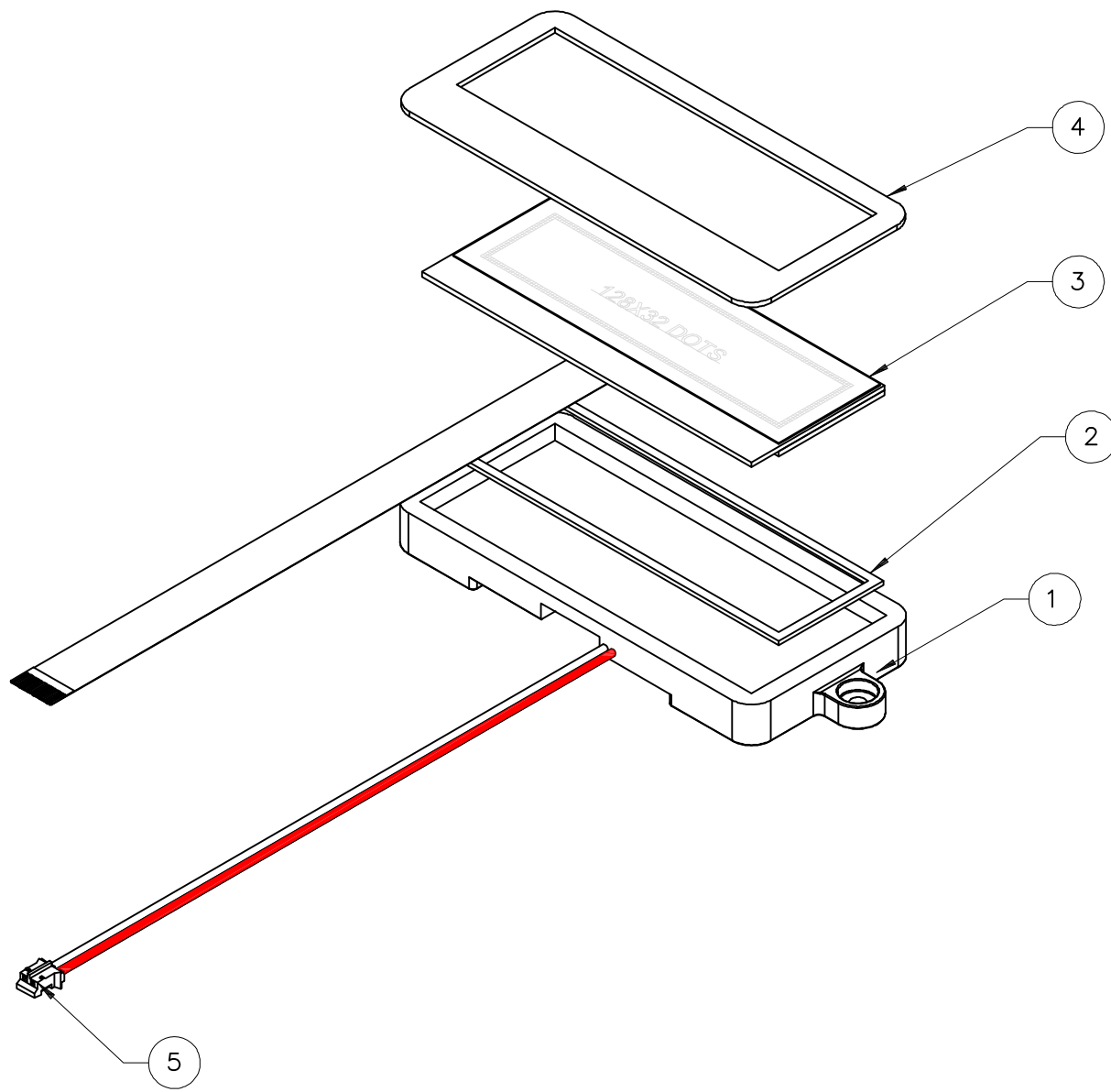
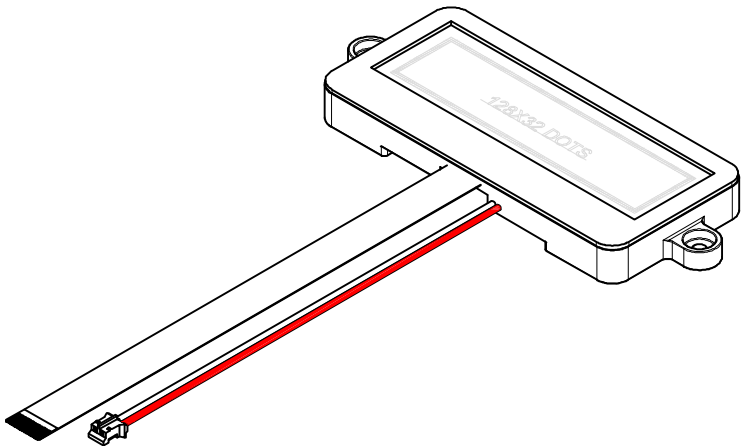




