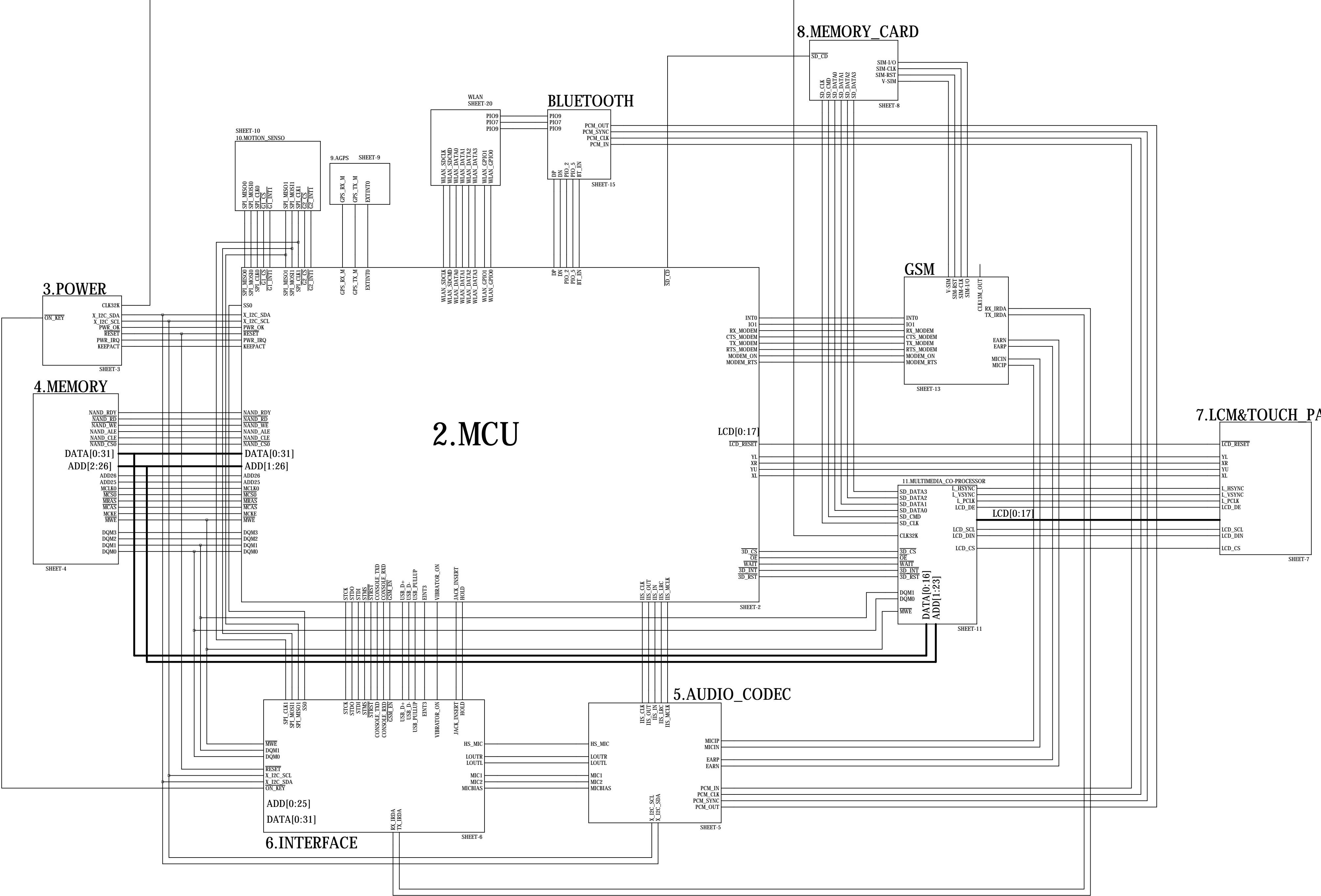
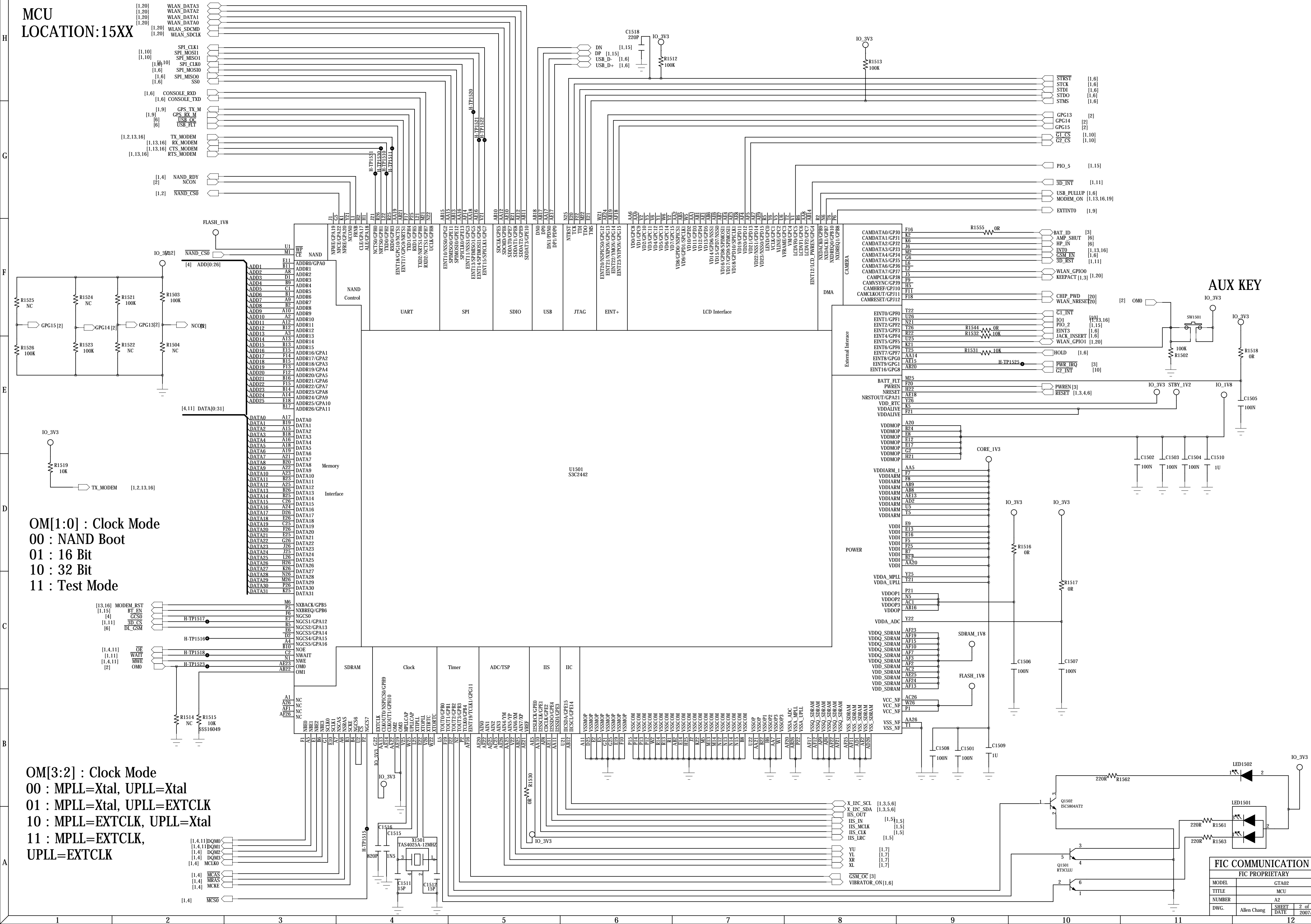


