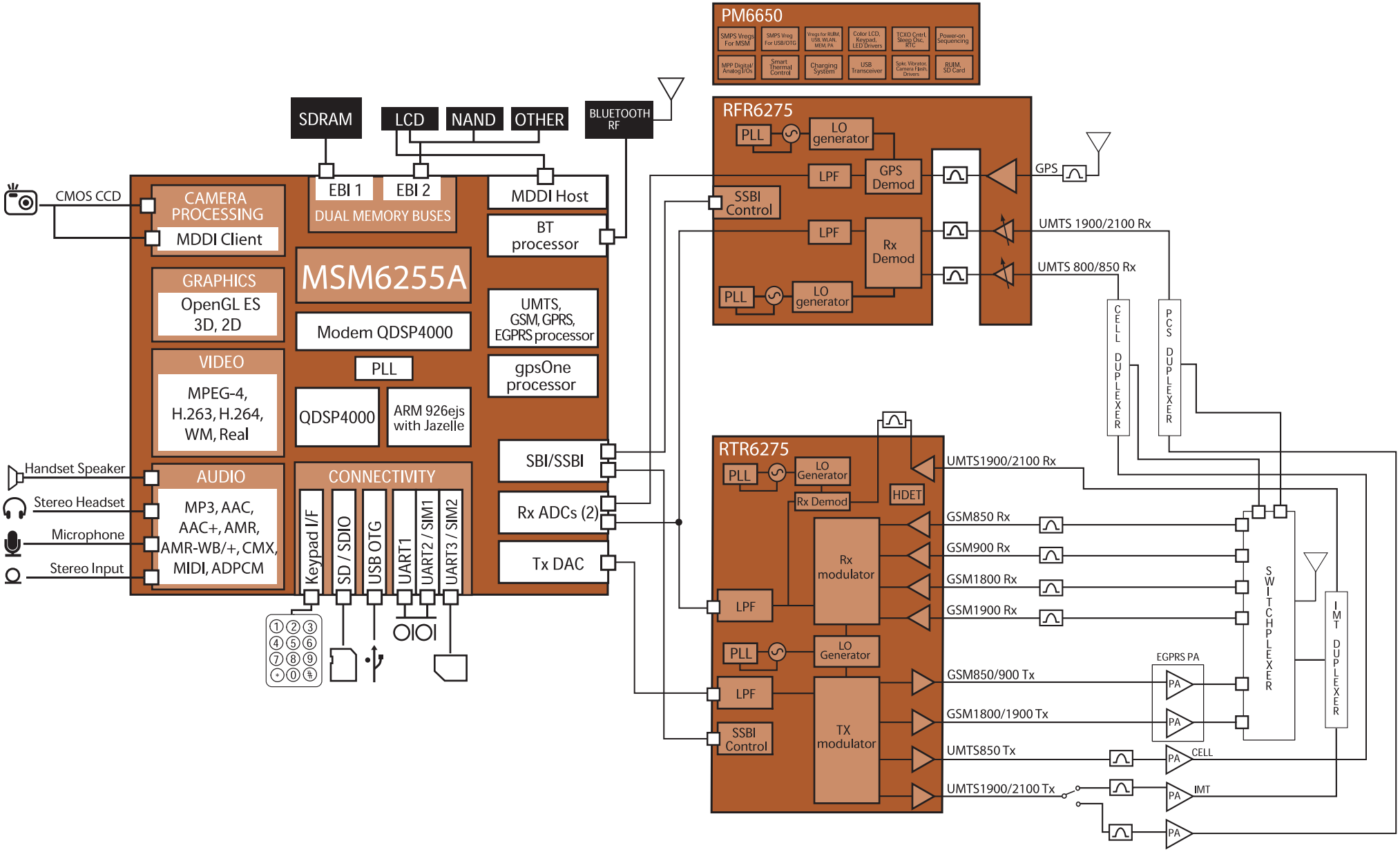
PM6650
SMPS Vregs For MSM
SMPS Vreg For USB/OTG
Vregs for RUIM, USB, WLAN, MEM, PA
Color LCD, Keypad, LED Drivers
TCXO Cntrl, Sleep Osc, RTC
Power-on Sequencing
MPP Digital/ Analog I/Os
Smart Thermal Control
Charging System
USB Transceiver
Spkr, Vibrator, Camera Flash, Drivers
RUIM, SD Card
SDRAM
LCD
NAND
OTHER
BLUETOOTH RF
CMOS CCD
CAMERA PROCESSING
MDDI Client
EBI 1
EBI 2
DUAL MEMORY BUSES
MDDI Host
BT processor
MSM6255A
GRAPHICS
OpenGL ES 3D, 2D
Modem QDSP4000
UMTS, GSM, GPRS, EGPRS processor
VIDEO
MPEG-4, H.263, H.264, WM, Real
PLL
gpsOne processor
QDSP4000
ARM 926ejs with Jazelle
Handset Speaker
Stereo Headset
Microphone
Stereo Input
AUDIO
MP3, AAC, AAC+, AMR, AMR-WB/+, CMX, MIDI, ADPCM
CONNECTIVITY
Keypad I/F
SD / SDIO
USB OTG
UART1
UART2 / SIM1
UART3 / SIM2
SBI/SSBI
Rx ADCs (2)
Tx DAC
RFR6275
PLL
LO generator
LPF
GPS Demod
SSBI Control
Rx Demod
GPS
UMTS 1900/2100 Rx
UMTS 800/850 Rx
CELL DUPLEXER
PCS DUPLEXER
RTR6275
LO Generator
Rx Demod
HDET
Rx modulator
TX modulator
UMTS1900/2100 Rx
GSM850 Rx
GSM900 Rx
GSM1800 Rx
GSM1900 Rx
GSM850/900 Tx
GSM1800/1900 Tx
UMTS850 Tx
UMTS1900/2100 Tx
EGPRS PA
PA
CELL
IMT
SWITCHPLEXER
IMT DUPLEXER