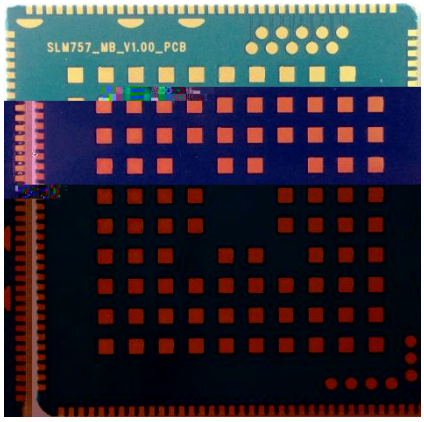
SLM757-Q _V1.00



	SLM757-Q
	V1.00
	2016 10

1.

2.

	Qualcomm MSM8917
CPU	Quad-core A53 (64bit) 1.4GHz
GPU	A308 600MHz
	8GB eMMC + 1GB LPDDR3 16GB+2GB
	Android6.0
	41.0x41.0x3.0mm 146pin+92pin LGA
SLM753-MG02 8916-5	TDD-LTE: B38/39/40/41 FDD-LTE: B1/3 TD-SCDMA: B34/39 WCDMA: B1/B5 EVDO: BC0 CDMA: BC0 GSM: B5/3/8
Wi-Fi	IEEE 802.11b/g/n 2.4G 11ac
Bluetooth	BT4.1
FM	Yes
GNSS	GPS/Beidou/Glonass/Galileo

	TD-LTE	Cat4 TD-LTE 117/30Mbps
	FDD-LTE	Cat4 FDD-LTE 150/50Mbps
	DC-HSPA+	42/11.2Mbps
	TD-HSPA	2.8/2.3Mbps
	EVDO Rev.A	3.1/1.8Mbps
	EDGE	Class12, 236.8kbps/236.8kbps
	GPRS	Class12, 85.6kbps/85.6kbps
SIM		DSDA 3.0/1.8V SIM L/W/G+G with CSFB to W/G L/TDS/G+G with CSFB to TDS/G L/EVDO/CDMA1x+CDMA1x
Display		Matrix: HD 1280*800 60fps; FULL HD: 1920*1200 45fps
		LCM Size: User defined
		Interface: MIPI DSI 4-lane
Camera		Interface: main: MIPI CSI 4-lane; front: MIPI CSI 4-lane M GS

	PIN	LTE LTE GPS 2.4G WiFi-
	Audio	1 MIC 1 MIC 1 0.8W D 1 1

3.

SLM757-QE	TDD-LTE: B38/40/41 FDD-LTE: B1/3/5/7/8/20 WCDMA: B1/B5/B8 GSM: B5/3/8
SLM757-QA	FDD-LTE B2/4/5/12/13/17 WCDMA B2/4/5/8

4.SLM757

SLM757 238pin

PIN#	SLM757 Pin name	Pad characteristics	Functional description
1	GND	GND	GND
2	VBUS	PI,PO	USB Voltage