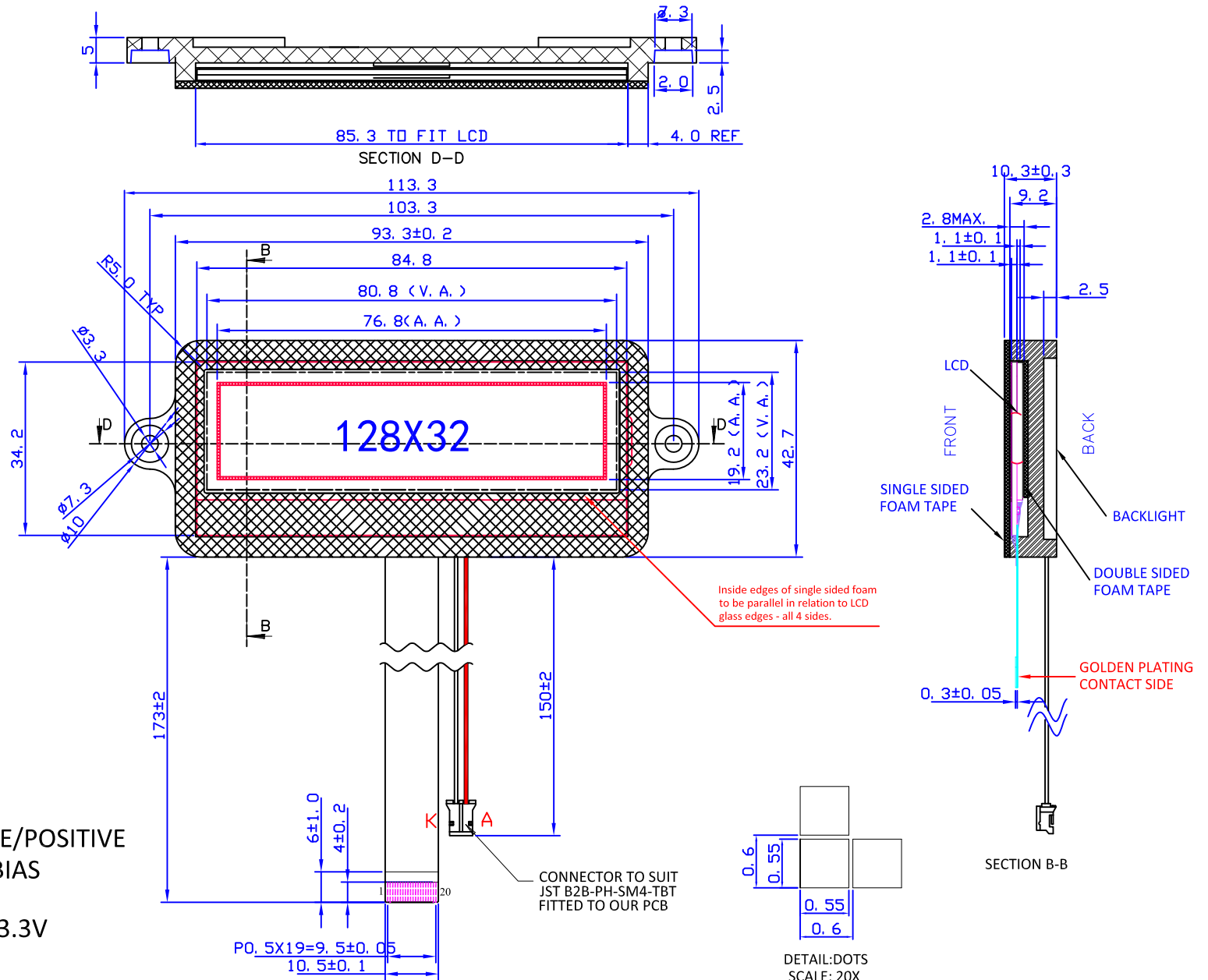
ITEM NO.	QTY.	Description
1	1	BACKLIGHT
2	1	DOUBLE SIDED FOAM TAPE
3	1	DISPLAY LCD 128x32x0.6 COG FPC
4	1	SINGLE SIDED FOAM TAPE
5	1	JST PHR-2 OR APPROVED EQUIVALENT



