

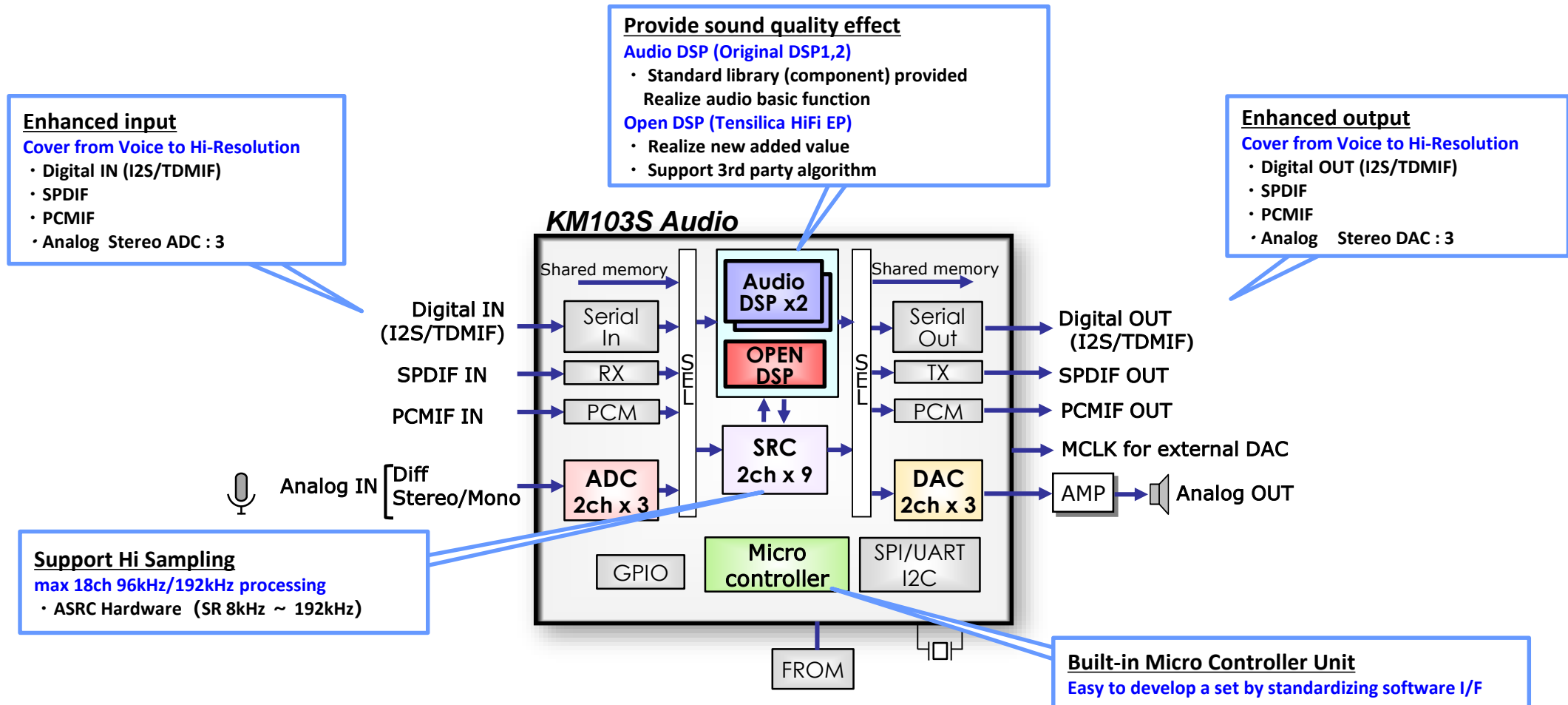
KM103S Audio Series

Nuvoton Technology Corporation Japan



Main Audio processing can be realized by 1chip

- Integrated multi channel audio In/Out(Analog, Digital) and multi DSPs
- Microcontroller supports host communication and peripheral control

