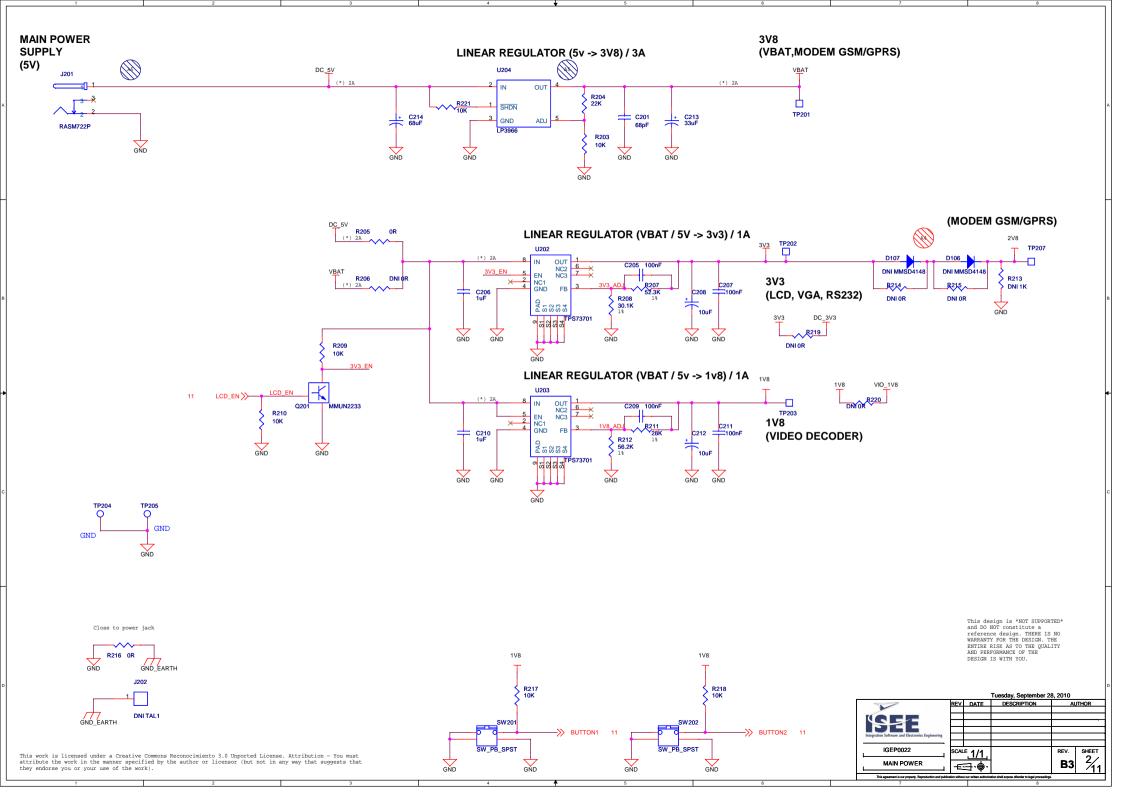
IGEP.0022 - IGEPv2 EXPANSION - PROTO B3 -30/09/2010