30	GPIO29_CAM_I2C_SDA0	B

66	MIPI_DSI0_CLK_P	AO	MIPI display serial interface 0 clock+
67	MIPI_DSI0_LANE1_N	AO	MIPI display serial interface 0 lane1-
68	MIPI_DSI0_LANE1_P	AO	MIPI display serial interface 0 lane1+
69	MIPI_DSI0_LANE3_N	AO	MIPI display serial interface 0 lane3-
70	MIPI_DSI0_LANE3_P	AO	MIPI display serial interface 0 lane3+
71	MIPI_DSI0_LANE2_N	AO	MIPI display serial interface 0 lane2-
72	MIPI_DSI0_LANE2_P	AO	MIPI display serial interface 0 lane2+
73	GND	GND	GND
74	RF_WIFI/BT	AI	RF signal for WIFI/BT
75	GND	GND	GND
76	GPIO5_UART0_RX	B-PD:nppukp	Configurable I/O,UART0 RX
77	GPIO4_UART0_TX	B-PD:nppukp	Configurable I/O,UART0 TX
78	GND	GND	GND
79	GPIO65_TP_INT_N	B-PD:nppukp	Configurable I/O,TP INT
80	GPIO64_TP_RST_N	B-PD:nppukp	Configurable I/O,TP RESET
81	GPIO11_TP_I2C3_SCL	B-PD:nppukp	Configurable I/O,TP I2C SCL
82	GPIO10_TP_I2C3_SDA	B-PD:nppukp	Configurable I/O,TP I2C SDA
83	GND	GND	GND
84	RF_5G	AI	RF signal for WIFI 5G
85	GND	GND	GND
86	GPIO61_LCD_ID	B-PD:nppukp	Configurable I/O,primary LCD ID
87	GPIO60_LCD_RST_N	B-PD:nppukp	Configurable I/O,primary LCD RESET
88	GPIO24_LCD_TE0	B-PD:nppukp	Configurable I/O,primary LCD TE
89	GND	GND	GND
90	RF_MAIN	AI	RF signal for main ANT
91	GND	GND	GND
92	GPIO15_SENSOR_I2C4_SCL	B-PD:nppukp	Configurable I/O,SENSOR I2C SCL
93	GPIO14_SENSOR_I2C4_SDA	B-PD:nppukp	Configurable I/O,SENSOR I2C SDA
94	GPIO7_I2C2_SCL	B-PD:nppukp	Configurable I/O,I2C SCL or UART0 RTS
95	GPIO6_I2C2_SDA	B-PD:nppukp	Configurable I/O,I2C SDA or UART0 CTS
96	UIM2_DET	B-PD:nppukp	Configurable I/O,UIM2 removal detection
97	UIM2_RESET	B-PD:nppukp	Configurable I/O,UIM2 reset
98	UIM2_CLK	B-PD:nppukp	Configurable I/O,UIM2 clock
99	UIM2_DATA	B-PD:nppukp	Configurable I/O,UIM2 data
100	VREG_L15_UIM2	PO	PMIC output for UIM2
101	UIM1_DET	B-PD:nppukp	Configurable I/O,UIM1 removal detection

102	UIM1_RESET	B-PD:nppukp	Configurable I/O,UIM1 reset
103	UIM1_CLK	B-PD:nppukp	Configurable I/O,UIM1 clock
104	UIM1_DATA	B-PD:nppukp	Configurable I/O,UIM1 data
105	VREG_L14_UIM1	PO	PMIC output for UIM1

