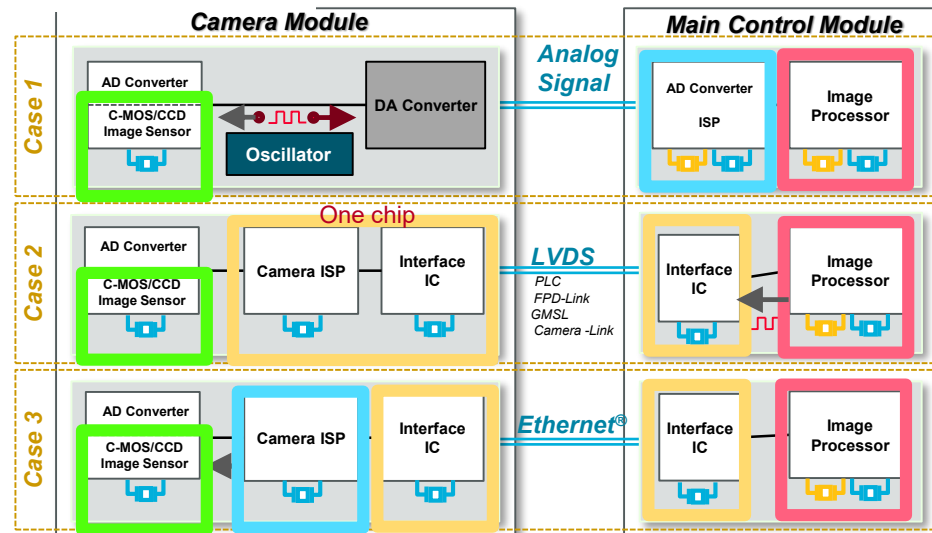
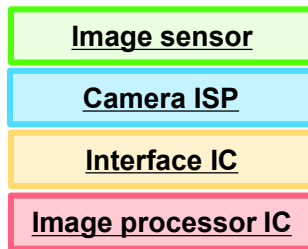




Block Diagram for ADAS Camera



Appearance	Device	Series P/N		SPEC
	Ceramic Resonator	CSTNR-G-C series (4MHz to 7.99MHz) CSTNE-G-C series (8MHz to 13.99MHz) CSTNE-V-C series (14MHz to 20MHz) CSTNE-V-T series (16MHz, 20MHz, 24MHz)	Image Processor	Frequency Tolerance : +/-2700ppm (C series) +/-2300ppm (T series)
	Crystal Unit	XRCGB24M000F3A00R0 XRCGB27M000F3A00R0	Image sensor , Camera ISP Image processor	Frequency Tolerance : +/-85ppm, +/-135ppm
		XRCGB25M000F3A00R0	Interface IC , Image Processor	
		XRCGB30M000F5A00R0	Image sensor , Camera ISP	



Murata proposal parts list for ADAS Camera



IC information			Murata product information		
IC Function	IC Maker	IC Part Number	Crystal unit Part Number	Frequency [MHz]	Size [mm]
IS (Image sensor)	Pixelpius	PC7080D PCB030K PV3109K	XRCGB27M000F3A00R0	27.0000	2.0 x 1.6 x 0.7
ISP (Image Signal Processor) ISP+IS	OVT OmniVision Technologies	OV495	XRCGB24M000F3A00R0	24.0000	2.0 x 1.6 x 0.7
	Fullhan Microelectronics	FH8310	XRCGE27M000F2A1AR0	27.0000	2.0 x 1.6 x 0.7
	ON Semiconductor	AP0202AT	XRCGB27M000F3A00R0	27.0000	2.0 x 1.6 x 0.7
	Pixelpius	PI6008K	XRCGB27M000F3A00R0	27.0000	2.0 x 1.6 x 0.7
	GEO Semiconductor	GW4100	XRCGB27M000F3A00R0	27.0000	2.0 x 1.6 x 0.7
	Ambarella	CV25	XRCGB24M000F3A00R0	24.0000	2.0 x 1.6 x 0.7
	Sony	ISX016	XRCGB27M000F3A00R0	27.0000	2.0 x 1.6 x 0.7
	Texas Instruments	DS90UB954	XRCGB25M000F3A00R0	25.0000	2.0 x 1.6 x 0.7
Interface/FPD link III/ Deserializer					
Interface/GMSL2	Maxim Integrated	MAX9295 MAX9296 MAX96716 MAX96717	XRCGB25M000F3A01R0	25.0000	2.0 x 1.6 x 0.7
Interface/Ethernet®	Link to Ethernet® page				
Image Processor	Horizon Robotics	Journey2	XRCGB24M000F2A01R0	24.0000	2.0 x 1.6 x 0.7