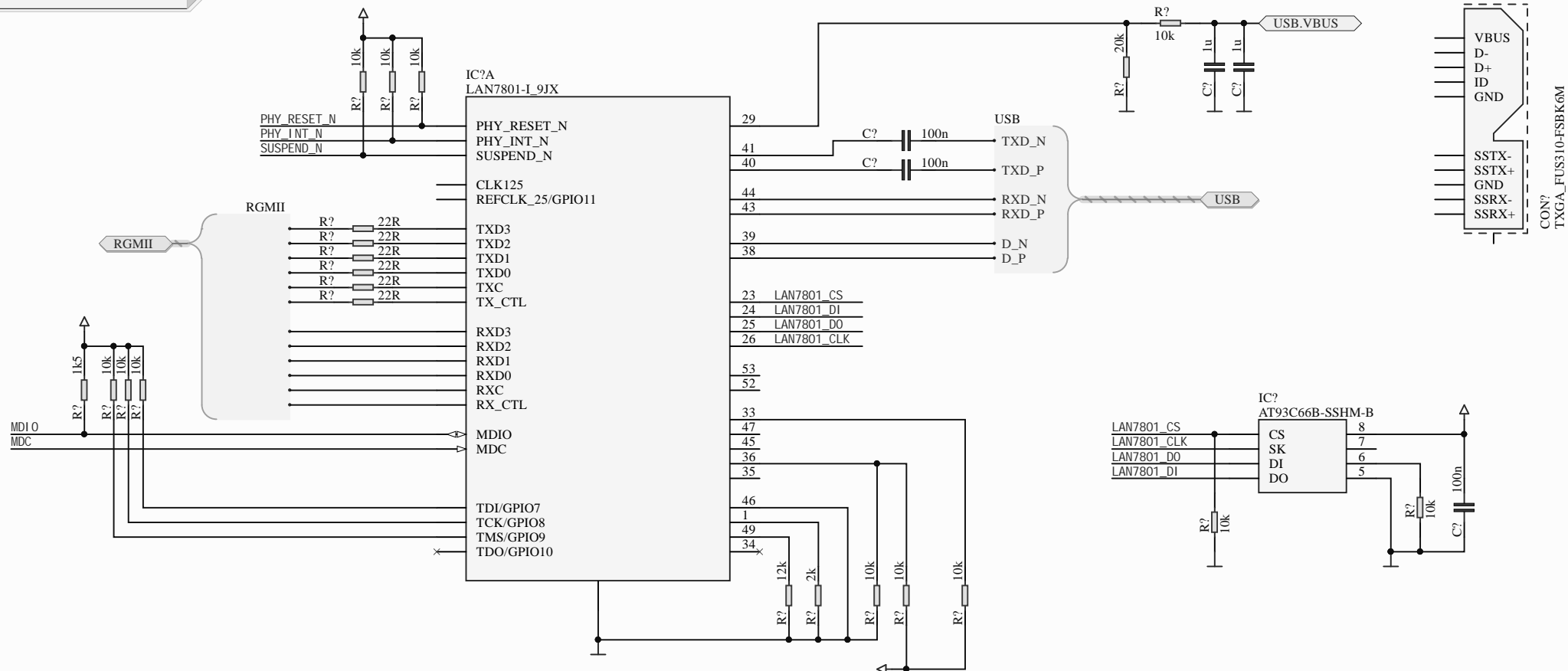
Title		
Size A3	Number	Revision
Date:	2020. 05. 25.	Sheet of
File:	X:\HDD_TOSHIBA_1TB\...\KSZ9897R	Drawn By:



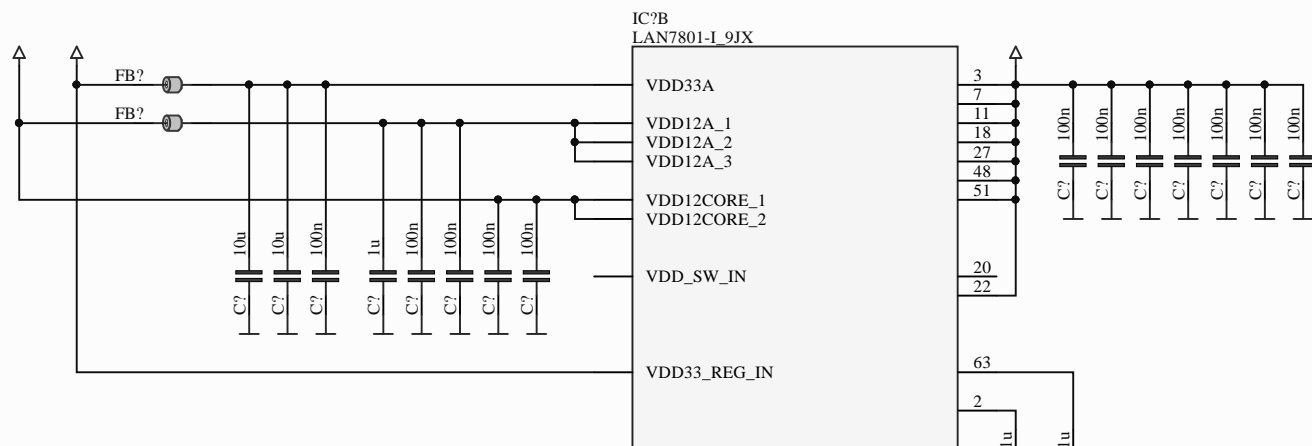
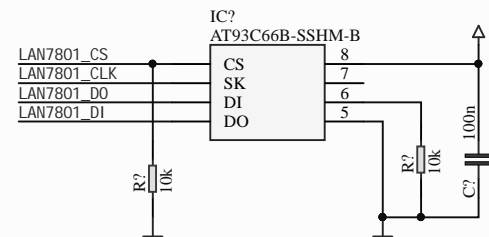
Title		
Size A3	Number	Revision
Date:	2020. 05. 25.	Sheet of
File:	X:\HDD_TOSHIBA_1TB\...\LAN8720A_Sch.Dwg	By:

C? 47u
C? 10u
C? 1u
C? 100n

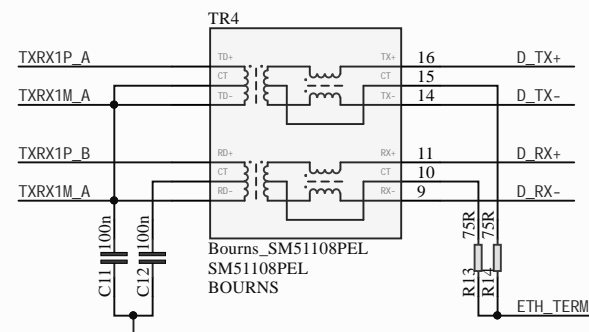
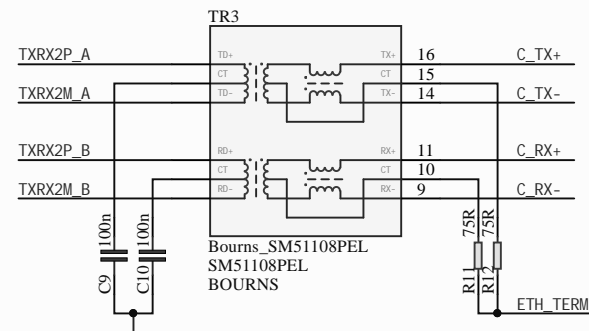
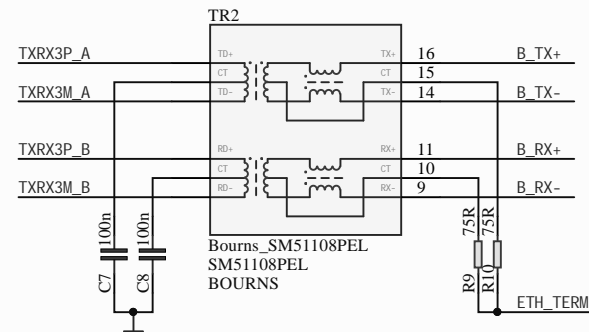
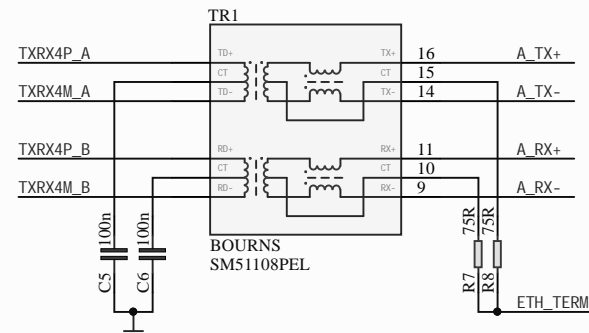
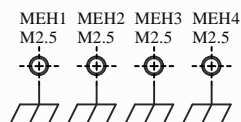
Power Supply Requ. :
- VDDVARIO (+1.62 V to +3.63 V):
- VDD33A (+2.97 V to +3.63 V):
- VDD12A (+1.1 V to +1.26 V):
- VDD12CORE (+1.1 V to +1.26 V):