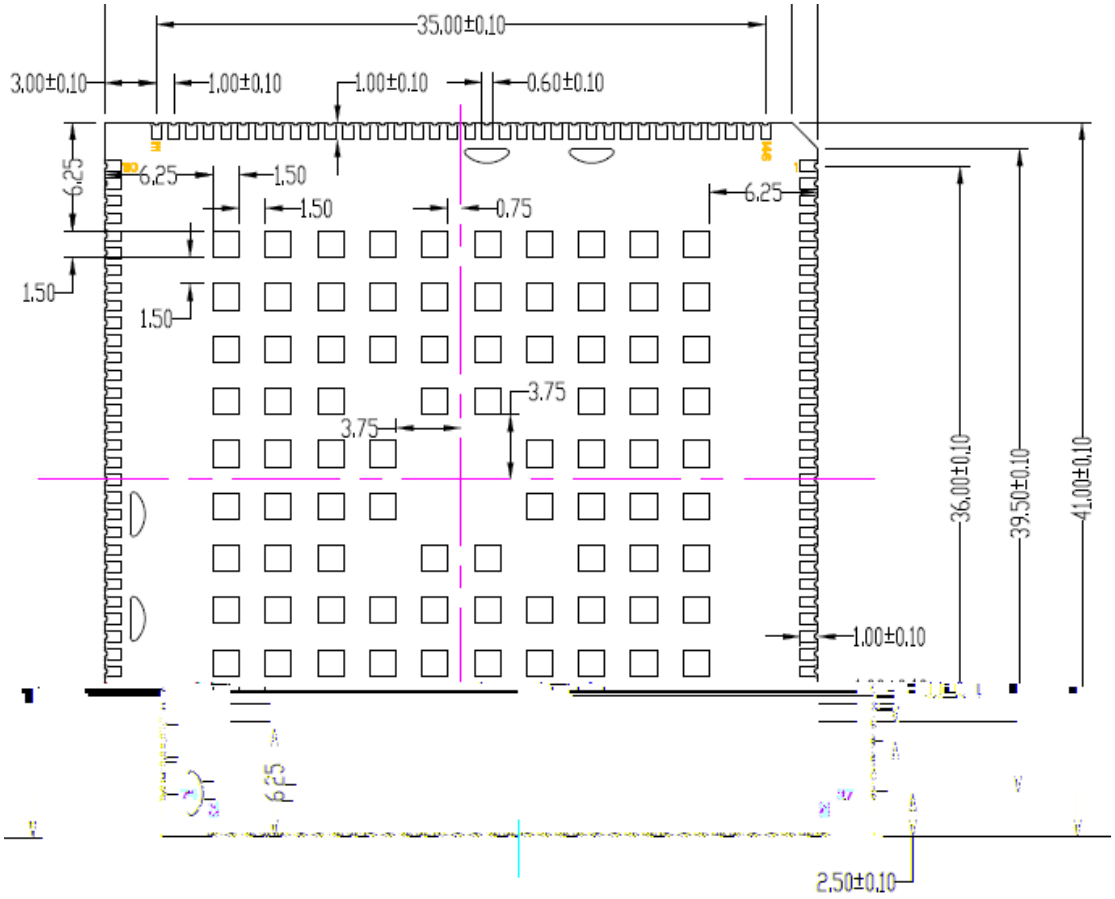
138	USB_ID	AI	USB ID
139	USB_DM	AI,AO	USB data minus
140	USB_DP	AI,AO	USB data plus
141	GND	GND	GND
142	GND	GND	GND
143	VBAT	PI,PO	Battery
144	VBAT	PI,PO	Battery
145	VBAT	PI,PO	Battery
146	GND	GND	GND
147	GND	GND	GND
148	GND	GND	GND
149	LCD_CABC		

174	GND	GND	GND
175	GND	GND	GND
176	GPIO130	B-PD:nppukp	Configurable I/O
177	GND	GND	GND
178	GND	GND	GND
179	GPIO44_MAG_RST_N	B-PD:nppukp	Configurable I/O,Magnetometer interrupt
180	GPIO94	B-PD:nppukp	Configurable I/O
181	GPIO95	B-PD:nppukp	Configurable I/O
182	GPIO123	B-PD:nppukp	Configurable I/O
183	SMB_PARALLEL_CHG_EN	DO	Connect SMB_EN for parallel charging(PMI8952)
184	GPIO125	B-PD:nppukp	Configurable I/O
185	GPIO126	B-PD:nppukp	Configurable I/O
186	GPIO129	B-PD:nppukp	Configurable I/O
187	GPIO45	B-PD:nppukp	Configurable I/O
188	GPIO31_CAM_I2C_SDA1	B-PD:nppukp	Configurable I/O,Dedicated camera I2C1 SDA
189	GPIO32_CAM_I2C_SCL1	B-PD:nppukp	Configurable I/O,Dedicated camera I2C1 SCL
190	GND	GND	GND
191	MIPI_CSI1_LANE3_P	AI	MIPI camera serial interface 1 lane3+
192	MIPI_CSI1_LANE3_N	AI	MIPI camera serial interface 1 lane3-
193	GND	GND	GND
194	GND	GND	GND
195	GND	GND	GND
196	GPIO25_LCD_TE1	B-PD:nppukp	Configurable I/O,secondary LCD TE
197	MIPI_DSI1_LANE0_N	AO	MIPI display serial interface 1 lane0-
198	MIPI_DSI1_CLK_P	AO	MIPI display serial interface 1 clock+
199	MIPI_DSI1_CLK_N	AO	MIPI display serial interface 1 clock-
200	GPIO19_NFC_I2C5_SCL	B-PD:nppukp	Configurable I/O,NFC I2C SCL
201	GPIO18_NFC_I2C5_SDA	B-PD:nppukp	Configurable I/O,NFC I2C SDA
202	GPIO12	B-PD:nppukp	Configurable I/O
203	GPIO90_DMIC0_DATA	B-PD:nppukp	Configurable I/O,Digital MIC0 data
204	GPIO89_DMIC0_CLK	B-PD:nppukp	Configurable I/O,Digital MIC0 clock
205	GPIO99	B-PD:nppukp	Configurable I/O
206	GPIO98	B-PD:nppukp	Configurable I/O
207	GPIO97	B-PD:nppukp	Configurable I/O
208	GPIO96	B-PD:nppukp	Configurable I/O

