

PCB VERSION

Rev.	Date/Name	Scale	Description
001	070221	1/5	BASEBAND_Navi
002	070221	1/5	BASEBAND_Navi
003	070221	1/5	BASEBAND_Navi
004	070221	1/5	BASEBAND_Navi
005	070221	1/5	BASEBAND_Navi
006	070221	1/5	BASEBAND_Navi
007	070221	1/5	BASEBAND_Navi
008	070221	1/5	BASEBAND_Navi
009	070221	1/5	BASEBAND_Navi
010	070221	1/5	BASEBAND_Navi



# KEY

[1] KROW1:5]

[1,5] KCOL1:3]

[1,2] KROW5  
[1,3,5] KROW4  
[1,3,5] KROW3  
[1,3,5] KROW2

[1,3,5] KCOL3  
[1,3,5] KCOL2  
[1,3,5] KCOL1

R4  
R5  
R6  
R7  
R8  
R9

# FM RECEIVER


The schematic diagram illustrates the FM receiver circuit. Key components and connections include:

- IC:** M16188
- Power Supply:** VCC\_F, AVDD, VCC\_FM
- Capacitors:** C91 (0.1uF), C87 (150pF), C83 (0.0033uF), C85 (100pF)
- Inductors:** L84 (2.7nH), L82 (1.8nH)
- Resistors:** R80 (150k), R81 (150k)
- Connectors:** FM\_SCL (1), FM\_SDA (1), FM\_X1 (1)
- Other Labels:** 0>25, 1,43 E J\_OUT\_L

# FLASH LED FPCB

IRDA

Diagram illustrating the IRDA module circuit using the U60 HSDL-3208 IC. The IC is connected to VDDO and GND. The TXD and RXD pins are connected to the RXD\_IRDA and TXD\_IRDA pins, respectively. The LED pin is connected to VDDO through a 200Ω resistor. The circuit also includes a 5V regulator (U5) and a 200Ω resistor (R2) connected to the LED pin. A note indicates that the TXD and RXD pins are close to each other.

ECR No.	Rev.	Date/Name	Ezze Mobile Tech	Scale:	Description:		
					TRANSCEIVER		
			SDP100		Steps	Sheet	Remarks
					MP	3/5	
					Ver	Date	Item
						070221	

[illegible]

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					TRANSCIVER
			SDP100	Stage MP	Sheet 4 / 5
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					Remark Item

**MAIN/LCD CON**

Audio Line Width is 0.2mm MIN

CON20

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

(1,5) RCV+  
(1,5) RCV-  
NLD[00:17] [1]  
NLD00  
NLD01  
NLD02  
NLD03  
NLD04  
NLD05  
NLD06  
NLD07  
NLD08  
NLD09  
NLD10  
NLD11  
NLD12  
NLD13  
NLD14  
NLD15  
NLD16  
NLD17  
(1,5) HALL\_SW\_PDN  
(1,5) CRD  
(1,5) CPCE0  
(1,5) CRST  
(1,5) LPA0  
(1,5) LWR  
(1,5) HALL\_SW2

60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31

VDD  
VBAT  
KROW0  
KROW1  
KROW2  
KROW3  
KROW4  
KCOL[0:3] [1,5]  
KC0L0  
KC0L1  
KC0L2  
KC0L3  
Y~(1,5)  
X~(1,5)  
Y+(1,5)  
X+(1,5)  
C3 C6 C7  
DN DN DN DN  
BLU\_EN2[1,5]  
BLU\_EN [1,5]  
IND\_LED [1,5]  
VIBRATOR [1,5]  
HALL\_SW1[1,5]  
GB042-E0S-H10  
60PIN CON(SOCKET,1T)

PCB BOTTOM VIEW

1.Recommend trace width :  
 A. Audio(SPK\_RCV) : 0.2  
 (Audio line must protected by GND on upper,lower,left,right side)  
 B. VBAT : 0.4  
 C. DVD & BLU LED line : 0.3  
 D. Data & Control : 0.13  
 E. Vibrator : 0.25  
 (Unit : mm)

GB042-60P-H10

60 31  
Header  
1 30  
MAIN BOARD

View from connector

LCD PART

1 30  
Header  
60 31

GB042-60P-H10

Pin 1 to 45 connection diagram. The diagram shows connections for power (VDDO, VCC, VGH, VDD), ground (GND), and various control and data pins. Key components include a pull-up resistor on B1, a 10k resistor on J1, and two 100nF/25V/6008 capacitors. Pins 1-45 are numbered on the right, and their functions are listed on the left.


Pin	Signal
1	GND
2	V+
3	X-
4	V-
5	X+
6	GND
7	VCC
8	VCI
9	DQVDBH
10	/CS
11	ES
12	/WR
13	/RD
14	GND
15	DB0
16	DB1
17	DB2
18	DB3
19	DB4
20	DB5
21	DB6
22	DB7
23	DB8
24	DB9
25	DB10
26	DB11
27	DB12
28	DB13
29	DB14
30	DB15
31	DB16
32	DB17
33	GND
34	/RESET
35	VGH
36	VCI
37	GND
38	VCC
39	GND
40	K4
41	K3
42	K2
43	K1
44	A
45	GND

Left side connections:

- (1,5) Y+ → Pin 2
- (1,5) X- → Pin 3
- (1,5) Y- → Pin 4
- (1,5) X+ → Pin 5
- (1,5) LPCE0 → Pin 10
- (1,5) LPA0 → Pin 11
- (1,5) LWR → Pin 12
- (1,5) LRT → Pin 13
- (1,5) NLD00 → Pin 15
- (1,5) NLD01 → Pin 16
- (1,5) NLD02 → Pin 17
- (1,5) NLD03 → Pin 18
- (1,5) NLD04 → Pin 19
- (1,5) NLD05 → Pin 20
- (1,5) NLD06 → Pin 21
- (1,5) NLD07 → Pin 22
- (1,5) NLD08 → Pin 23
- (1,5) NLD09 → Pin 24
- (1,5) NLD10 → Pin 25
- (1,5) NLD11 → Pin 26
- (1,5) NLD12 → Pin 27
- (1,5) NLD13 → Pin 28
- (1,5) NLD14 → Pin 29
- (1,5) NLD15 → Pin 30
- (1,5) NLD16 → Pin 31
- (1,5) NLD17 → Pin 32
- (1,5) CRST → Pin 34
- (5) BLU\_K4 → Pin 40
- (5) BLU\_K3 → Pin 41
- (5) BLU\_K2 → Pin 42
- (5) BLU\_K1 → Pin 43
- (5) BLU\_A → Pin 44

Other components and labels:

- B1: Pull-up resistor
- J1: 10k resistor
- 100nF/25V/6008: Capacitors
- CON45\_PV12 (4/8312): Connector label

ECD No.	Rev.	Date/Name	Ezze Mobile Tech	Scale:	Description:
					LCD
			SDP100		<div>             Stage <u>P2</u> </div> <div>             Sheet <u>5/5</u> </div> <div>             Remark           </div>
					<div>             Title           </div> <div>             Date <u>070221</u> </div> <div>             Item           </div>