

Date	Revision	Page	Block	Change Description	Changed by
09-Oct-2015	Draft	N/A	N/A	Initial Design	He Changqi
02-Dec-2015	1.1	2	FT812	Revise audio circuit: delete Op-Amp, change audio gain to 3.6 and change to JST 4 pin top entry 1.5mm pitch connector	He Changqi
		3	FT900	Add RTC circuit	
15-Jun-2016	1.2	2	FT812	Add ESD diode at touch Line,change RGB damping resistor to 100OHM	He Changqi
		3	E-Flash USB	Change E-Flash chip select to SPIM_ssn2 Change D2 to MSS1P3L (Low reverse current)	
		4	MicroE	Change MicroE Bus chip select to SPIM_ssn1	
22-July-2016	1.3	N/A	N/A	Revision Up Due to Layout Changes	Ng Yee Bin

CleO 50 EVE Arduino Module - FT812Q Connection
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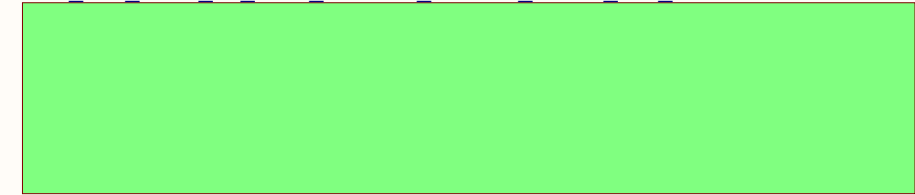
Test Point Summary:


- | | | | | |
|-----------------|-----------------|-----------------|------------------|---------------|