209	GND	GND	GND
210	GND	GND	GND
211	GND	GND	GND
212	GND	GND	GND
213	GND	GND	GND
214	GND	GND	GND
215	GPIO68_DCAM_PWDN	B-PD:nppukp	Configurable I/O
216	GPIO41	B-PD:nppukp	Configurable I/O,Accelerometer interrupt2
217	GPIO42_G_INT1_N	B-PD:nppukp	Configurable I/O,Accelerometer interrupt1
218	GPIO48	B-PD:nppukp	Configurable I/O
219	GPIO46	B-PD:nppukp	Configurable I/O
220	GPIO124	B-PD:nppukp	Configurable I/O
221	MIPI_DSI1_LANE1_P	AO	MIPI display serial interface 1 lane1+
222	MIPI_DSI1_LANE1_N	AO	MIPI display serial interface 1 lane1-
223	GPIO17_UART1_RX	B-PD:nppukp	Configurable I/O,UART1 RX
224	GPIO16_UART1_TX	B-PD:nppukp	Configurable I/O,UART1 TX
225	GPIO88_SPI7_CLK	B-PD:nppukp	Configurable I/O,SPI CLK
226	GPIO87_SPI7_CS_N	B-PD:nppukp	Configurable I/O,SPI CS
227	GPIO86_SPI7_MISO	B-PD:nppukp	Configurable I/O,SPI MISO
228	GPIO85_SPI7_MOSI	B-PD:nppukp	Configurable I/O,SPI MOSI
229	GPIO43_PS_INT_N	B-PD:nppukp	Configurable I/O,ALSP interrupt
230			