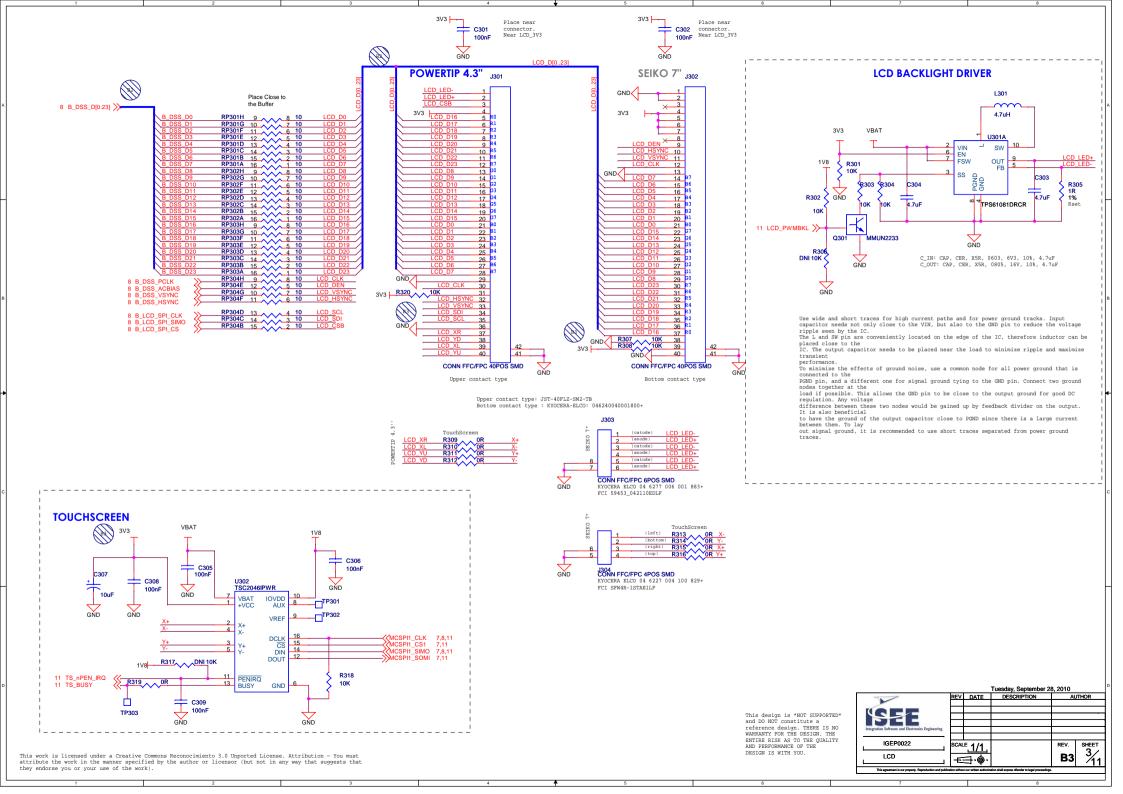
REV	Description	DATE	BY
A2	First Release	24/05/2010	JAP
А3	J960 New Part Number. SAMTEC HLE SERIE (BOTTOM ENTRY)	26/05/2010	JAP
A4	U401 Incorrect schematic signals U204 Deleted 2V8 from 3V3 by using 1n4148 diodes J405 Add pins S1 and S2 connected to GND	9/06/2010	JAP
A5	Deleted U201. New U204 Regulator LM3966 for MODEM GSM/GPRS Deleted R201, F201 and D201 J991 pinout	22/06/2010	JAP
A6	New R420 between MODEM_PWRMON and 2V8 R411 and R412 new values U501A new value TVP5151PBS J990 and J960 new values U302 new value TSC2046IPWR	20/07/2010	JAP
B1	J301 and J302 LCD Data Bus new pinout (from 24-bit RGB to 24-bit BGR). LVDS DSS interface new pinout (from 18-bit RGB ro 18-bit BGR)	9/09/2010	JAP
B2	Deleted nets UART3_TXD_3V3 and UART3_RXD_3V3. 4. RS232 driver various corrections VGA - Deleted D801, D801, F801, R802, C811, D803 VGA - New capacitor 100nF from VREF to VGA_AVCC VGA - C812, C813 and C814 from 47pF to 10pf 8. VGA - all BAV99L DNI VGA - New BUS VGA_D[023] LCD - New bus LCD_D[0:23]	21/09/2010	JAP
В3	11. LCD - Deleted net LCD_3V3. LCD_3V3=3V3 12. CAN - U702 OE connected to 1V8 13. CAN - new net CAN_IRQ 14. LVDS - Add new R907 and R908 15. TFT: Erased net LCD_DEN from J301:32 connector 16. TFT: New R320 J301:32 to 3V3 17. VIDEO: Erase net CAM_RESET and CAM_PDN from JC30:23,24. Erase R519 and R521. 18. CONNECTORS: Add new R909 and R910. I2C pull up 19. CONECTORS: Erased net I2C_SCL and I2C_SDA from JC30:21,22. 20. VIDEO: Y501 crystal should be 27MHZ (before 14.31818MHz) 21. VGA - U801 = ADV7125KSTZ140	30/09/2010	JAP