| P0 ● PCLK' | P11 ● SD CLK | P27 ● FT900 IRQ | P45 ● I2S SDAO | P67 ● VDD 5V |
| P1 ● FT812 AUDL | P12 ● SD CMD | P28 ● RTC INT# | P46 ● I2S SDAI | P68 ● VDD 3V3 |
| P2 ● DA SHDN# | P13 ● SD DETN | P29 ● I2C0_SCL | P47 ● I2S BCLK | P69 ● VDD SEL |
| P3 ● FT812 INT# | P14 ● SPIM SCK | P30 ● I2C0_SDA | P48 ● I2S LRCLK | P70 ● CAM 5V |
| P4 ● FT812 PD# | P15 ● SPIM SSN0 | P31 ● I2C1_SCL | P49 ● I2S MCLK | P71 ● CAM 3V3 |
| P5 ● LEDA | P16 ● SPIM MOSI | P32 ● I2C1_SDA | P50 ● I2SM_CLK22 | P72 ● GND |
| P6 ● LEDK | P17 ● SPIM MISO | P33 ● RESET# | P51 ● I2SM_CLK24 | P73 ● GND |
| P7 ● EXT AUD | P18 ● SPIM IO2 | P34 ● PWM0 | P52 ● ETH_LED0 | P74 ● GND |
| P8 ● SPK_PWR | P19 ● SPIM IO3 | P35 ● PWM1 | P53 ● ETH_LED1 | P75 ● GND |
| P9 ● SP+ | P20 ● SPIM SSN2 | P36 ● PWM2 | P54 ● GPIO6 | P76 ● D_N |
| P10 ● SP- | P21 ● SPIM SSN1 | P37 ● UART0_TXD | P55 ● GPIO7 | P77 ● D_P |