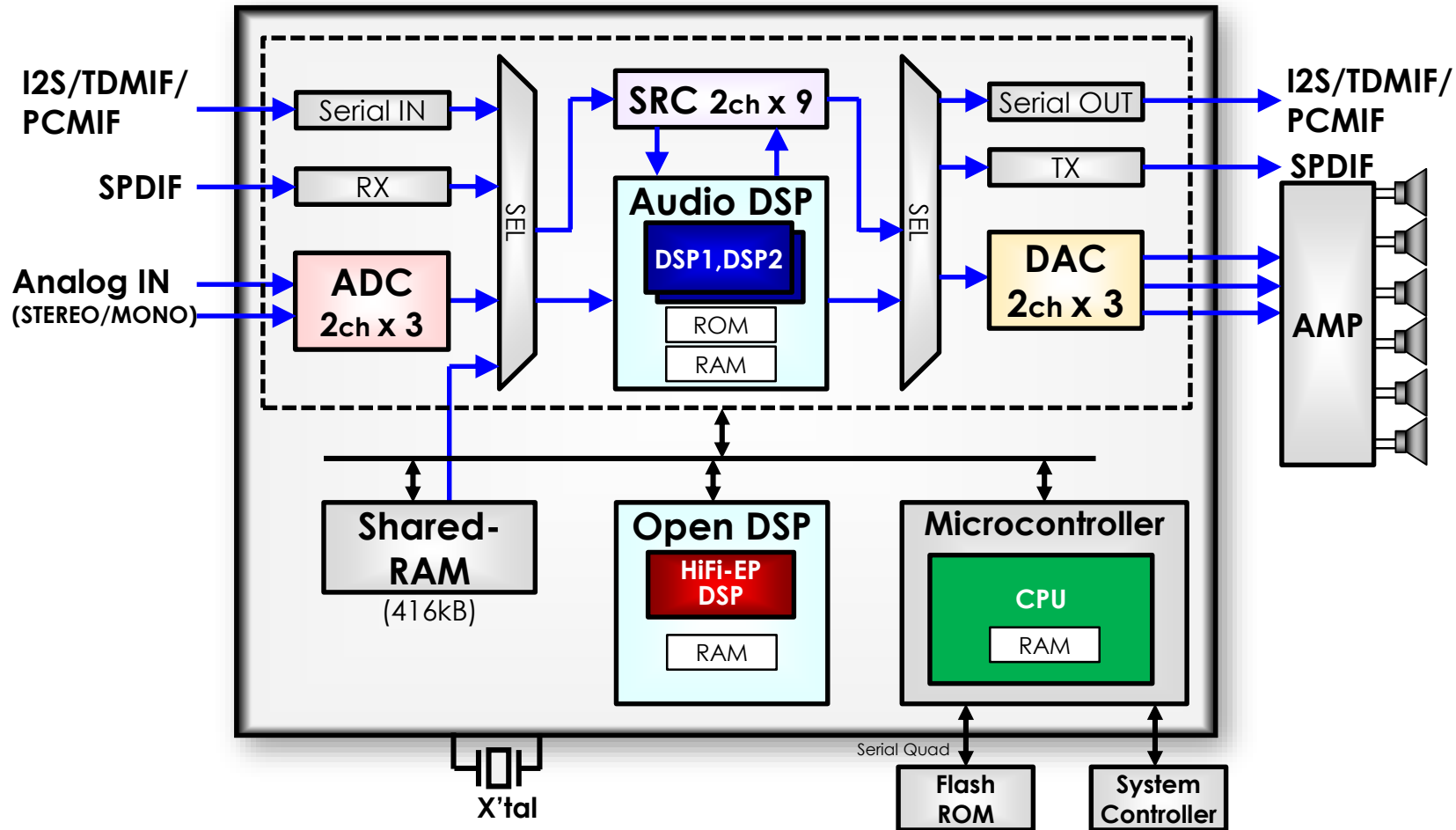


KM103S Audio Block diagram

Multi channel Audio simultaneous processing

Audio DSP(standard library), HiFi-EP DSP(user programmable), SRC Hardware

※SRC: Sampling Rate Converter



KM103S Audio Specifications (2)

<i>KM103S Audio</i>				
part number	Grade	Package	Operating Temperature	
			Ambient	Junction
KM103S0H0QAA	Non-Automotive	LQFP128	0 ~ 70°C	125°C
KMZS0H0QAAUB	Automotive	LQFP128	-40 ~ 85°C	125°C
KM103S0G0QAA	Non-Automotive	LQFP216	0 ~ 70°C	125°C
KMZS0G0QAAUB	Automotive	LQFP216	-40 ~ 85°C	125°C

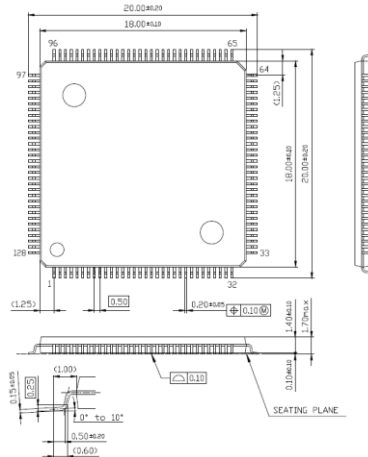
Development Tool

Evaluation Board (KE-S010HAA)



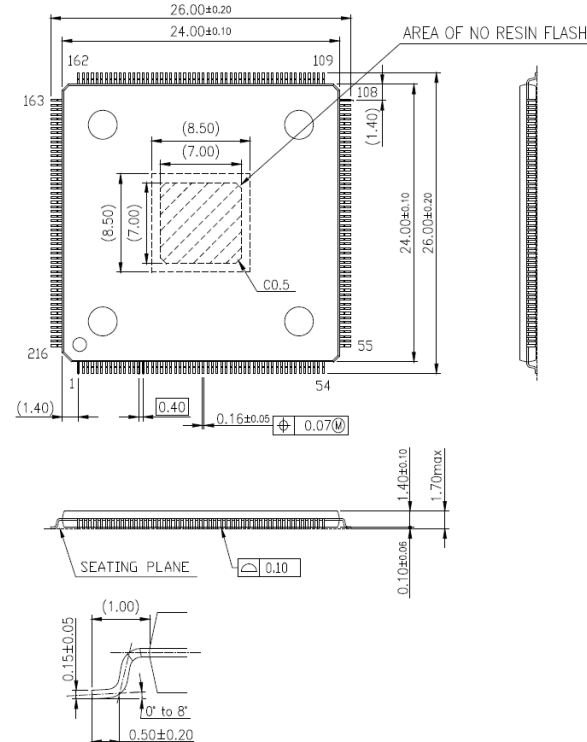
KM103S0H0QAA/KMZS0H0QAAUB

LQFP128 18x18



KM103S0G0QAA/KMZS0G0QAAUB

LQFP216 24x24



PC control Box (KU-S04MONACO)



MCU On-board debug & program (Nu-EX1)

