SENSING

Model
SG2-AR0231RGGB-AP0202-GMSL-Hxxx

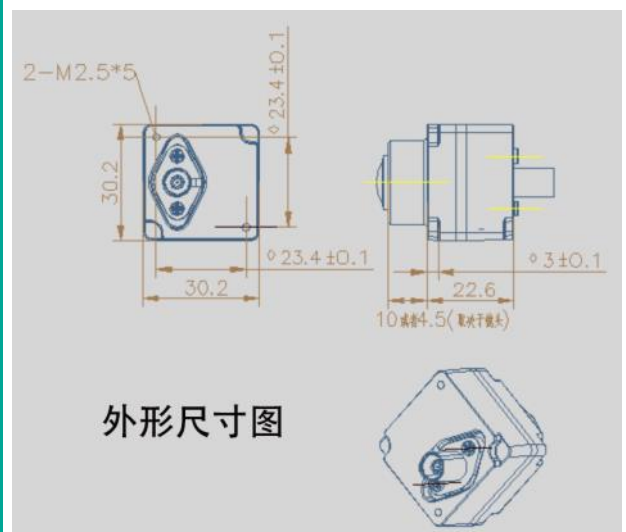### Key Features

|	
Sensor	ONSEMI 2.3MP AR0231 RGGB Sensor
ISP	ONSEMI AP0202
Image Size	1/2.7 inch CMOS
Output Pixels	1920H*1080V
Pixel Size	3um*3um Back Side Illuminated (BSI)
Frame Rate	1920*1080 / 24fps
HDR Range	>120 dB
Output data	Parallel 8bit ／ YUV422
Output pixel clock	TBD
Serializer	Maxim MAX96705
Camera Interface	Coaxial
Power Supply	5~12V POC （Power Over Coaxial）
Current	＜200mA
Connector	Fakra Z Type
Operating temp. range	-40~+85℃
Waterproof	IP67
Dimensions	W: 30mm, L:30mm, H:22.5mm
Weight	＜50g
Lens	FOV 10~190°