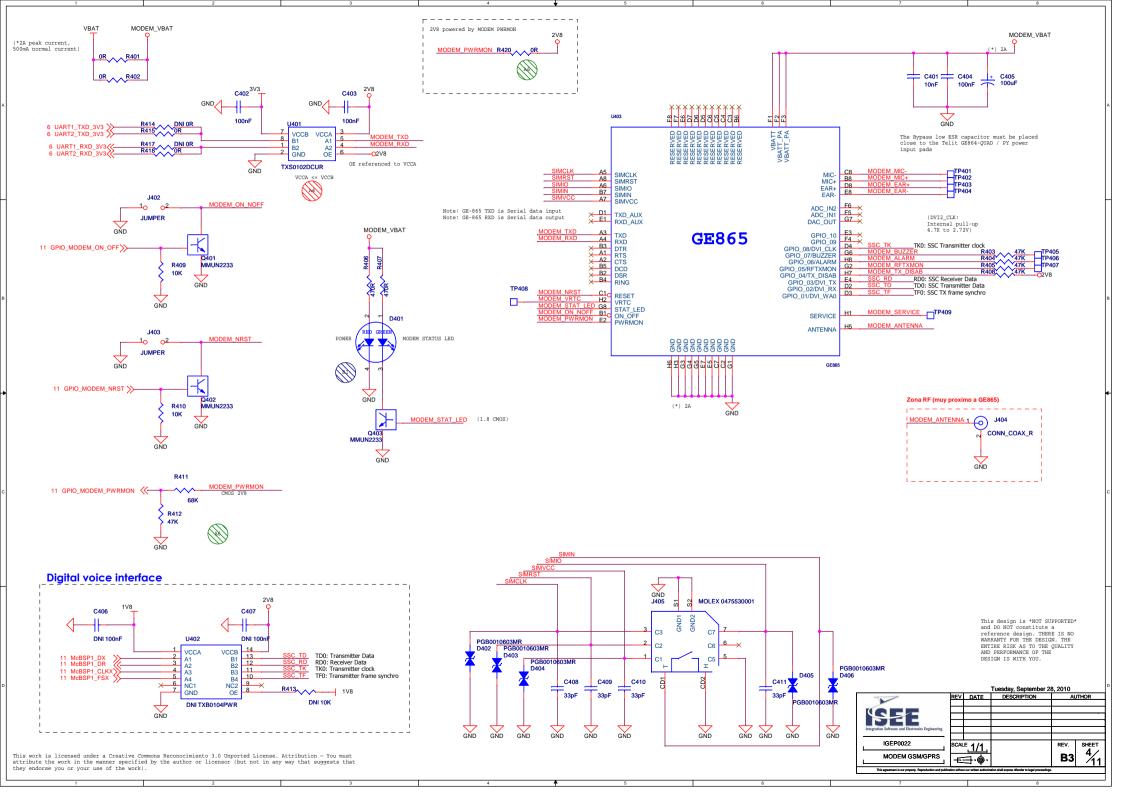
	CONTENTS
PAGE NO.	SCHEMATIC PAGE
1	COVER PAGE
2	MAIN POWER
3	TFT + TOUCH + BACKLIGHT
4	MODEM GSM/GPRS (Telit GE865)
5	VIDEO DECODER (Texas TVP5150)
6	R\$232
7	CAN BUS (MCP2515 and MCP2551)
8	VGA INTERFACE
9	LVDS (MAX9247)
10	CAMERA
11	IGEPv2 - CONNECTOR