| | P22 ● SPIM SSN3 | P38 ● UART0_RXD | P56 ● GPIO8 | P78 ● VBUS |
| | P23 ● SPIS SCK | P39 ● UART0_RTS | P57 ● GPIO9 | |
| | P24 ● SPIS SSN | P40 ● UART0_CTS | P58 ● GPIO15 | |
| | P25 ● SPIS MOSI | P41 ● UART1_TXD | P59 ● GPIO16 | |
| | P26 ● SPIS MISO | P42 ● UART1_RXD | P60 ● SCK' | |
| | | P43 ● UART1_RTS | P61 ● SS | |
| | | P44 ● UART1_CTS | P62 ● MOSI' | |
| | | | P63 ● MISO' | |
| | | | P64 ● IRQ | |
| | | | P65 ● DEBUG | |
| | | | P66 ● DTC | |

CleO 50 EVE Arduino Module - FT900Q Connection
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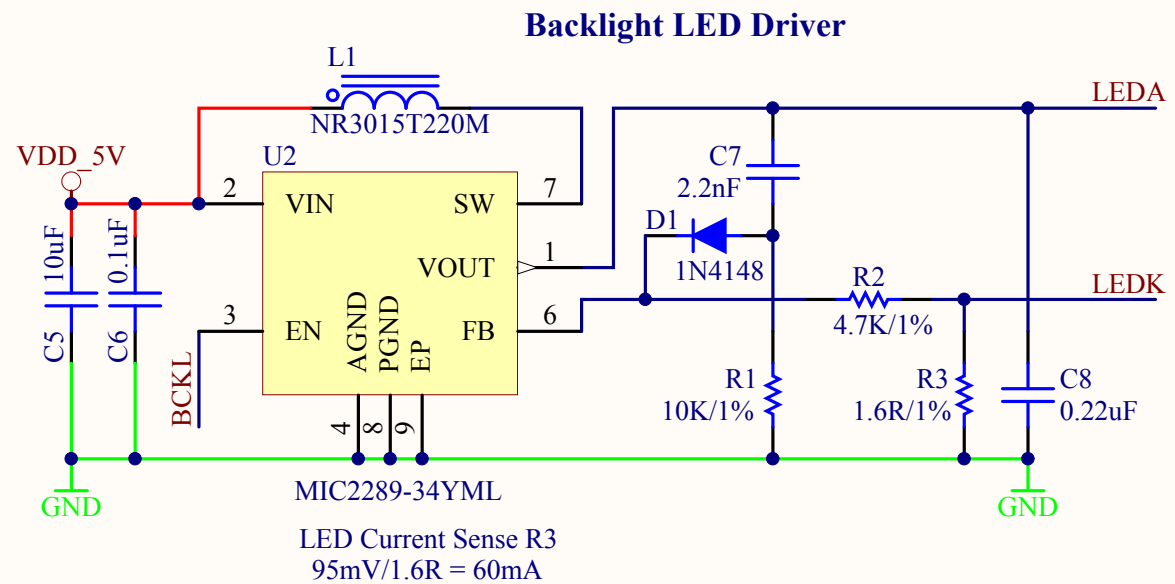
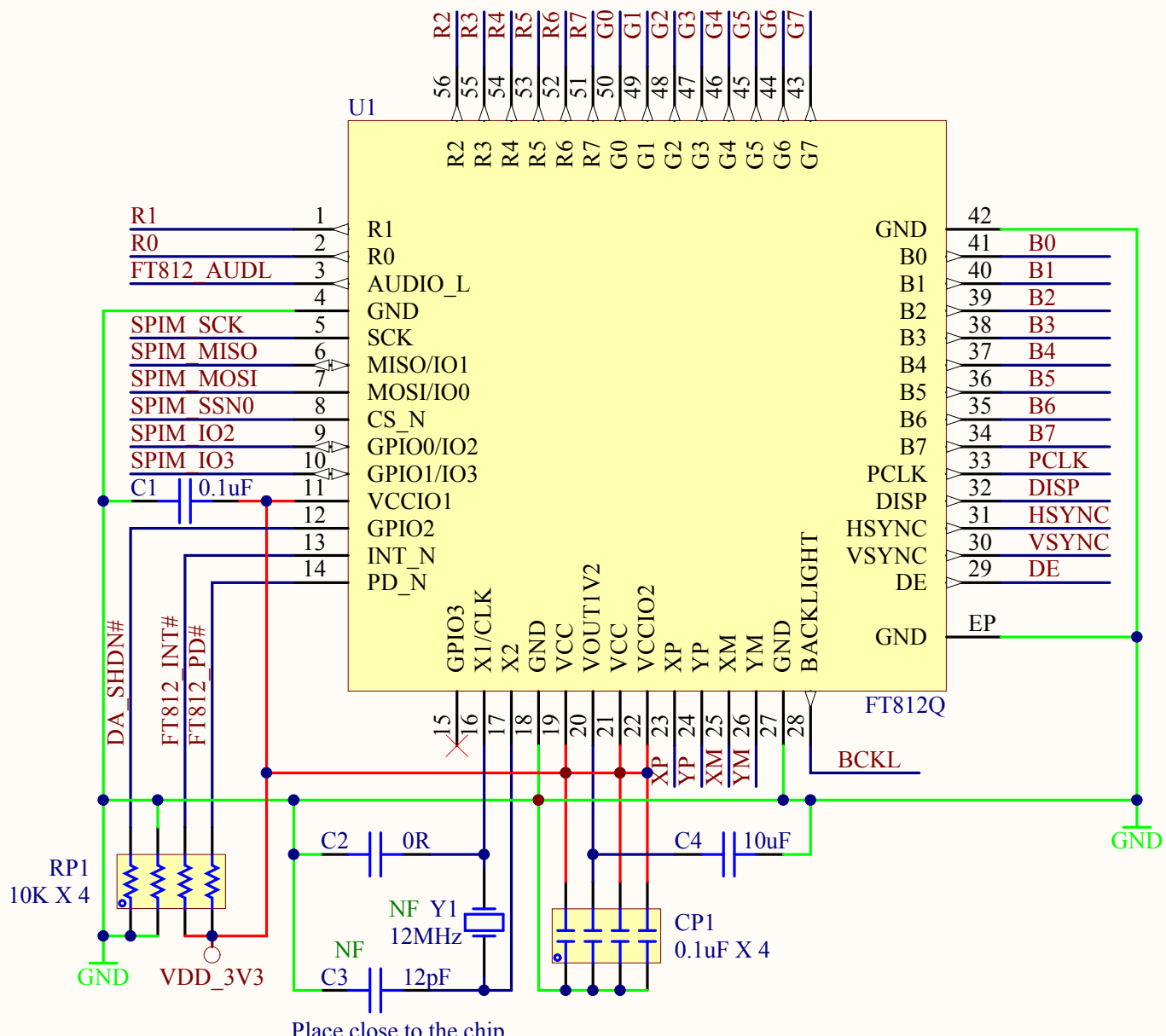


CleO 50 EVE Arduino Module - Power and Connectors
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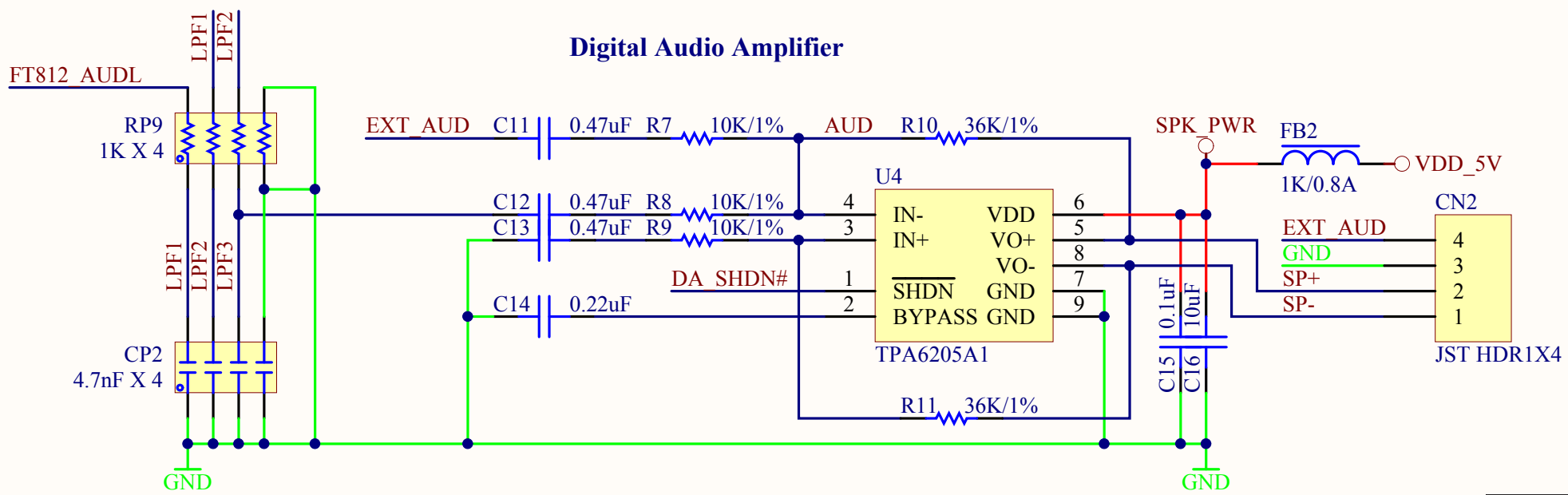


Title CleO 50 EVE Arduino Module		Future Technology Devices International Ltd.	
