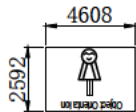
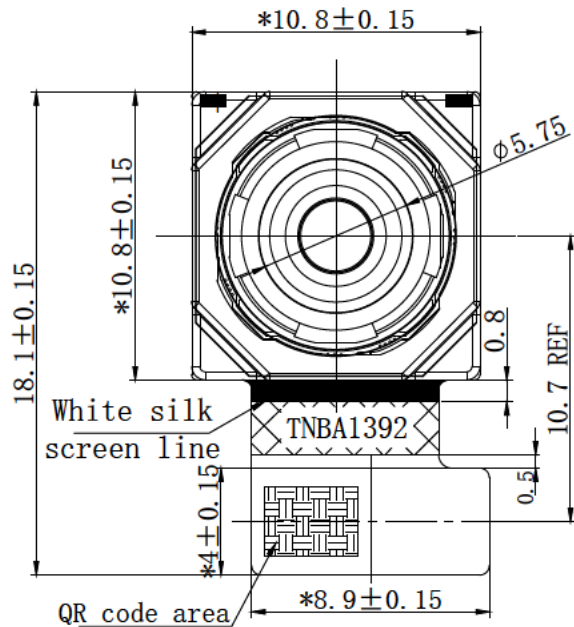


PIN DEFINITION

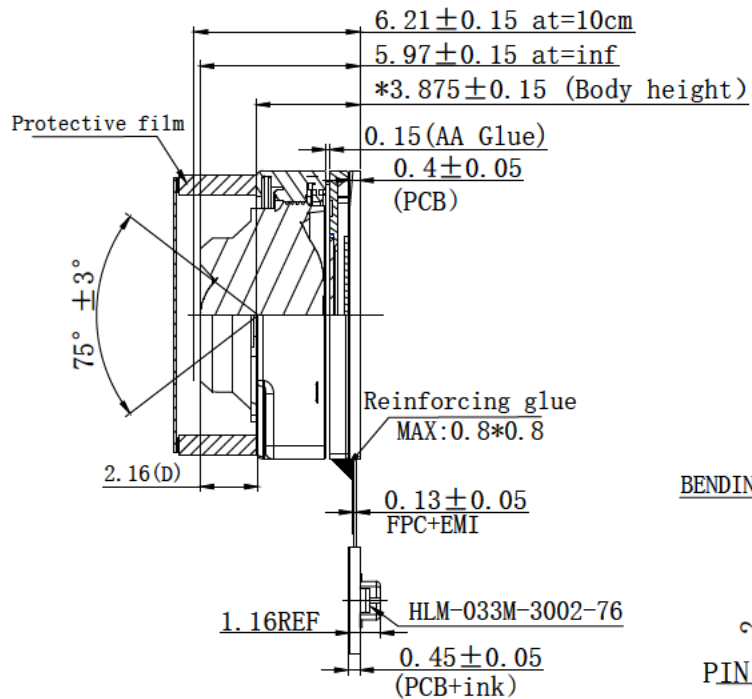
1	AFVDD2.8V
2	AF-GND
3	DOVDD1.8V+AVDD1.8V
4	DVDD1.1V
5	Sensor_PWDN
6	DGND
7	MCLK
8	DGND
9	AGND
10	AVDD2.8V
11	DVDD1.1V
12	DGND
13	MIPI-D3P
14	MIPI-D3N
15	DGND
16	DGND
17	MIPI-D2N
18	MIPI-D2P
19	DGND
20	MIPI-D1N
21	MIPI-D1P
22	DGND
23	MIPI-D0N
24	MIPI-D0P
25	DGND
26	MIPI-CLKN
27	MIPI-CLKP
28	DGND
29	SCL(1.8V)
30	SDA(1.8V)



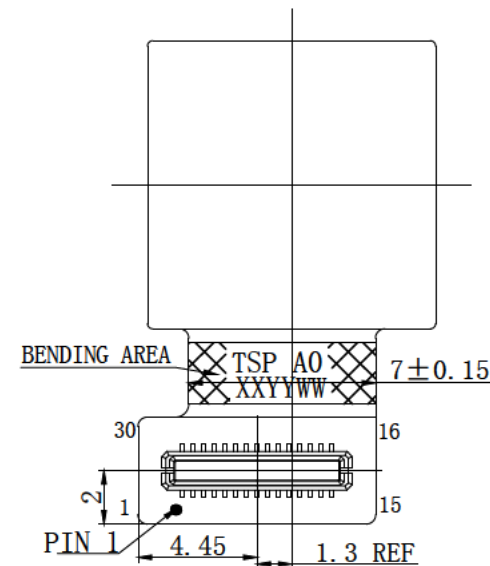
TOP VIEW



SIDE VIEW



BOTTOM VIEW



ROHS / HALOGEN FREE

REV	Date	Changer	DESCRIPTION OF REVISION
0	20211210	ZG	New Release
1			
2			

Module Specification

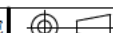
Lens specifications	1/2.3 6P	Sensor Type	IMX708-AAJH5-C	VCM Type	Open Loop
EFL	4.74mm	Sensor size	1/2.43	Starting current	/
F.NO.	1.79±5%	CRA of sensor	35.3°	Rated current	-100-100mA
FOV	75° ±3°	DVDD	1.1V	Sensitivity	3.5±1.5um/mA
CRA of Lens	34.1°	AVDD	2.8V	Minimum stroke	+310um/-50um
TV-Distortion	<1.5%	DOVDD	1.8V	Postural difference	≤±50um
Maximum image circle	φ8.4mm	Sensor IIC	W:0x34;R:0x35;	Dynamic Tilt	≤8'
Relative illuminance	30.7%	PWDN	Low effective	Hysteresis error	≤8um
focus distance	5m	Reset	NA	DRIVER IC adress	W:0x18;R:0x19
Focusing Range	10cm-inf	TV-LINE	Center: 1900; Corner: 1200	EEPROM IC adress	W:0xA0;R:0xA1

Technical requirements:

1. "\*" Marked as the key detection size; CPK≥1.33;
2. MIPI impedance:100±10Ω;
3. FPC bending area can bend 180 degrees for 20 times without failure (bending radius R=0.8mm);
4. When the module is not working, it is suggested to turn off all the power supply of the module;
5. OTP:TBD
6. Environmental protection meets the REQUIREMENTS of EU RoHS, REACH, HF and other regulations;
7. DRIVER IC :DW9800W;
8. EEPROM:BL24SA64D-CS;

GENERAL TOLERANCE TABLE

ANGLE	LINEAR	A	B	C
±0.5°	0<L<3	±0.00	±0.05	±0.10
	3<L<6	±0.05	±0.10	±0.20
	6<L<15	±0.05	±0.15	±0.30
	15<L<30	±0.10	±0.20	±0.50
	30<L<150	±0.10	±0.20	±0.80



Scale: 1:1  
Unit: mm  
Ver: A0  
Page: 1/1

**天实精工** 重庆市天实精工科技有限公司  
TSP Chongqing TS-Precision Technology Co.,LTD.

Project Name : Raspberry pi			
Drawing No. :TNBA1392		P1.0	
DWN BY :	CHK BY :	APP BY :	
ZG	JC		