5. 2D

2D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3.00±0.10
1.00±0.10
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0.60±0.10
6.25
6.25
1.50
1.50
0.75
6.25
1.50
1.50
3.75
3.75
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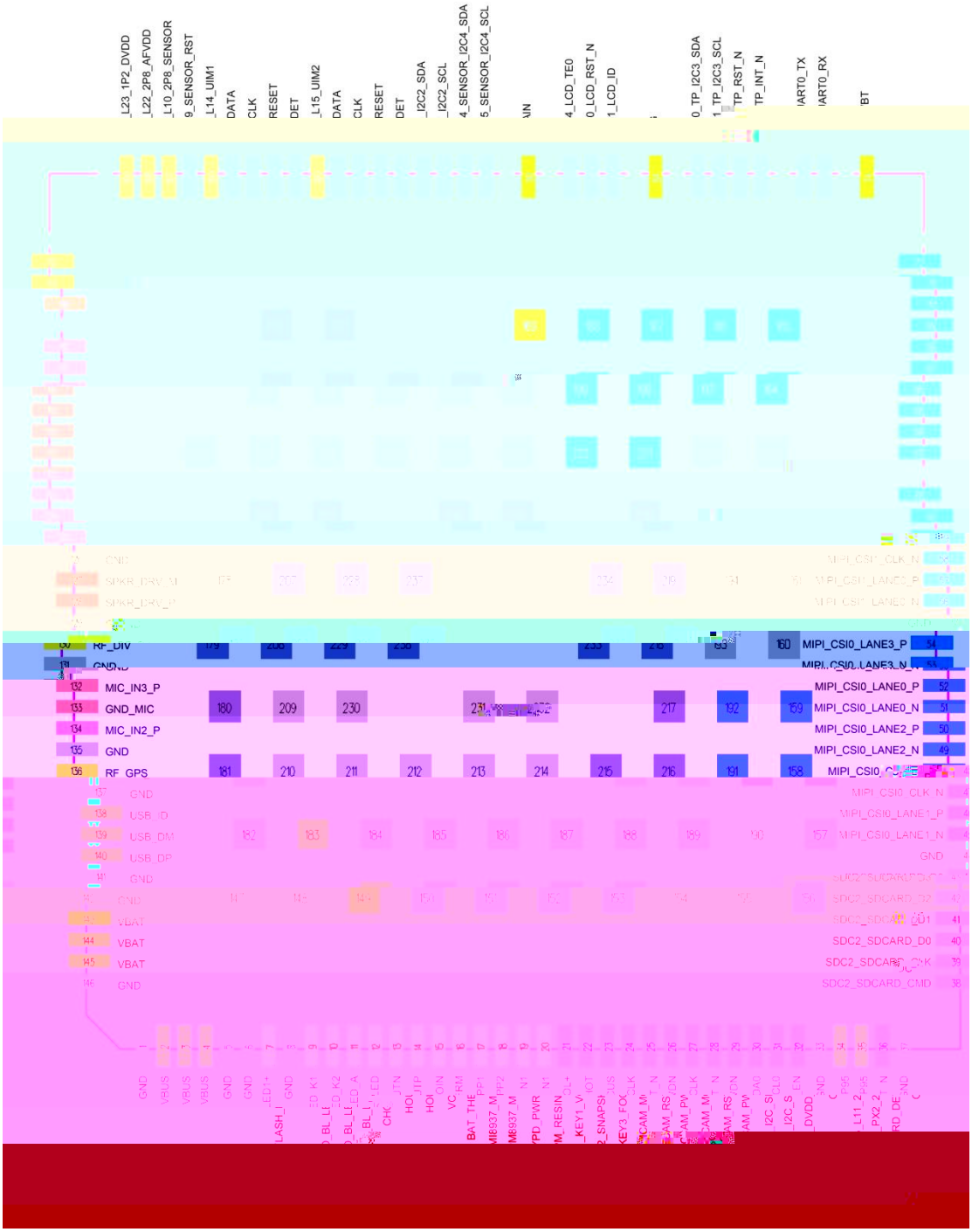
39.50±0.10
41.00±0.10
1.00±0.10
6.25
2.50±0.10

6.PIN MAP


L23_1P2_DVDD
L22_2P8_AFVDD
L10_2P8_SENSOR
9_SENSOR_RST
L14_UIM1
DATA
CLK
RESET
DET
L15_UIM2
DATA
CLK
RESET
DET
I2C2_SDA
I2C2_SCL
4_SENSOR_I2C4_SDA
5_SENSOR_I2C4_SCL
4_LCD_TE0
0_LCD_RST_N
1_LCD_ID
0_TP_I2C3_SDA
1_TP_I2C3_SCL
TP_RST_N
TP_INT_N
UART0_TX
UART0_RX
MIC_IN3_P
GND_MIC
MIC_IN2_P
GND
RF_GPS
USB_ID
USB_DM
USB_DP
VBAT
VBAT
VBAT
MIPI_CSI0_LANE3_P
MIPI_CSI0_LANE0_P
MIPI_CSI0_LANE0_N
MIPI_CSI0_LANE2_P
MIPI_CSI0_LANE2_N
MIPI_CSI0_LANE1_N
SDC2_SDCARD_D0
SDC2_SDCARD_CMD