Revision History		178 Paya Lebar Road #07-04/05 Singapore 409030	
Size: A4	Number: HW_465.	Revision: 1.3	
Date: 22/7/2016	Time: 5:38:12 PM	Sheet 1 of 4	
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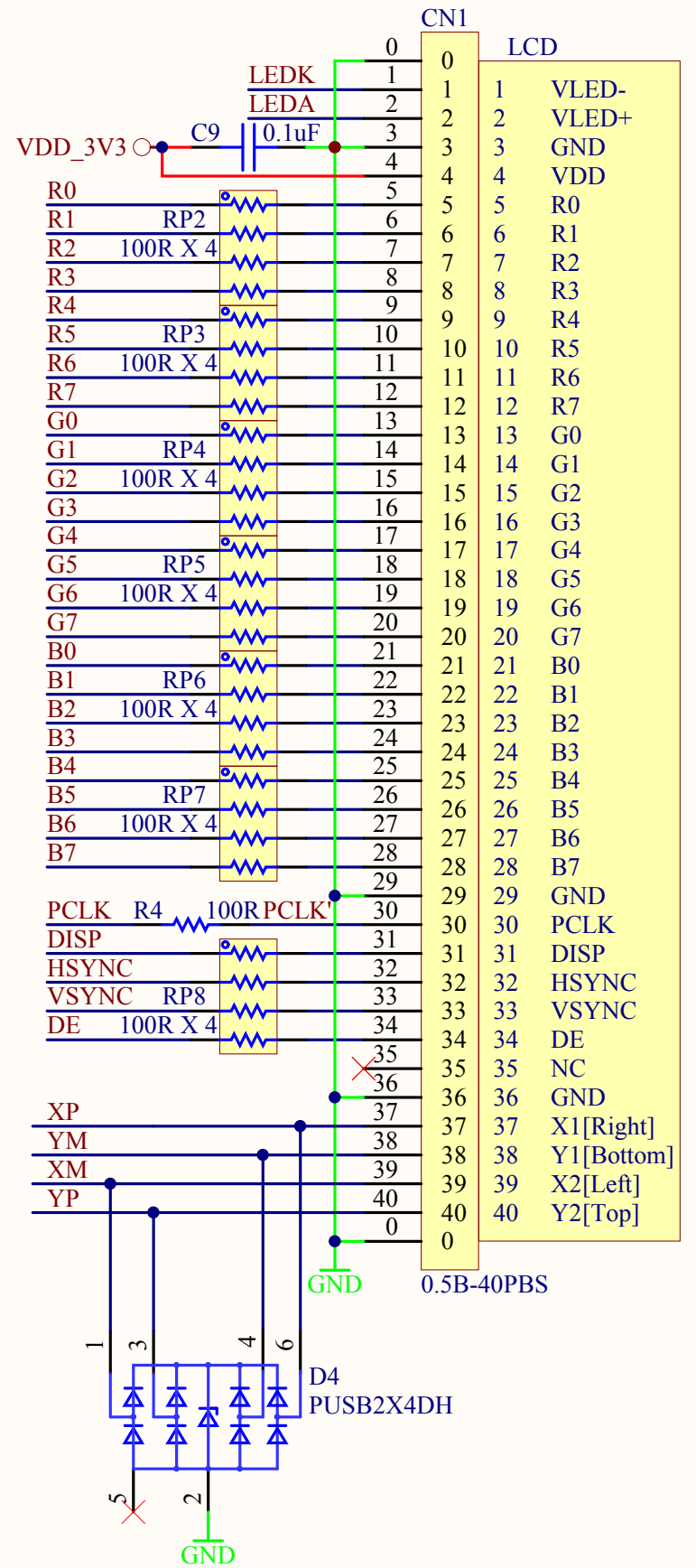
FT812Q Module



