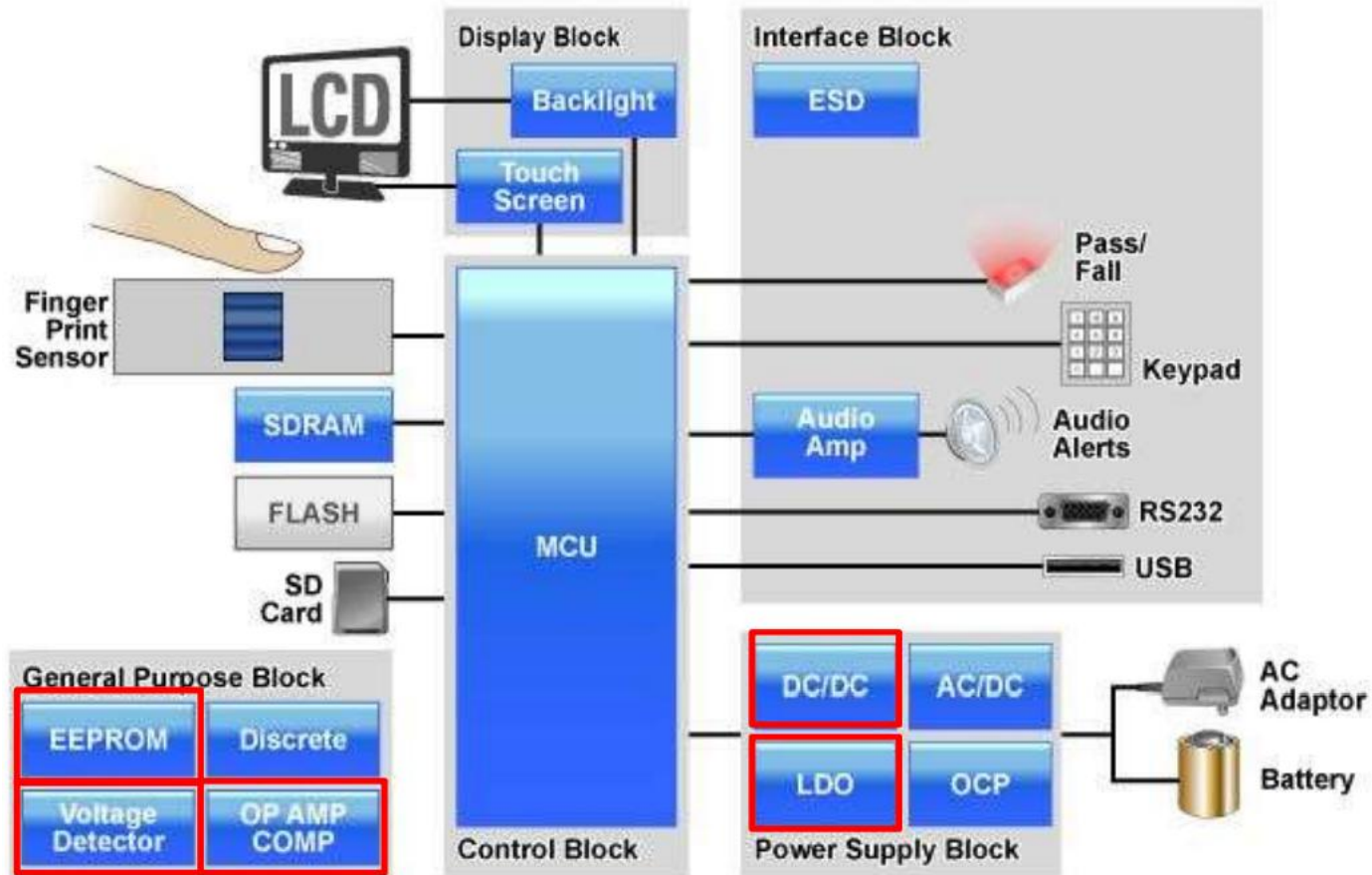


Fingerprint Authentication Device - Block Diagram



Fingerprint Authentication Device - Parts

Linear Regulator

MCHP parts	Vin	Iout/Iq
MIC5319	2.5V~5.5V	500mA
MIC2940A	2V~26V	1.25A
MIC2920A/1/2/4	2V~26V	400mA
MIC5239	2.3V~30V	500mA

Buck Switching Regulator

MCHP parts	Vin	Fsw/Iq	Iout
MIC28513	4.6V~45V	200~680KHz /400uA	4A
MCP1612	2.7V~5.5V	1.4MHz /0.01uA	1A

Fingerprint Authentication Device - Parts

EEPROM

MCHP parts	Interface	Frequency
AT24c128C	I2C	1MHz
24LCxxB	I2C	400KHz

Voltage Detectors & Supervisor

MCHP parts	Output Type	Reset Pulse Width
MIC803	Open-Drain /Active Low	2.63V, 2.93V, 3V, 3.08V, 4V, 4.1V, 4.38V, 4.63V

Op Amp

MCHP parts	GBWP	Vos Max / Iq(Max)
MCP6411	1MHz	1mV/50uA