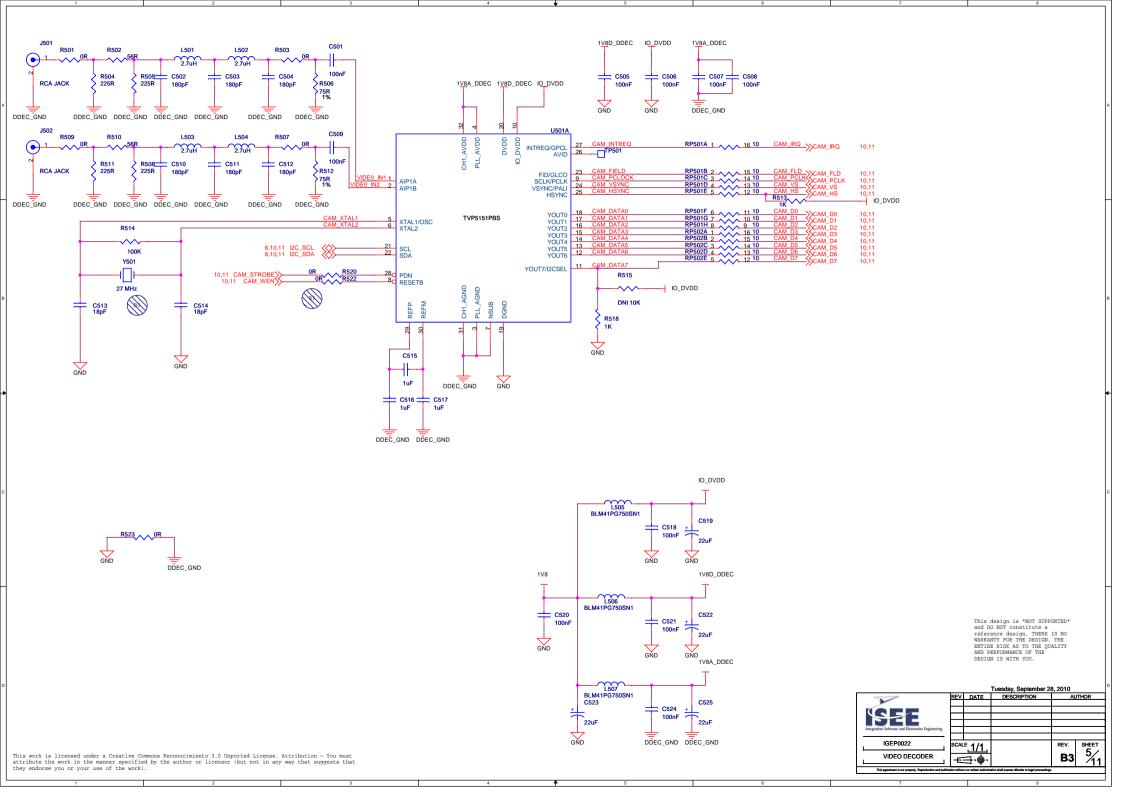


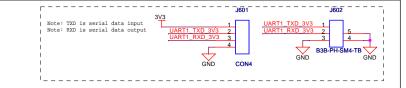
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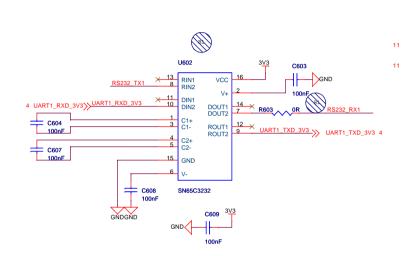