Digital Audio Amplifier

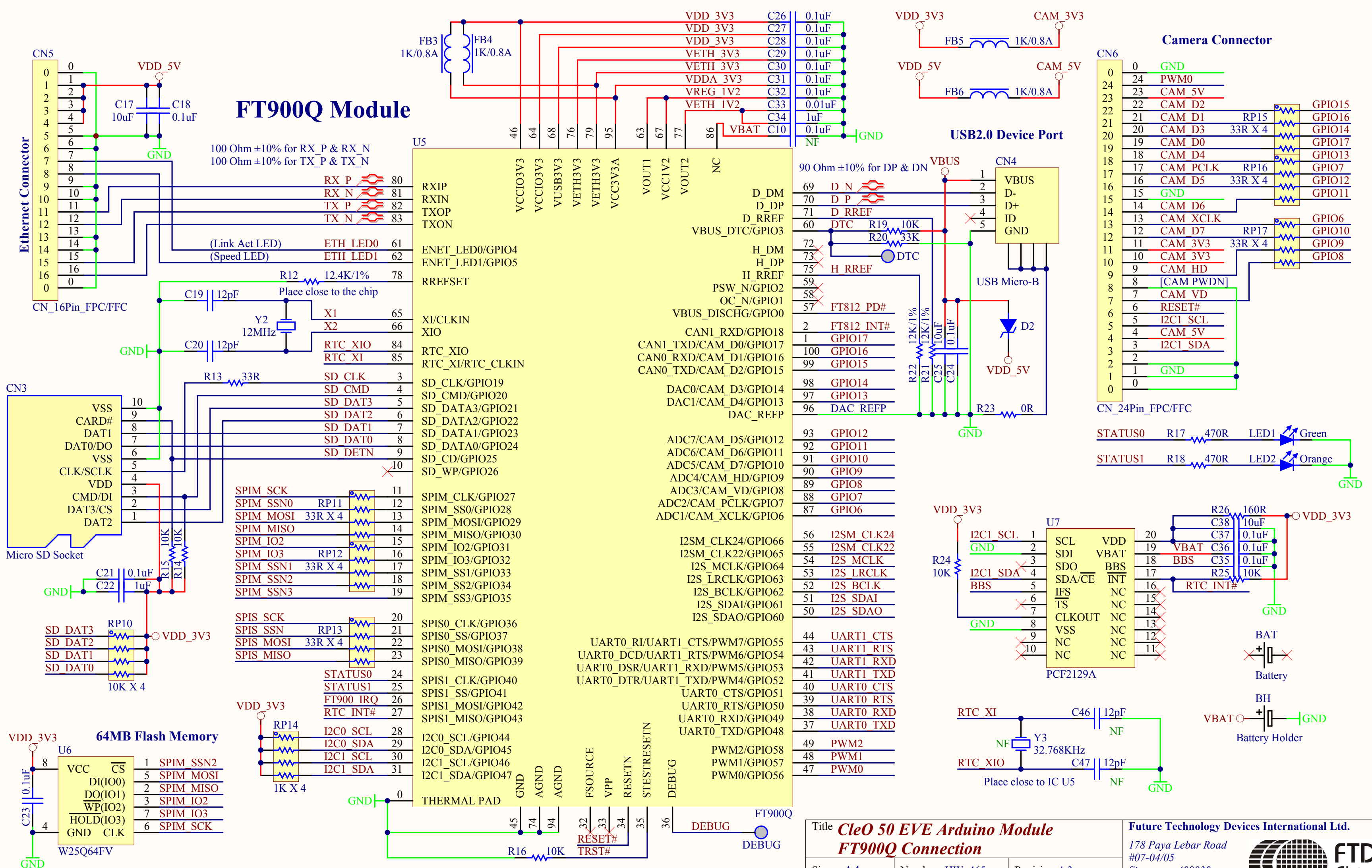


LCD Connector and Panel

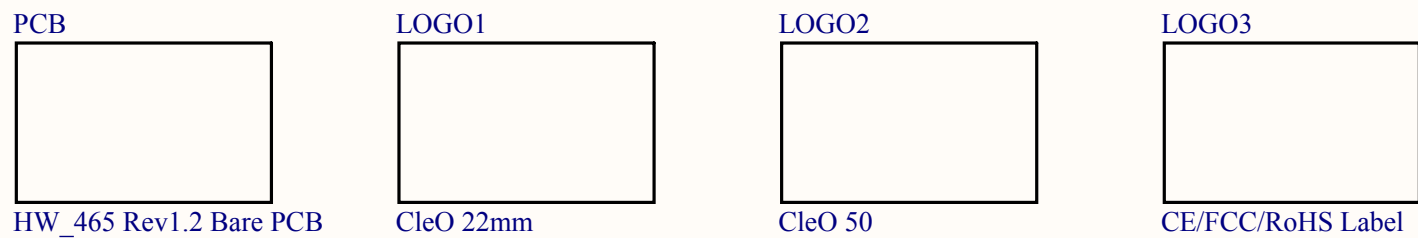
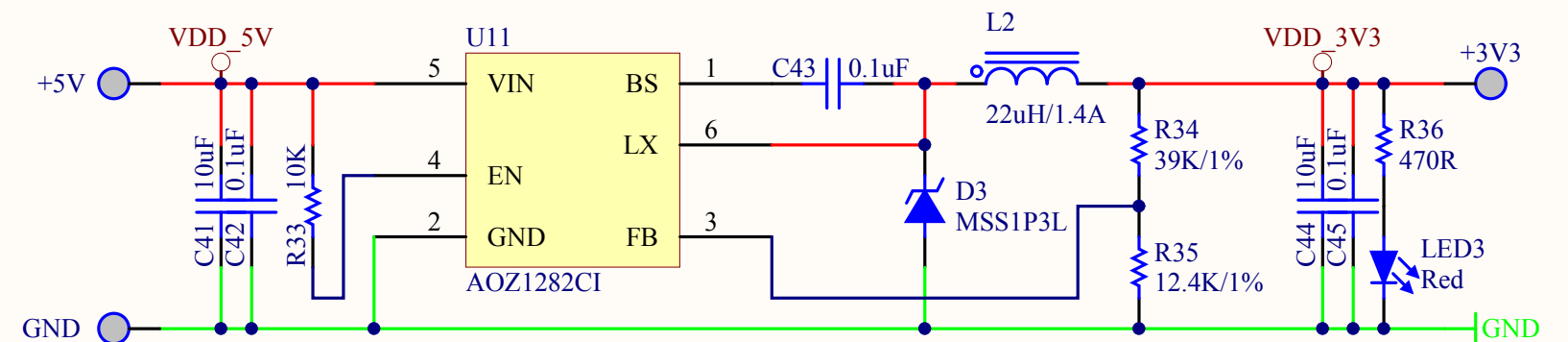
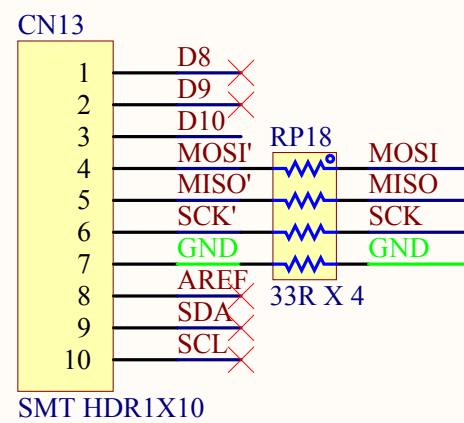
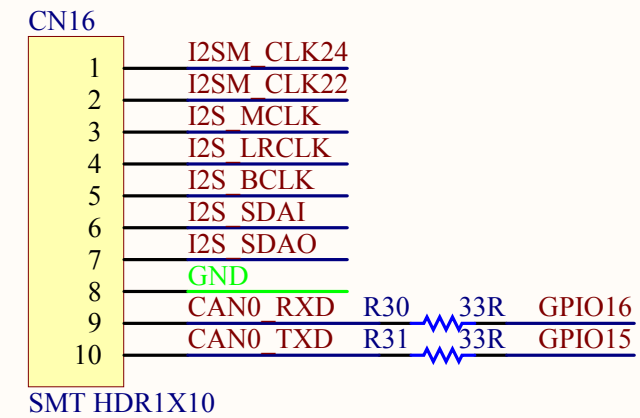