STRUCTURE



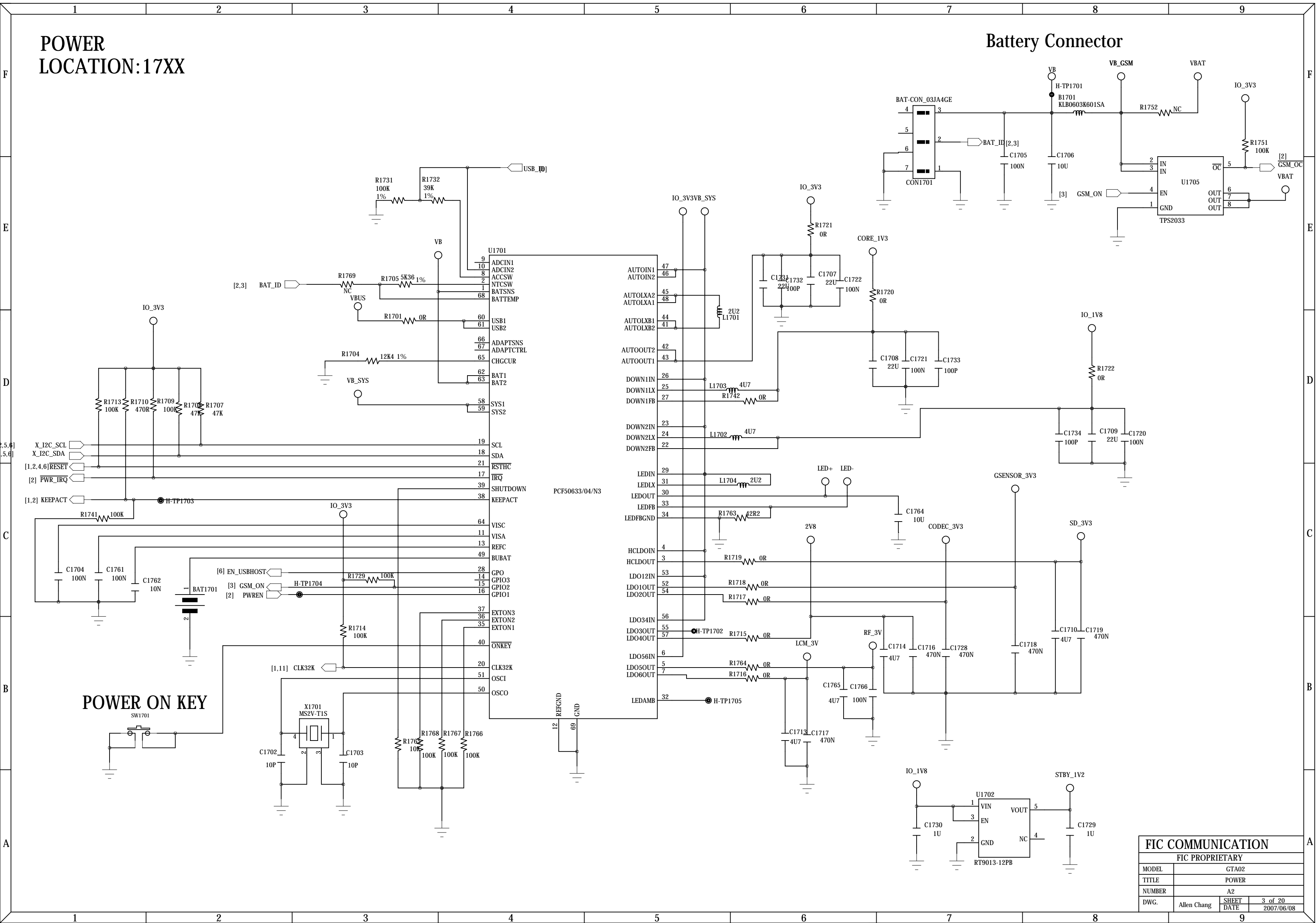
FIC COMMUNICATION			
FIC PROPRIETARY			
MODEL	GTA02		
TITLE	STRUCTURE		
NUMBER	A2	SHEET	1 of 200
DWG.	Allen Chang	DATE	

MCU  
LOCATION:15XX

<b>FIC COMMUNICATION</b>			
<b>FIC PROPRIETARY</b>			
<b>MODEL</b>	GTA02		
<b>TITLE</b>	MCU		
<b>NUMBER</b>	A2		
<b>DWG.</b>	Allen Chang	<b>SHEET</b>	2 of
		<b>DATE</b>	2007

POWER  
LOCATION:17XX

Battery Connector



FIC COMMUNICATION

FIC PROPRIETARY			
MODEL	GTA02		
TITLE	POWER		
NUMBER	A2		
DWG.	Allen Chang	SHEET	3 of 20
		DATE	2007/06/08

SDRAM  
LOCATION:22XX

The diagram illustrates the SDRAM location 22XX, featuring a K4M51323PC chip (U2201) and its connections to various components.

**Chip Connections:**

- Address (ADD[0:26]):** ADD2 (G8) to ADD14 (H3).
- Data (DATA[0:31]):** DQ0 (N7) to DQ31 (E2).
- Control:** J1 (CLK), J7 (BA0), J8 (CS), J9 (RAS), J10 (CAS), J11 (WE), J12 (CKE).
- Power:** VDD (L7, L8, L9, L10, L11, L12, L13, L14, L15, L16, L17, L18, L19, L20, L21, L22, L23, L24, L25, L26, L27, L28, L29, L30, L31, L32, L33, L34, L35, L36, L37, L38, L39, L40, L41, L42, L43, L44, L45, L46, L47, L48, L49, L50, L51, L52, L53, L54, L55, L56, L57, L58, L59, L60, L61, L62, L63, L64, L65, L66, L67, L68, L69, L70, L71, L72, L73, L74, L75, L76, L77, L78, L79, L80, L81, L82, L83, L84, L85, L86, L87, L88, L89, L90, L91, L92, L93, L94, L95, L96, L97, L98, L99, L100, L101, L102, L103, L104, L105, L106, L107, L108, L109, L110, L111, L112, L113, L114, L115, L116, L117, L118, L119, L120, L121, L122, L123, L124, L125, L126, L127, L128, L129, L130, L131, L132, L133, L134, L135, L136, L137, L138, L139, L140, L141, L142, L143, L144, L145, L146, L147, L148, L149, L150, L151, L152, L153, L154, L155, L156, L157, L158, L159, L160, L161, L162, L163, L164, L165, L166, L167, L168, L169, L170, L171, L172, L173, L174, L175, L176, L177, L178, L179, L180, L181, L182, L183, L184, L185, L186, L187, L188, L189, L190, L191, L192, L193, L194, L195, L196, L197, L198, L199, L200, L201, L202, L203, L204, L205, L206, L207, L208, L209, L210, L211, L212, L213, L214, L215, L216, L217, L218, L219, L220, L221, L222, L223, L224, L225, L226, L227, L228, L229, L230, L231, L232, L233, L234, L235, L236, L237, L238, L239, L240, L241, L242, L243, L244, L245, L246, L247, L248, L249, L250, L251, L252, L253, L254, L255, L256, L257, L258, L259, L260, L261, L262, L263, L264, L265, L266, L267, L268, L269, L270, L271, L272, L273, L274, L275, L276, L277, L278, L279, L280, L281, L282, L283, L284, L285, L286, L287, L288, L289, L290, L291, L292, L293, L294, L295, L296, L297, L298, L299, L300, L301, L302, L303, L304, L305, L306, L307, L308, L309, L310, L311, L312, L313, L314, L315, L316, L317, L318, L319, L320, L321, L322, L323, L324, L325, L326, L327, L328, L329, L330, L331, L332, L333, L334, L335, L336, L337, L338, L339, L340, L341, L342, L343, L344, L345, L346, L347, L348, L349, L350, L351, L352, L353, L354, L355, L356, L357, L358, L359, L360, L361, L362, L363, L364, L365, L366, L367, L368, L369, L370, L371, L372, L373, L374, L375, L376, L377, L378, L379, L380, L381, L382, L383, L384, L385, L386, L387, L388, L389, L390, L391, L392, L393, L394, L395, L396, L397, L398, L399, L400, L401, L402, L403, L404, L405, L406, L407, L408, L409, L410, L411, L412, L413, L414, L415, L416, L417, L418, L419, L420, L421, L422, L423, L424, L425, L426, L427, L428, L429, L430, L431, L432, L433, L434, L435, L436, L437, L438, L439, L440, L441, L442, L443, L444, L445, L446, L447, L448, L449, L450, L451, L452, L453, L454, L455, L456, L457, L458, L459, L460, L461, L462, L463, L464, L465, L466, L467, L468, L469, L470, L471, L472, L473, L474, L475, L476, L477, L478, L479, L480, L481, L482, L483, L484, L485, L486, L487, L488, L489, L490, L491, L492, L493, L494, L495, L496, L497, L498, L499, L500, L501, L502, L503, L504, L505, L506, L507, L508, L509, L510, L511, L512, L513, L514, L515, L516, L517, L518, L519, L520, L521, L522, L523, L524, L525, L526, L527, L528, L529, L530, L531, L532, L533, L534, L535, L536, L537, L538, L539, L540, L541, L542, L543, L544, L545, L546, L547, L548, L549, L550, L551, L552, L553, L554, L555, L556, L557, L558, L559, L560, L561, L562, L563, L564, L565, L566, L567, L568, L569, L570, L571, L572, L573, L574, L575, L576, L577, L578, L579, L580, L581, L582, L583, L584, L585, L586, L587, L588, L589, L590, L591, L592, L593, L594, L595, L596, L597, L598, L599, L600, L601, L602, L603, L604, L605, L606, L607, L608, L609, L610, L611, L612, L613, L614, L615, L616, L617, L618, L619, L620, L621, L622, L623, L624, L625, L626, L627, L628, L629, L630, L631, L632, L633, L634, L635, L636, L637, L638, L639, L640, L641, L642, L643, L644, L645, L646, L647, L648, L649, L650, L651, L652, L653, L654, L655, L656, L657, L658, L659, L660, L661, L662, L663, L664, L665, L666, L667, L668, L669, L670, L671, L672, L673, L674, L675, L676, L677, L678, L679, L680, L681, L682, L683, L684, L685, L686, L687, L688, L689, L690, L691, L692, L693, L694, L695, L696, L697, L698, L699, L700, L701, L702, L703, L704, L705, L706, L707, L708, L709, L710, L711, L712, L713, L714, L715, L716, L717, L718, L719, L720, L721, L722, L723, L724, L725, L726, L727, L728, L729, L730, L731, L732, L733, L734, L735, L736, L737, L738, L739, L740, L741, L742, L743, L744, L745, L746, L747, L748, L749, L750, L751, L752, L753, L754, L755, L756, L757, L758, L759, L760, L761, L762, L763, L764, L765, L766, L767, L768, L769, L770, L771, L772, L773, L774, L775, L776, L777, L778, L779, L780, L781, L782, L783, L784, L785, L786, L787, L788, L789, L790, L791, L792, L793, L794,

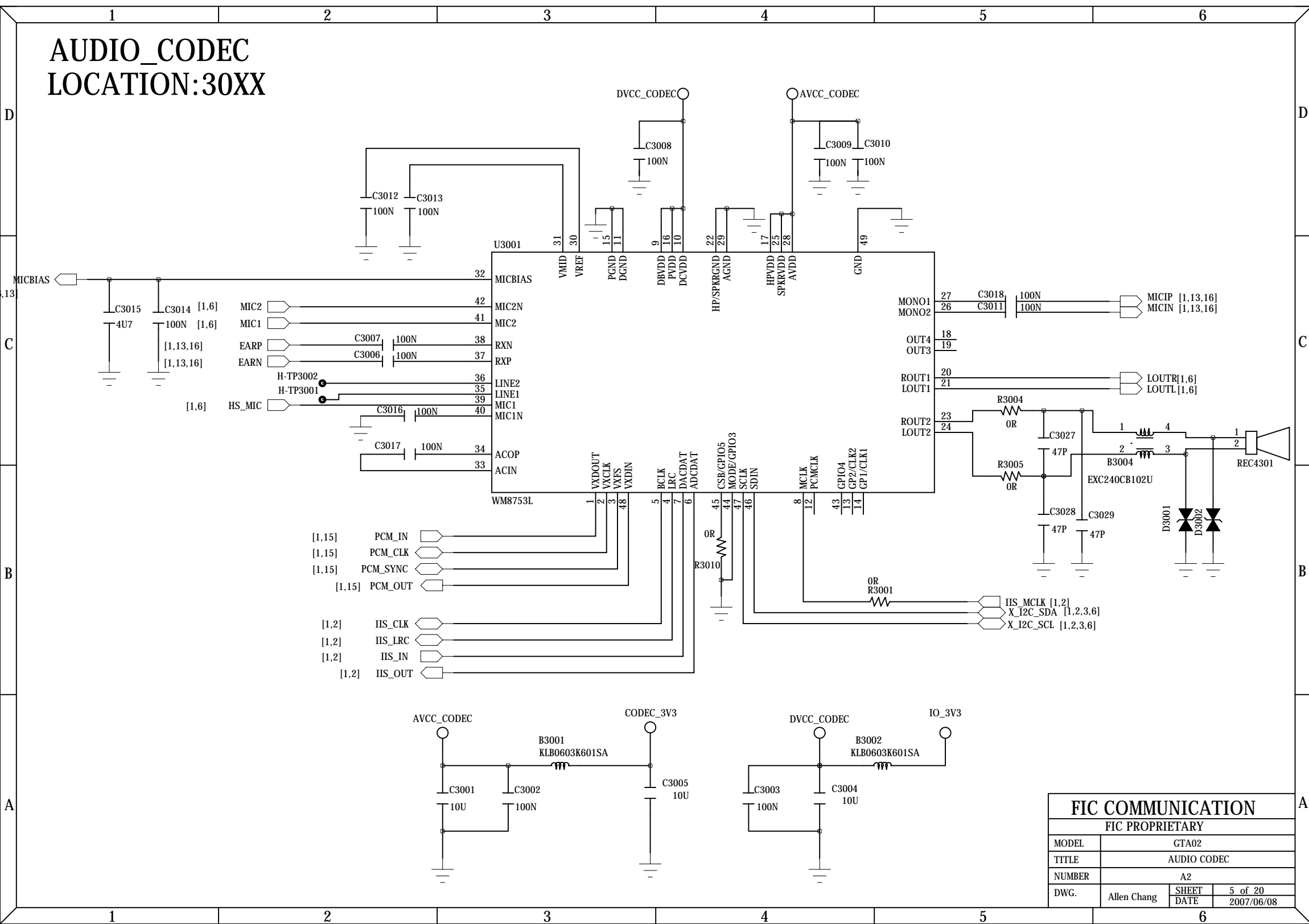
NOR FLASH  
LOCATION:25XX

The diagram illustrates the electrical connections for a NOR Flash memory (U2501 M58WR016KB). The memory is connected to the microcontroller's address bus (ADD[0:26]) and data bus (DATA[0:31]). The control signals are connected to the microcontroller's control bus. The power supply connections are shown, including the 1V8 supply for the flash memory (FLASH\_1V8) and the I/O supply (IO\_1V8). The circuit includes several resistors (R2502, R2503, R2504, R2505, R2506) and capacitors (C2501, C2502) for timing and signal integrity.

FIC COMMUNICATION			
FIC PROPRIETARY			
MODEL	GTA02		
TITLE	MEMORY		
NUMBER	A2		
DWG.	Allen Chang	SHEET	4 of 200

[illegible]

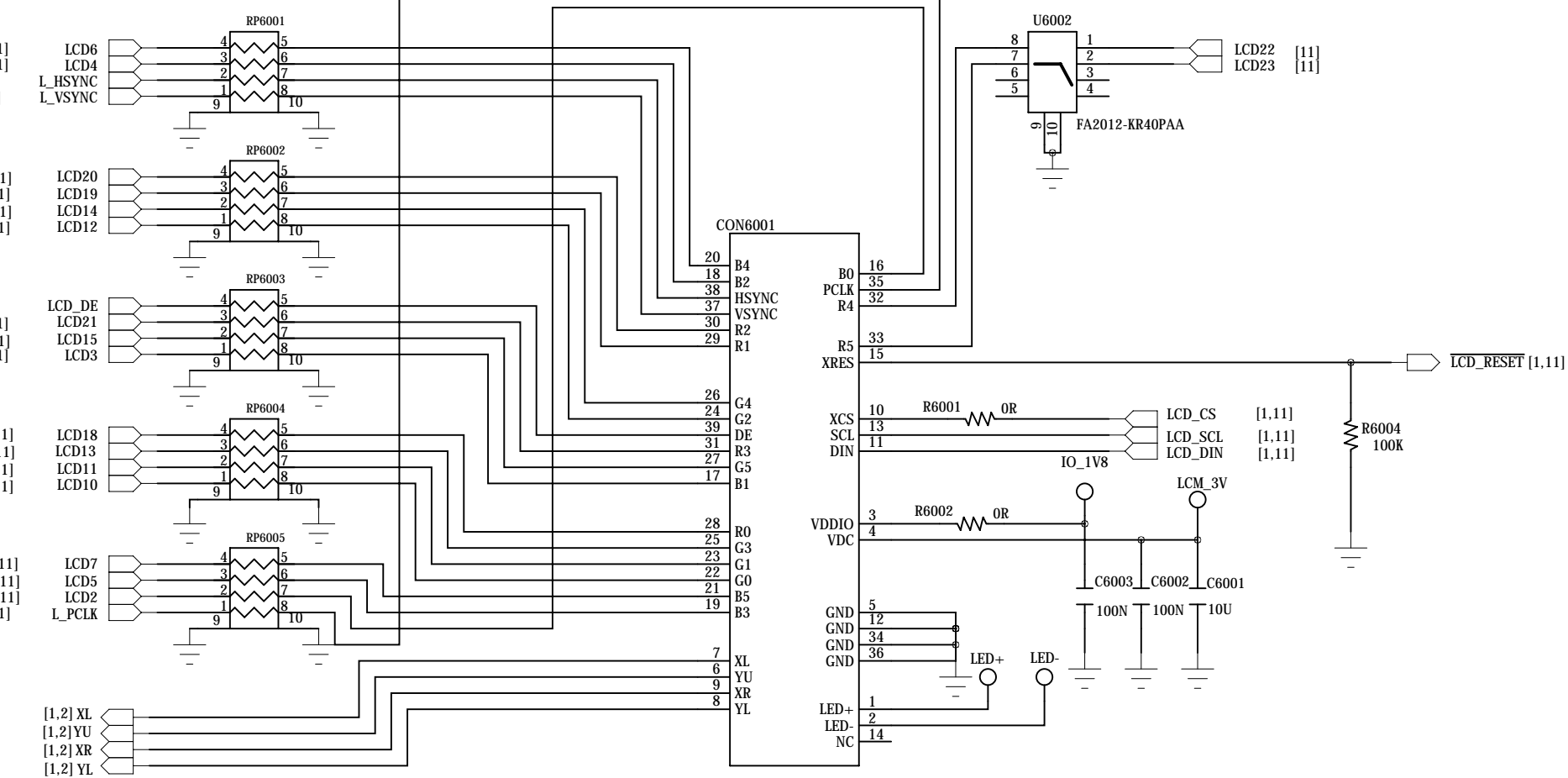
AUDIO\_CODEC  
LOCATION:30XX



FIC COMMUNICATION			
FIC PROPRIETARY			
MODEL	GTA02		
TITLE	AUDIO CODEC		
NUMBER	A2		
DWG.	Allen Chang	SHEET	5 of 20
		DATE	2007/06/08

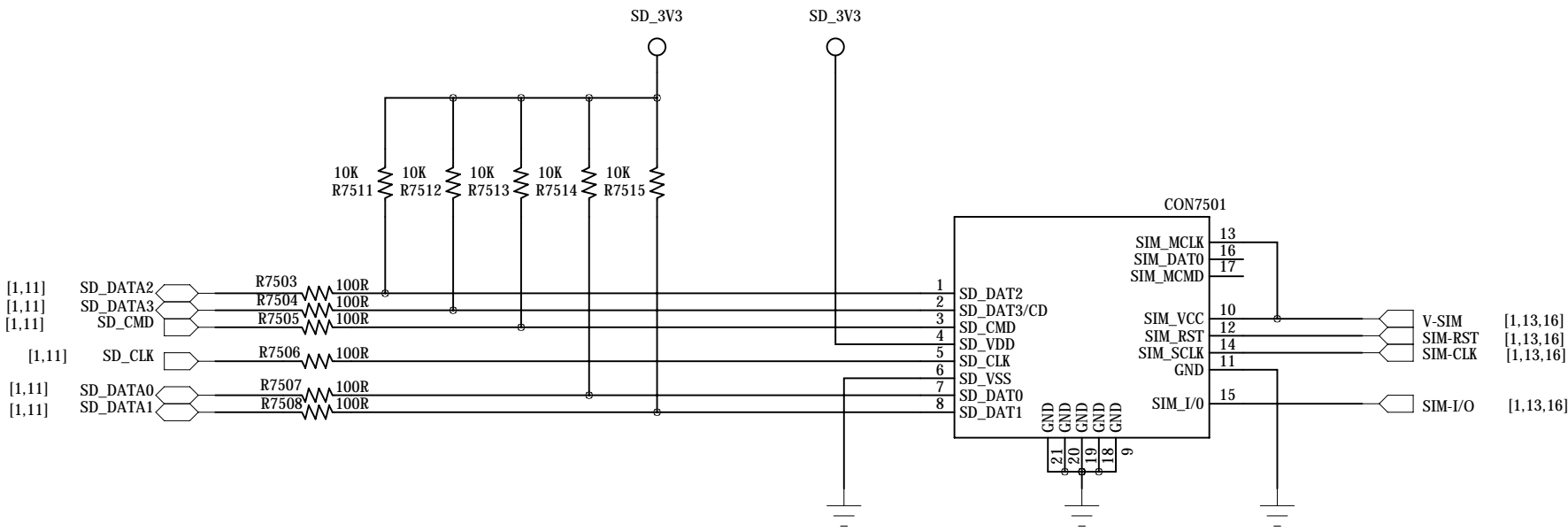


LCM\_TOUCH\_PANEL  
LOCATION:6XXX



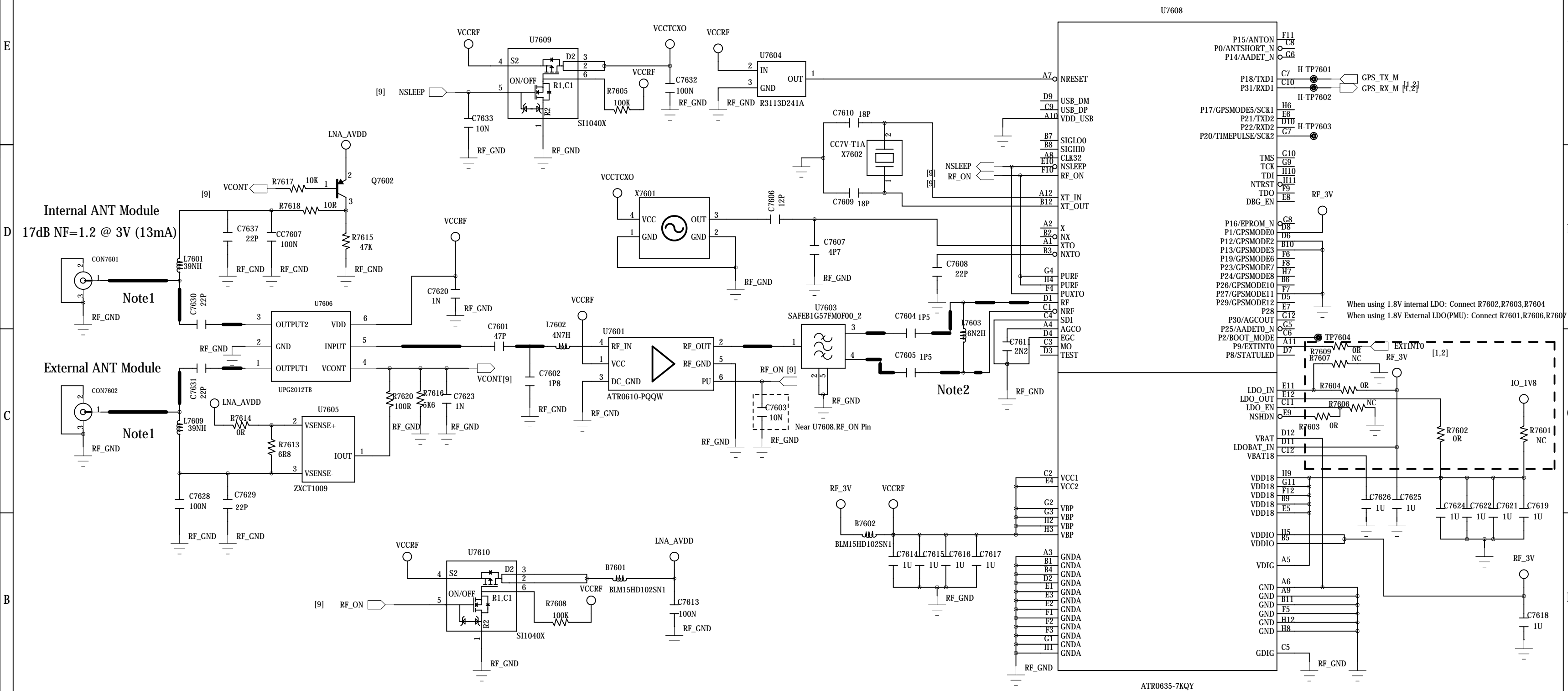
FIC COMMUNICATION			
FIC PROPRIETARY			
MODEL	GTA02		
TITLE	LCM & TOUCH PANEL		
NUMBER	A2		
DWG.	Allen Chang	SHEET DATE	7 of 20 2007/06/08

MEMORY\_CARD  
LOCATION:75XX



FIC COMMUNICATION			
FIC PROPRIETARY			
MODEL	GTA02		
TITLE	MEMORY CARD		
NUMBER	A2		
DWG.	Allen Chang	SHEET DATE	8 of 20 2007/06/08



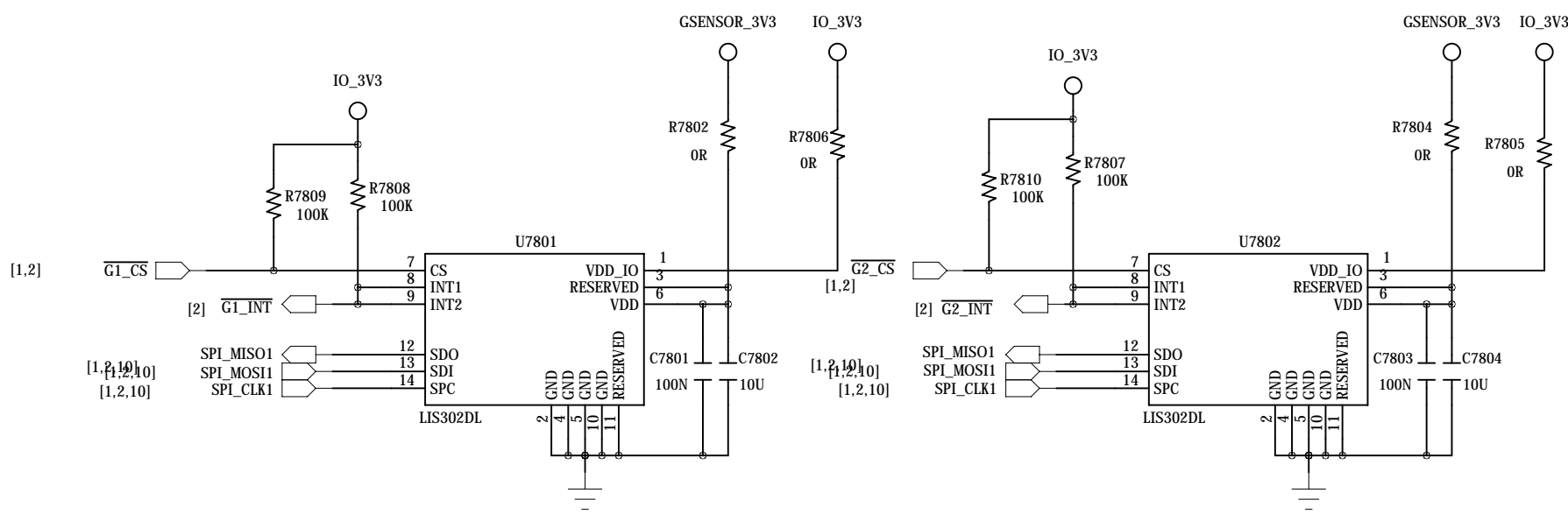
ublox\_ANTARIS 4\_ATR0635&ATR0610  
LOCATION:76XX

Note1: These traces are RF transmission line and the characteristic impedance is 50 ohm.

Note2: Differential RF traces and the balanced impedance is 100 ohm

<b>FIC COMMUNICATION</b>			
<b>FIC PROPRIETARY</b>			
<b>MODEL</b>	GTA02		
<b>TITLE</b>	ACPS		
<b>NUMBER</b>	A1		
<b>DWG.</b>	Shawn Lin	<b>SHEET</b>	9 of 20
		<b>DATE</b>	2007/06/20

MOTION\_SENSOR  
LOCATION:78XX

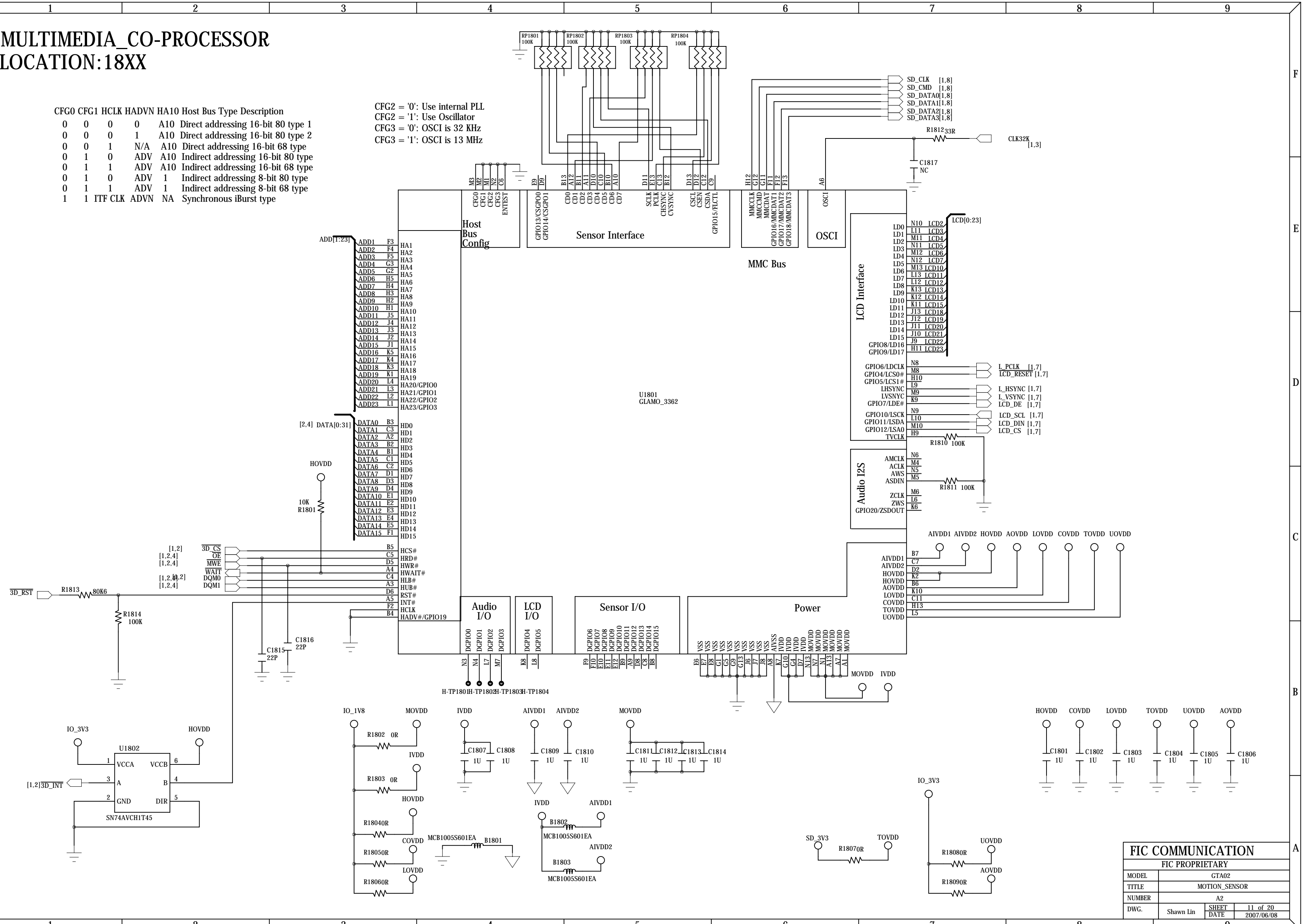


FIC COMMUNICATION			
FIC PROPRIETARY			
MODEL	GTA02		
TITLE	MOTION_SENSOR		
NUMBER	A2		
DWG.	Allen Chang	SHEET DATE	10 of 20 2007/06/08

MULTIMEDIA\_CO-PROCESSOR  
LOCATION:18XX

CFG0	CFG1	HCLK	HADV	HA10	Host Bus Type	Description
0	0	0	0	A10	Direct addressing 16-bit 80 type 1	
0	0	0	1	A10	Direct addressing 16-bit 80 type 2	
0	0	1	N/A	A10	Direct addressing 16-bit 68 type	
0	1	0	ADV	A10	Indirect addressing 16-bit 80 type	
0	1	1	ADV	A10	Indirect addressing 16-bit 68 type	
0	1	0	ADV	1	Indirect addressing 8-bit 80 type	
0	1	1	ADV	1	Indirect addressing 8-bit 68 type	
1	1	ITF CLK	ADV	NA	Synchronous iBurst type	

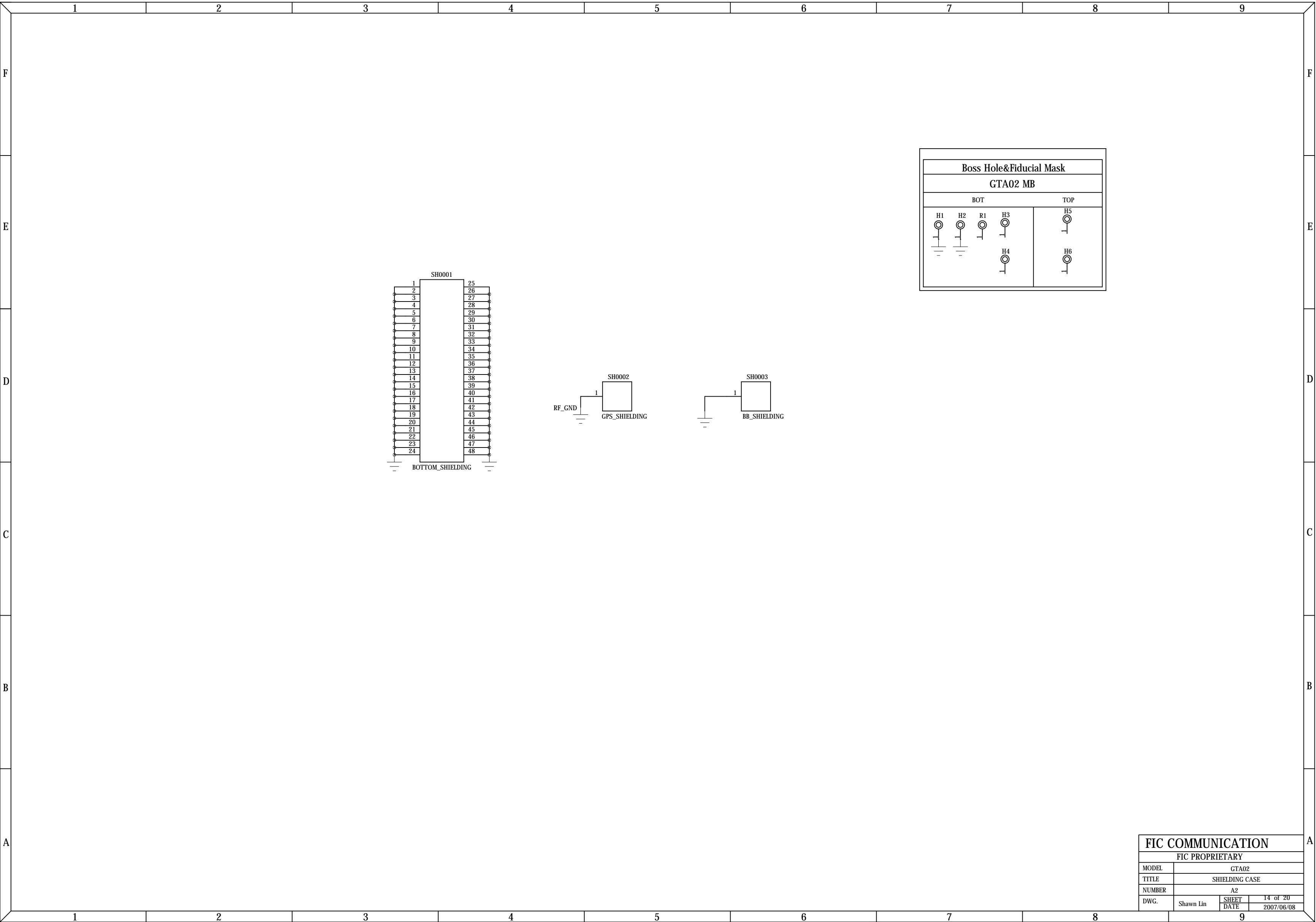
CFG2 = '0': Use internal PLL  
CFG2 = '1': Use Oscillator  
CFG3 = '0': OSCI is 32 KHz  
CFG3 = '1': OSCI is 13 MHz



FIC COMMUNICATION			
FIC PROPRIETARY			
MODEL	GTA02		
TITLE	MOTION_SENSOR		
NUMBER	A2		
DWG.	Shawn Lin	SHEET	11 of 20
		DATE	2007/06/08

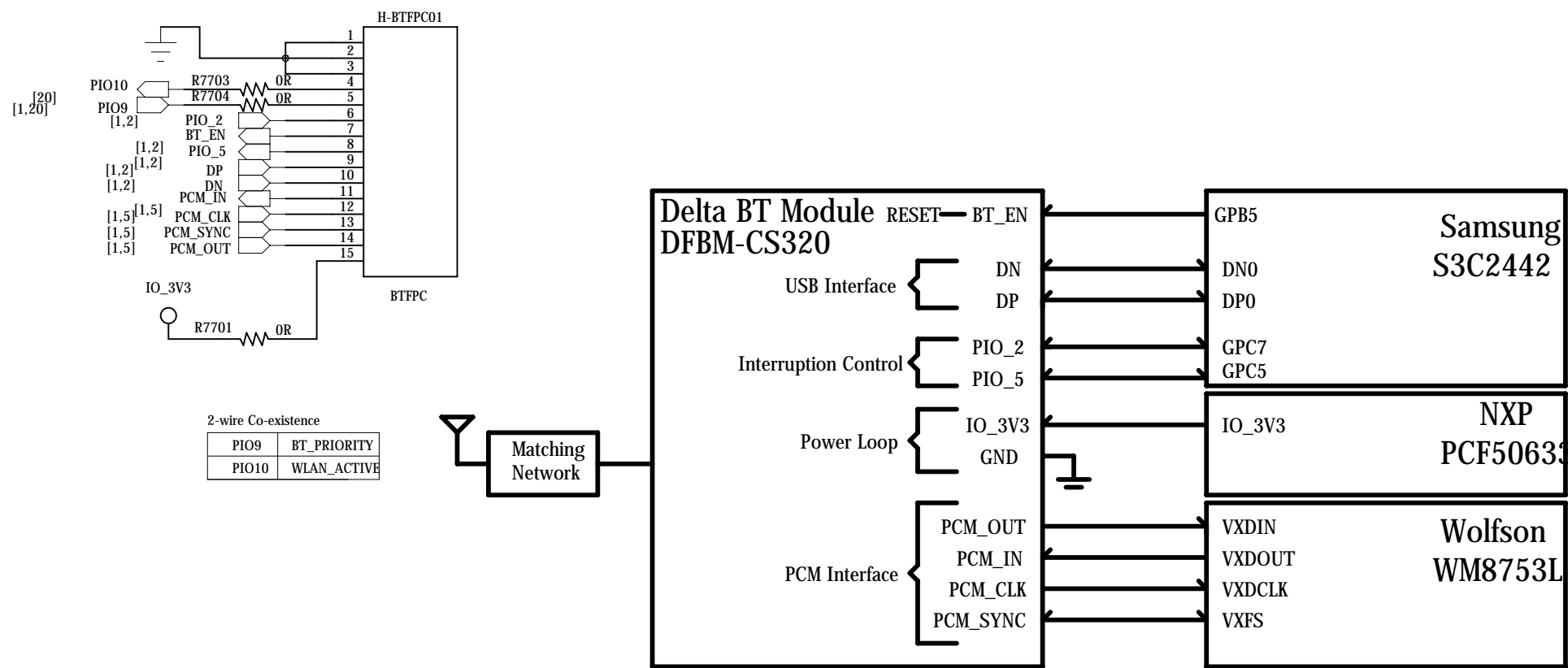






FIC COMMUNICATION			
FIC PROPRIETARY			
MODEL	GTA02		
TITLE	SHIELDING CASE		
NUMBER	A2		
DWG.	Shawn Lin	SHEET	14 of 20
		DATE	2007/06/08

Bluetooth  
LOCATION:77XX



FIC COMMUNICATION			
FIC PROPRIETARY			
MODEL	GTA02		
TITLE	Bluetooth		
NUMBER	A2		
DWG.	Shawn Lin	SHEET DATE	15 of 20 2007/06/08

[illegible]

BASEBAND\_CHIP  
LOCATION:1XXX

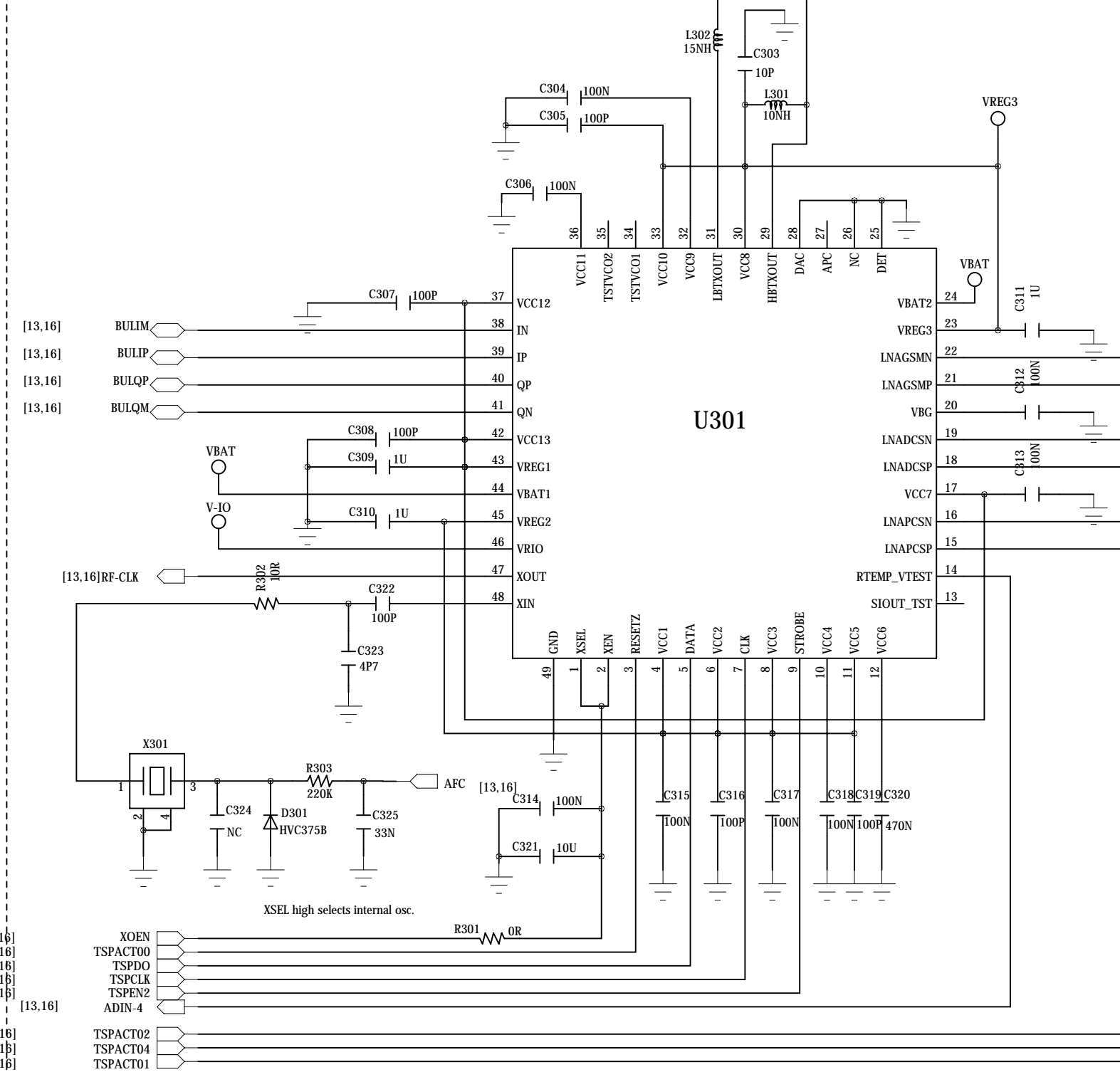


RF  
LOCATION:0XXX

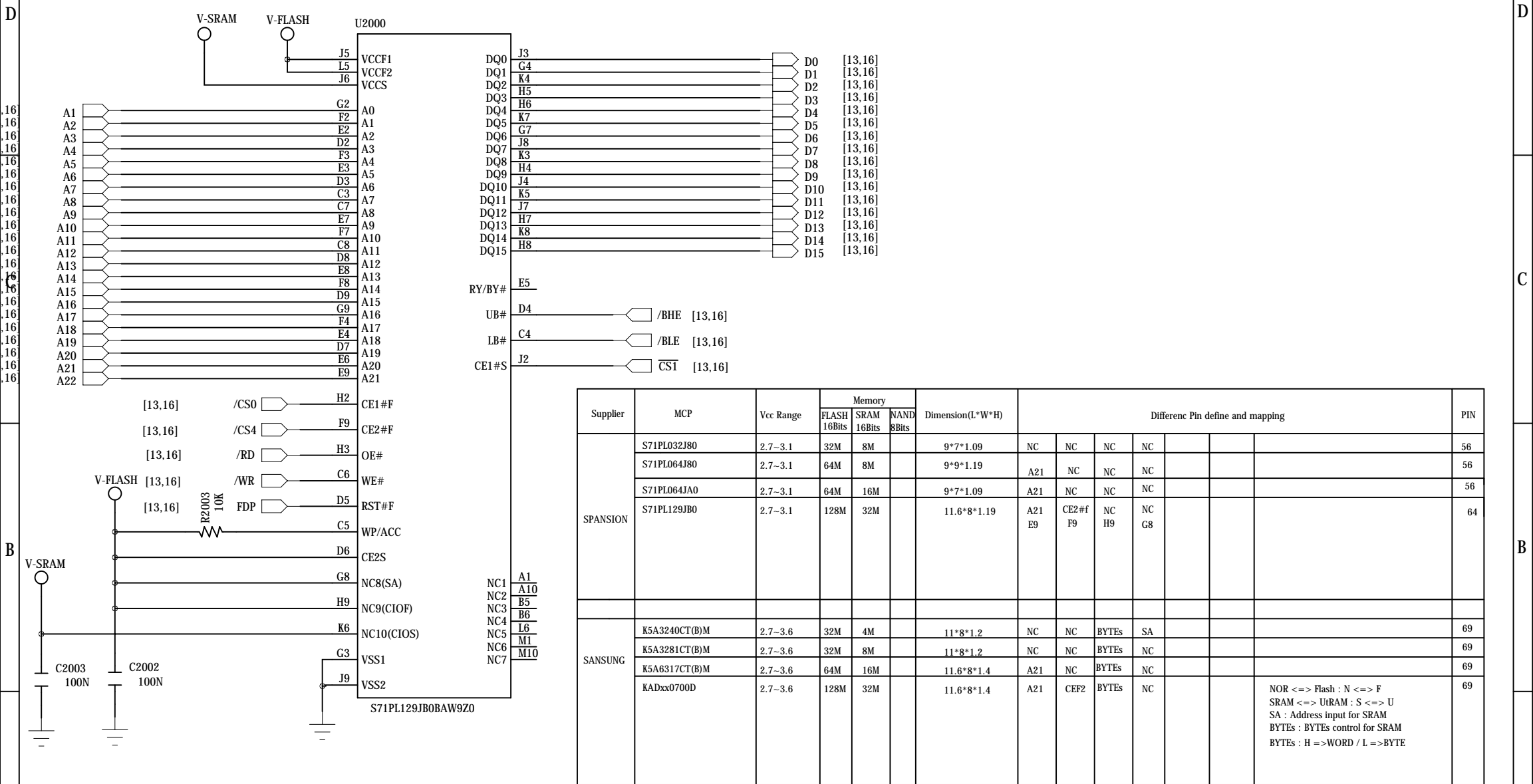
LOCATION:03XX

L8	1.40		12.5	
L7	1.375(0.50z)	PP 1078		2.51
L6	1.277(10z)	PP 1080		3.31
L5	1.242(10z)	FR4 Core	5.5	4.00
L4	1.254(10z)	PP 7628		8.33
L3	1.273(10z)	FR4 Core		4.00
L2	1.525(0.50z)	PP 1080		3.31
L1	1.40	PP 1078		2.51

Unit:mils  
Er=4.2



MEMORY  
LOCATION:2XXX



\* The component package is SPANSION type (S71PL129JB0)

FIC COMMUNICATION			
FIC PROPRIETARY			
MODEL	GTA02		
TITLE	MEMORY		
NUMBER	A2		
DWG.	Shawn Lin	SHEET DATE	18 of 20 2007/06/08



FIC COMMUNICATION			
FIC PROPRIETARY			
MODEL	GTA02		
TITLE	MODEM INTERFACE		
NUMBER	A2		
DWG.	Shawn Lin	SHEET DATE	19_of_2007

WLAN  
LOCATION:79XX