Application

☑ Automotive ADAS
☑ ADAS + Viewing Fusion

外形尺寸图

SENSING

Hardware & Software

MAX96705 IIC Address	0x80
ISP IIC Address	0xBA

MAX96705 Circuit

SENSING
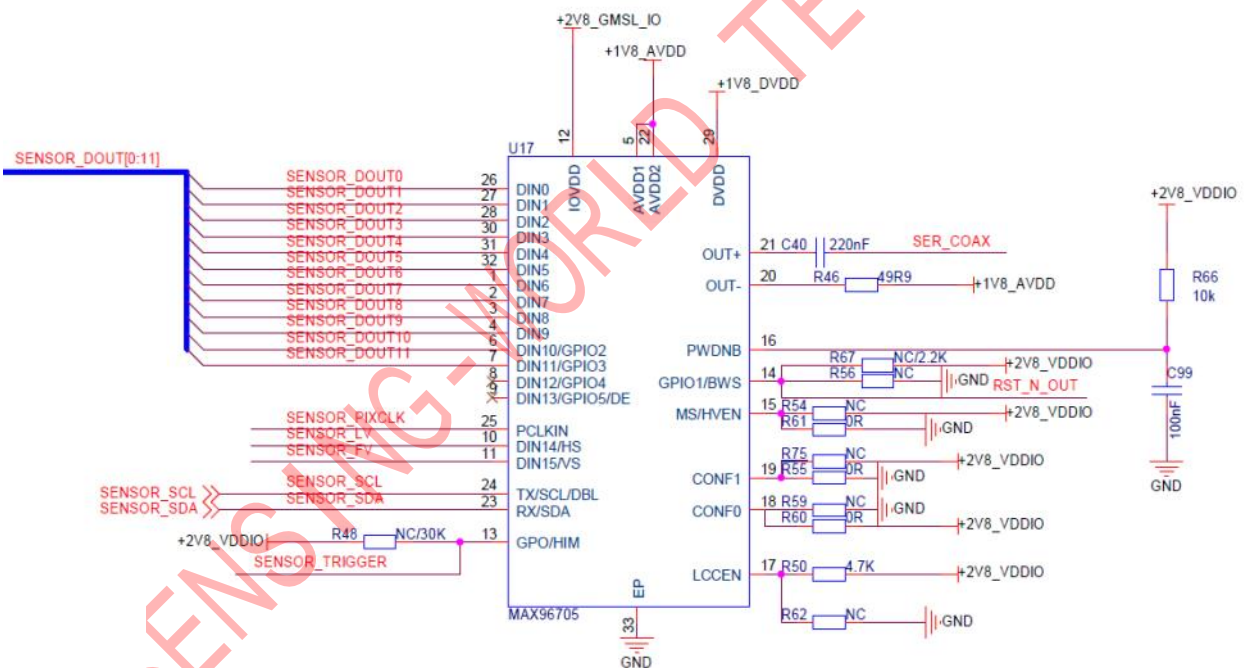
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BOM
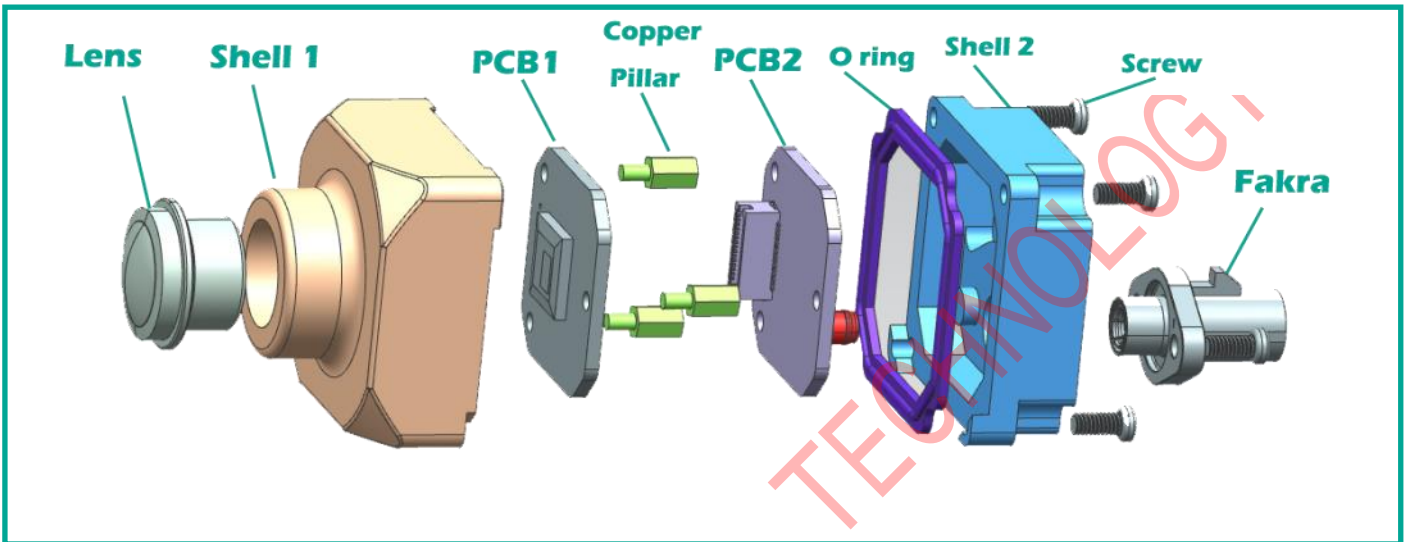
#	Name	SPEC	QTY/SET
1	Lens	M12 Lens	1
2	Shell 1	AL Black/M12	1
3	PCB1	Sensor board	1
4	Copper Pilar	3*Copper	3
5	PCB2	GMSL or GMSL+ISP board	1
6	O ring	silicon rubber	1
7	Shell 2	AL Black	1
8	Screw	M2	4
9	Fakra	Fakra Z Type	1

SENSING

Camera and cable