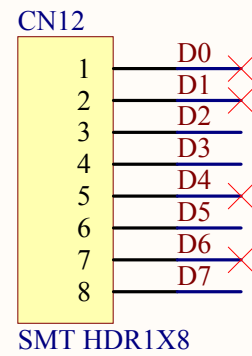
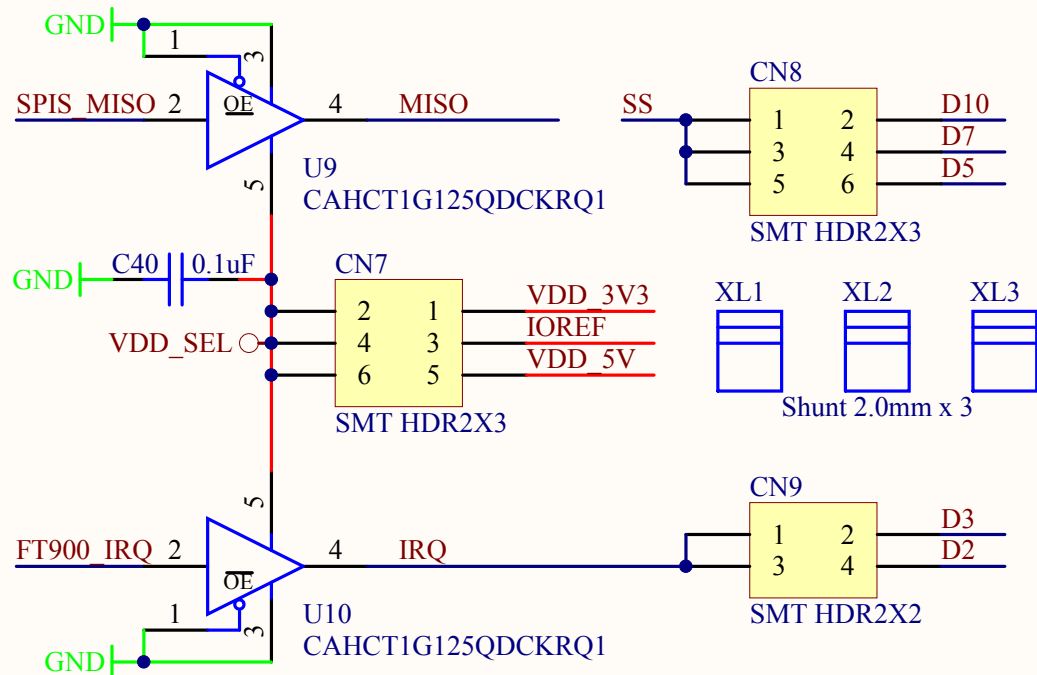
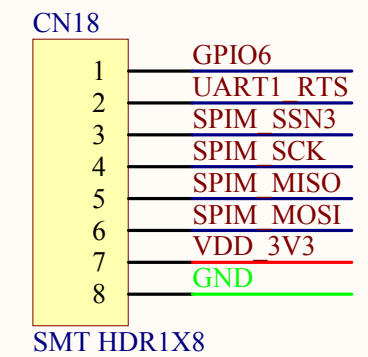
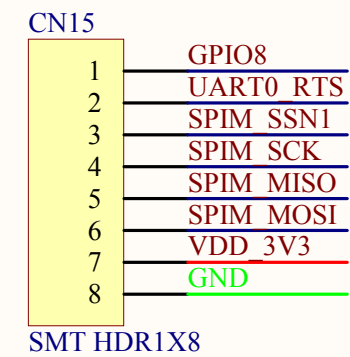
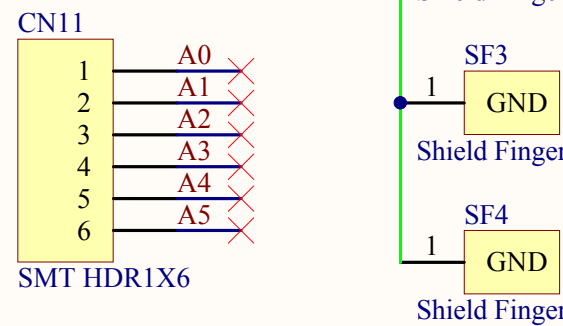
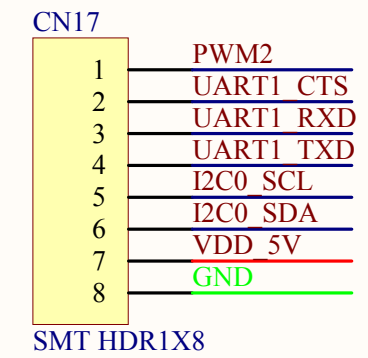