XIAMEN OCULAR OPTICS CO.,LTD						Model Name:	
REVISION RECORD						Drawn:	GDC12832C ASSEMBLY
Ver.	Date	Modify	Contents	Name	Confirm	LIN	Date:
2						Checked:	AUG.12,2025
3						Approved:	
4						Page:	1-1
5							
6							

PIN FUNCTION

PIN NO.	PIN FUNCTION	PIN NO.	PIN FUNCTION
1	NC	11	CAP1N
2	CS1B	12	CAP1P
3	RST	13	CAP2P
4	A0	14	CAP2N
5	SCL(D6)	15	V4
6	SI(D7)	16	V3
7	VDD	17	V2
8	VSS	18	V1
9	VOUT	19	V0
10	CAP3P	20	NC



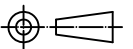
NOTES:

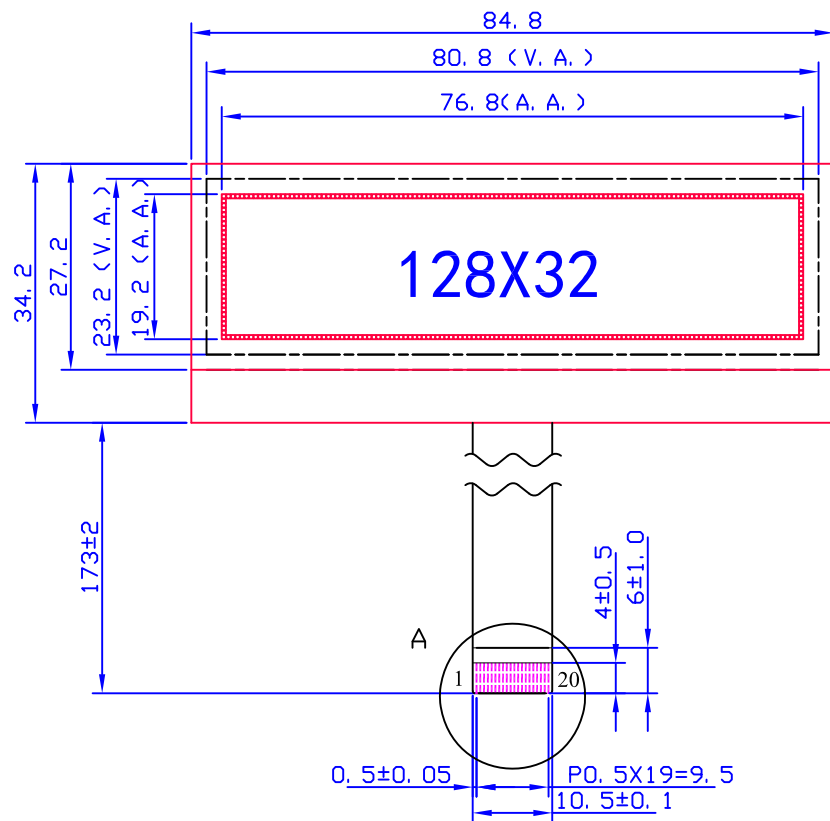
- 1.DISPLAY TYPE:FSTN
- 2.VIEWING DIRECTION:6 O'CLOCK
- 3.POLARIZER MODE:TRANSFLECTIVE/POSITIVE
- 4.DRIVE METHOD:1/32 DUTY 1/6 BIAS
- 5.LCD DRIVE VOLTAGE:7.5V
- 6.LOGIC POWER SUPPLY VOLTAGE:3.3V
- 7.OPREATING TEMP:-15°C~+75°C
- 8.STORAGE TEMP:-25°C~+80°C
- 9.CONTROLLER IC:ST7565P
- 10.CONNECTION TYPE:COG
- 11.BACKLIGHT:LED SIDE TYPE, WHITE COLOR
- 12.DRIVE METHOD OF BACKLIGHT:12.0V/15mA
- 13.OTHER TOLERANCE:±0.2mm