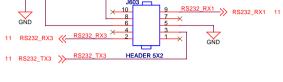




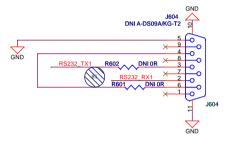


RS232 CONNECTOR

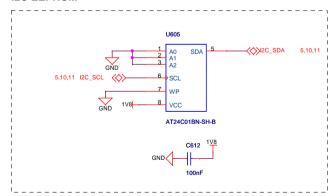




RS232 CONNECTOR



I2C EEPROM



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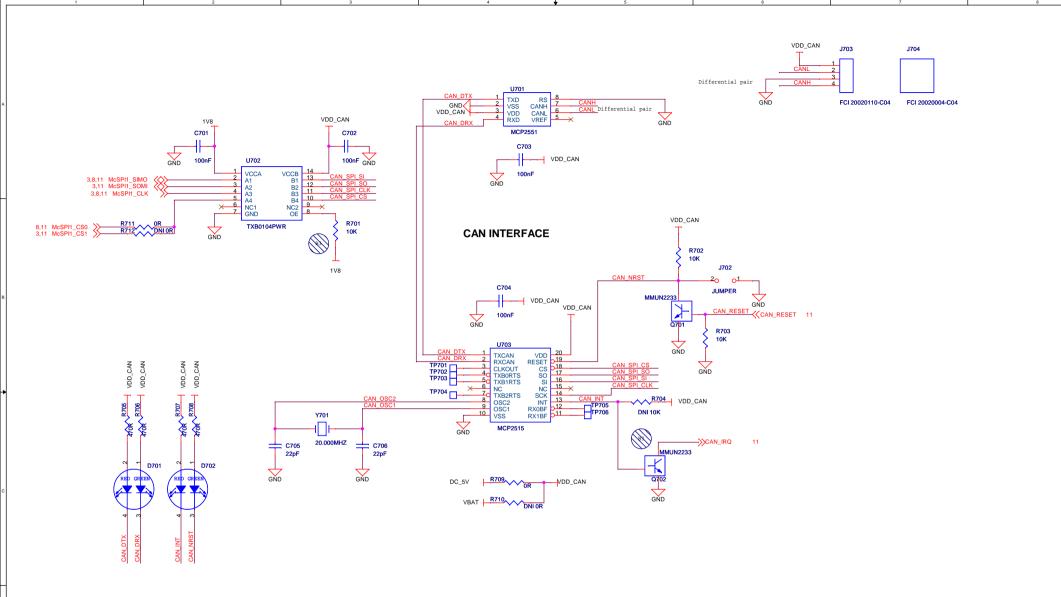
U603