PME_MODE:
- 0: normal operation
- 1: PME



Title		
Size	Number	Revision
A3		
Date:	2020.05.25.	Sheet of
File:	X:\HDD_TOSHIBA_1TB\...\LAN7801_SchDocn By:	



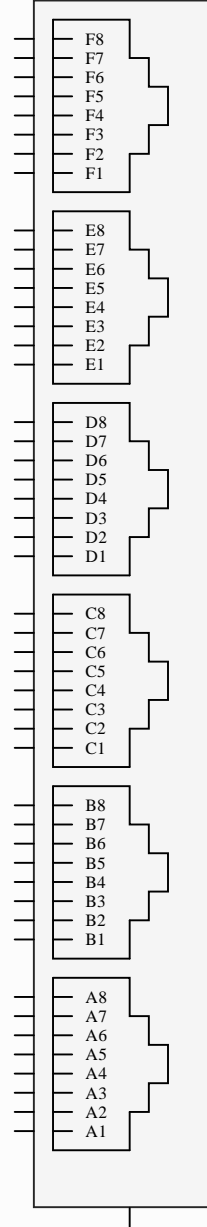
Alternative XFRM:

- HR641680 (LCSC, 72 Ft)
- 11FB-05NL (POE, LCSC, 90 Ft)
- BT16B41PP (POE+, LCSC, 100 Ft)
- 15FB-41GNL (4P, POE+, LCSC, 320 Ft)
- QT24A23 (1P, 1000Mbps, LCSC, 192 Ft)

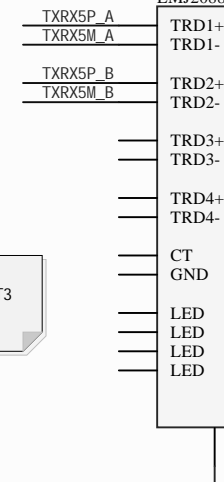
1000Base-T RJ45 connector:

- Amphenol, LMJ20881014140DLET3
- Würth, 7499110124

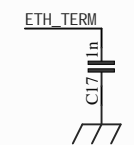
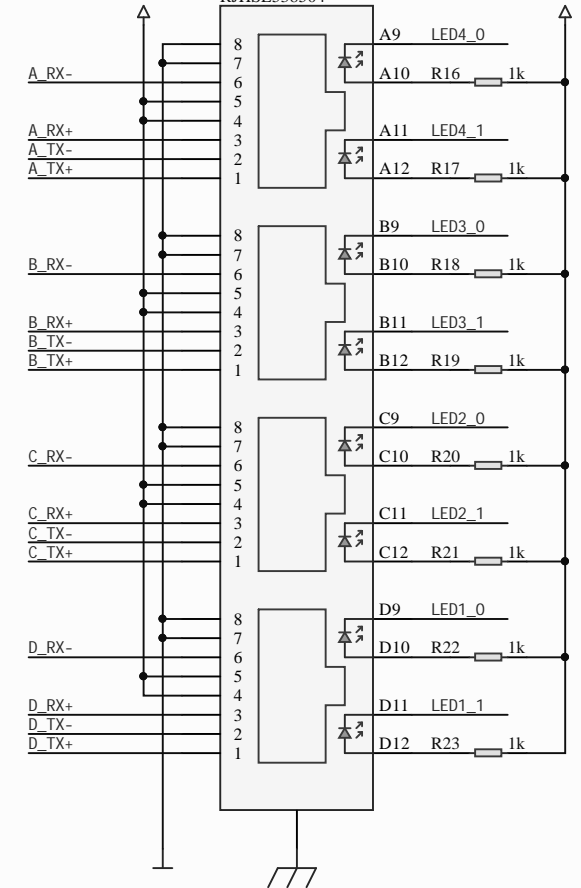
CON?
CONNFLY_DS1130-02



CON1
AMPHENOL
LMJ20881014140DLET3



CON2
AMPHENOL
RJHSE538504



Ethernet Transformer:

- Bourns, SM51108PEL (100Mbps)
- Bourns, SM51589PEL (1Gbps, POE)
- Bourns, SM51625EL (1Gbps, POE+)

100Base-T RJ45 connector:

- Amphenol, LMJ199882X433DL1T0
- Connfly, DS1130-02-S8B8P (6p)
- Connfly, DS1129-02-S80BP (4p)

Title		
Size	Number	Revision
A3		
Date:	2020.05.25.	Sheet of
File:	X:\HDD_TOSHIBA_1TB\...\Connectors	SD By: