REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

+5V
R2 100
LED1 LED2 LED3 LED4
MMBT2222A Q3
R8 4.7K
R9 47K

+5V
R12 100
LED5 LED6 LED7 LED8
MMBT2222A Q1
R11 4.7K
R10 47K

+5V
R13 100
LED9 LED10 LED11 LED12
MMBT2222A Q5
R14 4.7K
R15 47K

+5V
R16 100
LED13 LED14 LED15 LED16
MMBT2222A Q6
R17 4.7K
R18 47K

+5V
R1 330
POWER

+5V
R3 330
LED17
Q2 MMBT92L

SCAN0 PPB0
1 SW101 LED1
2 SW105 LED5
3 SW109 LED9
PRIVACY SW113
UP SW117
VIDEO SW121 LED14

SCAN1 PPB1
4 SW102 LED2
5 SW106 LED6
6 SW110 LED10
MUTE SW114
LEFT SW118
DISPLAY SW122 LED15

SCAN2 PPB2
7 SW103 LED3
8 SW107 LED7
9 SW111 LED11
+5V ENTER SW115 LED13
DOWN SW119
+5V ON HOOK SW123 LED16

SCAN3 PPB3
* SW104 LED4
0 SW108 LED8
SW112 LED12
RIGHT SW120

R4 10K
R5 100K
R7 10K
R6 100K

PPA0 PPA1 PPA2 PPA4 PPA5 PPA6

+5V

CN1

KEY1	1	PPA0	
KEY2	2	PPA1	
KEY3	3	PPA2	
ON HOOK	4	ON-HOOK	
	5	PPA4	
	6	PPA5	
	7	PPA6	
KEY6	8	PPB0	SCAN0
SCAN0	9	PPB1	SCAN1
SCAN1	10	PPB2	SCAN2
SCAN2	11	PPB3	SCAN3
SCAN3	12	LCD	
LCD	13	VCC	
VCC	14	KEYLED	
KEY LED	15	GND	
GND	16	MENU	
MENU			

CN2
8 7 6 5 4 3 2 1
R4 R3 R2 R1 C1 C2 C3 C4

COMPANY:	GAGA TELECOM Inc.		
TITLE:	GVP-4000_keypad		
DRAWN:	DATED:	CODE:	SIZE: DRAWING NO: REV:
CHECKED:	DATED:		
QUALITY CONTROL:	DATED:		
RELEASED:	DATED: 2000. 08. 25	SCALE:	SHEET: OF