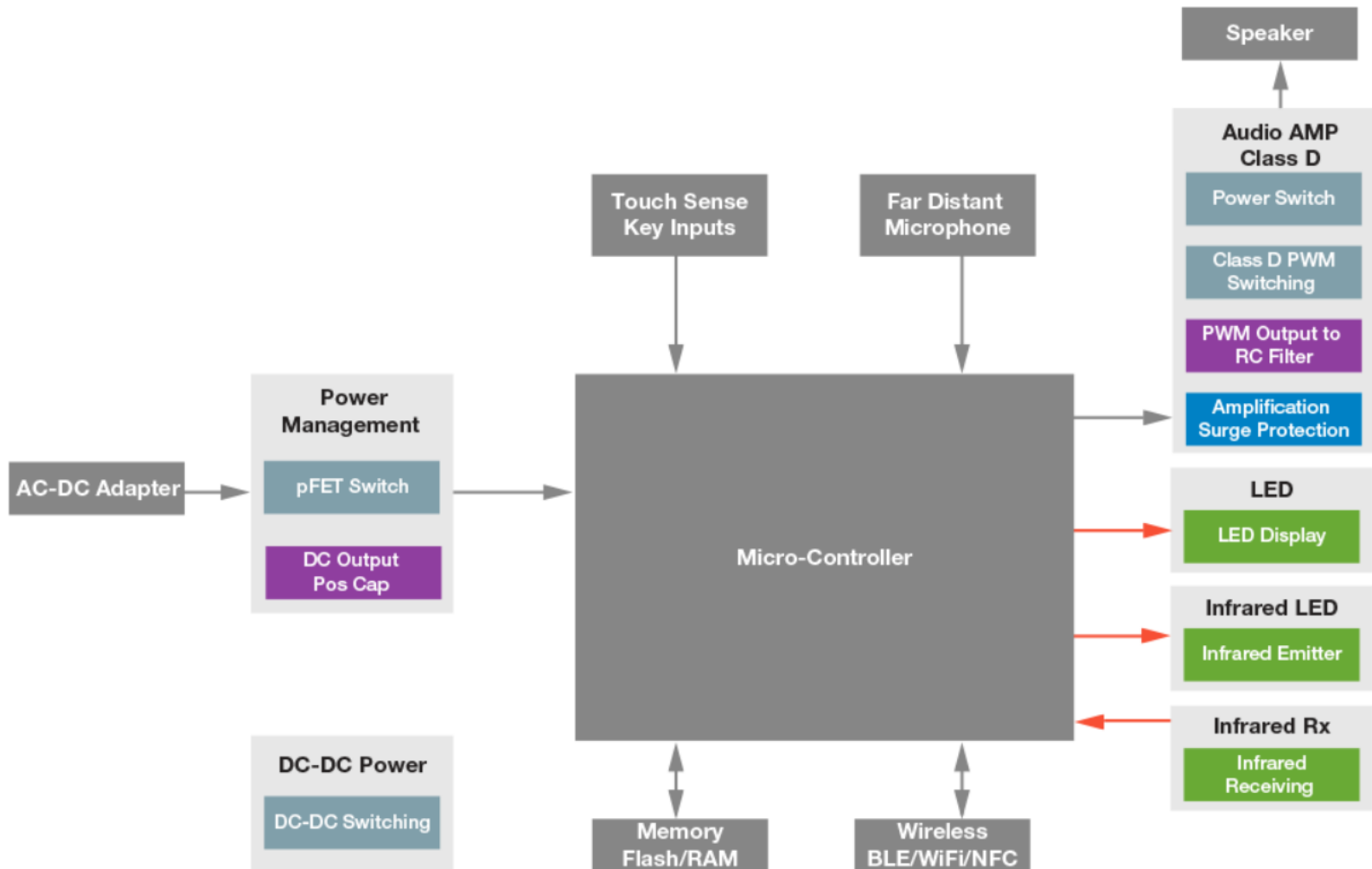


Home Hub - Block Diagram



Home Hub - Parts

POWER MANAGEMENT - PFET SWITCH

POWER SWITCH

Product Name	Status	Description	Features	Package	Q-Level
SI7619DN		P-Channel 30 V (D-S) MOSFET	Small package, low RDSON	'PowerPAK 1212-8	

POWER MANAGEMENT - DC OUTPUT POS CAP

OUTPUT VOLTAGE REGULATION

Product Name	Status	Description	Features	Package	Q-Level
T55		vPolyTanTM Polymer	Output power polymer capacitor	1608 to 7343	

DC-DC POWER - DC-DC SWITCHING

BUCK INDUCTOR

Product Name	Status	Description	Features	Package	Q-Level
IFSC-1008AB-01		Low Profile, High Current Inductors	Low profile High current	2.5 x 2 x 1.2 mm	

BUCK SWITCH

Product Name	Status	Description	Features	Package	Q-Level
SiA462DJ		N-Channel 30 V (D-S) MOSFET	Small package 12A	PowerPAK® SC70-6L 2 x 2 x 0.75 mm	
SiA918EDJ		Dual N-Channel 30 V (D-S) MOSFET	Small package 4.5A	PowerPAK® SC70-6L 2 x 2 x 0.75 mm	

Home Hub - Parts

AUDIO AMP (CLASS D) - POWER SWITCH

POWER SWITCH FOR AMPLIFIER

Product Name	Status	Description	Features	Package	Q-Level
SI1025X		P-Channel 60 V (D-S) MOSFET		'SC-89 1.6 x 1.6 x 0.58 mm	

AUDIO AMP (CLASS D) - CLASS D PEM SWITCHING

CLASS D AMPLIFIER

Product Name	Status	Description	Features	Package	Q-Level
SI7308DN		N-Channel 60 V (D-S) MOSFET		'PowerPAK 1212-8 3.3 x 3.3 x 1 mm	

AUDIO AMP (CLASS D) - PWM OUTPUT TO RC FILTER

RC FOR PWM OUTPUT

Product Name	Status	Description	Features	Package	Q-Level
CRCW1218_HP		High Power Resistors 1 to 22 Ohm	High power and high pulse	1218	

AUDIO AMP (CLASS D) - AMPLIFICATION SURGE PROTECTION

SURGE PROTECTION

Product Name	Status	Description	Features	Package	Q-Level
MSE1PG		Surface Mount ESD Capability Rectifier	very low profile 0.65mm	MicroSMP 2.7 x 1.4 x 0.73 mm	AEC Q101

Home Hub - Parts

LED - LED DISPLAY

LED RED/AMBER/YELLOW

Product Name	Status	Description	Features	Package	Q-Level
VLMR/VLMK/VLMY				2.3 x 1.3 x 1.4 mm	AEC Q101

RGB TRI-COLOR LED

Product Name	Status	Description	Features	Package	Q-Level
VLMRGB		Multi SMD LED RGB		3.5 x 2.8 x 1.45 mm	AEC Q101

INFRARED LED - INFRARED EMITTER

TRANSMIT INFRARED SIGNAL

Product Name	Status	Description	Features	Package	Q-Level
VSMB2948SL		IR Emitter	Small package, high intensity	2.3 x 2.55 x 2.3 mm	

INFRARED RX - INFRARED RECEIVING

READ INFRARED SIGNAL

Product Name	Status	Description	Features	Package	Q-Level
TSMP77000		IR Sensor Module	Small package	6.8 x 3.0 x 3.2 mm	