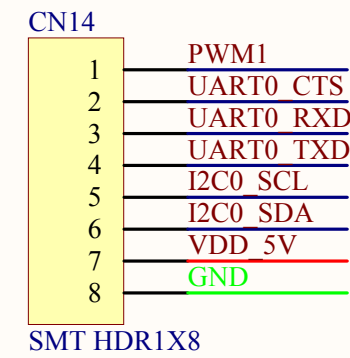
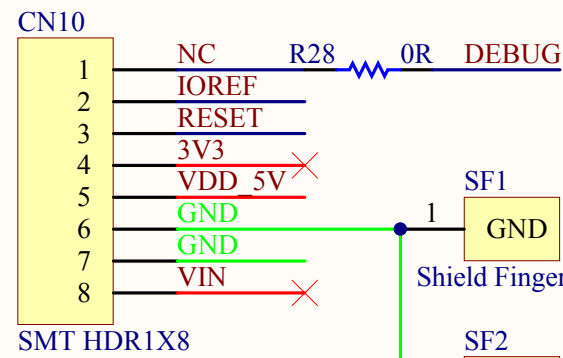
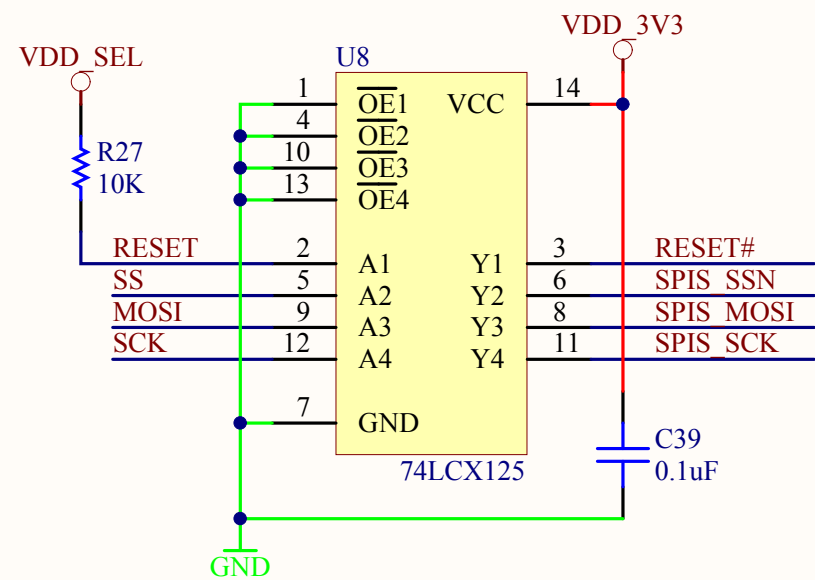


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Number: HW_465.			#07-04/05		
Revision: 1.3			Singapore 409030		
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FT900Q Module



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Title **CleO 50 EVE Arduino Module Power and Connectors**

Future Technology Devices International Ltd.

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