VCCB

B1 B2 GND

TXS0102DCUR

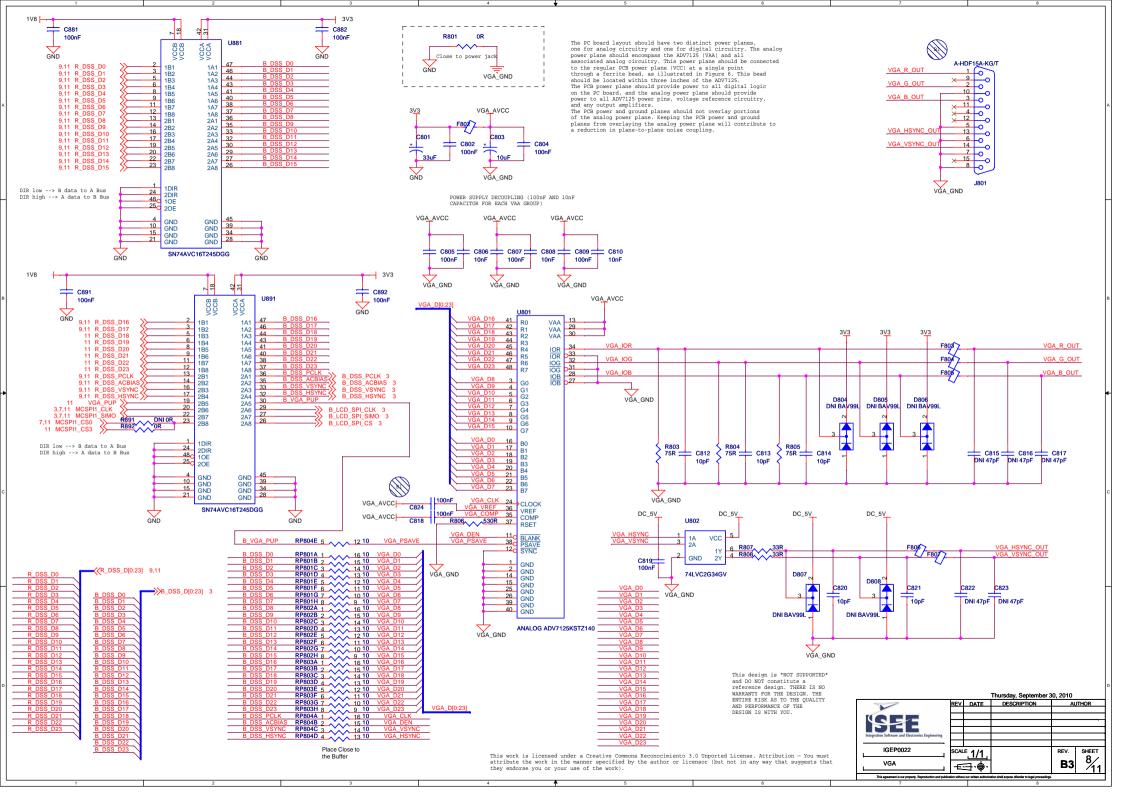
11 UART2_TXD_1V8

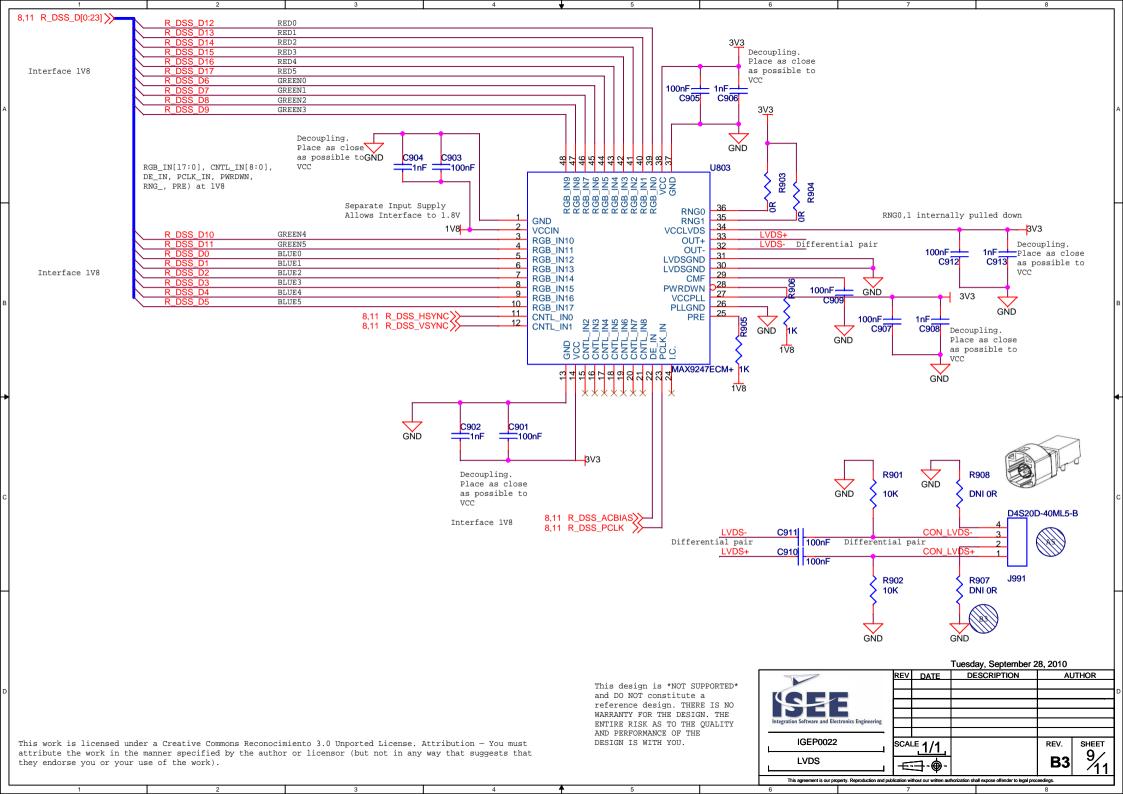


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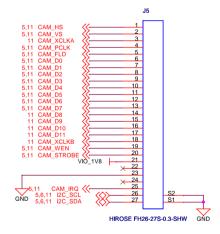
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Camera connector. 27-pin connector J5 Camera interface



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Tuesday, September 28, 2010

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