↑ 6 O'CLOCK VIEWING DIRCTION

XIAMEN OCULAR OPTICS CO.,LTD.					
REVISION RECORD					Model Name:
Ver.	Date	Modify	Contents	Name	Confirm
2					
3					
4					
5					
6					

Drawn:	LIN	Model Name:
Checked:		GDC12832C-FSW-FBW
Approved:		Date:
Page:	1-1	AUG.12,2025

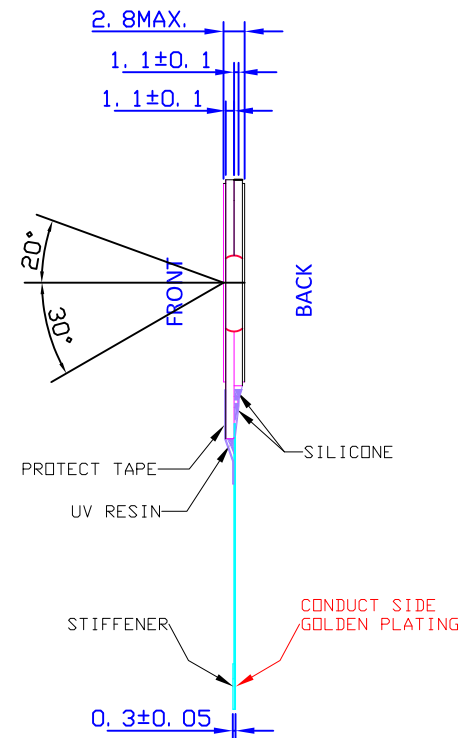




↑ 6 O'CLOCK VIEWING DIRCTION

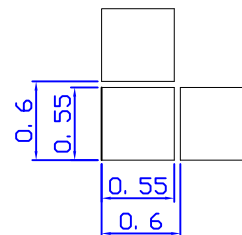
NOTES:

- 1.DISPLAY TYPE:FSTN
- 2.VIEWING DIRECTION:6 O'CLOCK
- 3.POLARIZER MODE:TRANSFLECTIVE/POSITIVE
- 4.DRIVE METHOD:1/32 DUTY 1/6 BIAS
- 5.LCD DRIVE VOLTAGE:7.5V
- 6.LOGIC POWER SUPPLY VOLTAGE:3.3V
- 7.OPREATING TEMP:-15°C~+75°C
- 8.STORAGE TEMP:-25°C~+80°C
- 9.CONTROLLER IC:ST7565P
- 10.CONNECTION TYPE:COG
- 11.OTHER TOLERANCE:±0.2mm

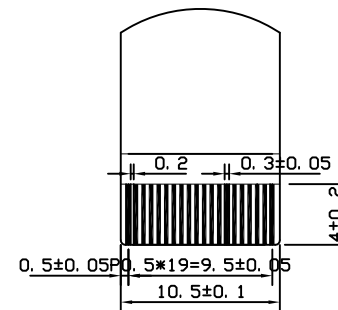


PIN FUNCTION

PIN NO.	PIN FUNCTION	PIN NO.	PIN FUNCTION
1	NC	11	CAP1N
2	CS1B	12	CAP1P
3	RST	13	CAP2P
4	A0	14	CAP2N
5	SCL(D6)	15	V4
6	SI(D7)	16	V3
7	VDD	17	V2
8	VSS	18	V1
9	VOUT	19	V0
10	CAP3P	20	NC



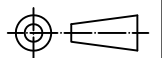
DETAIL:DOTS
SCALE: 20X

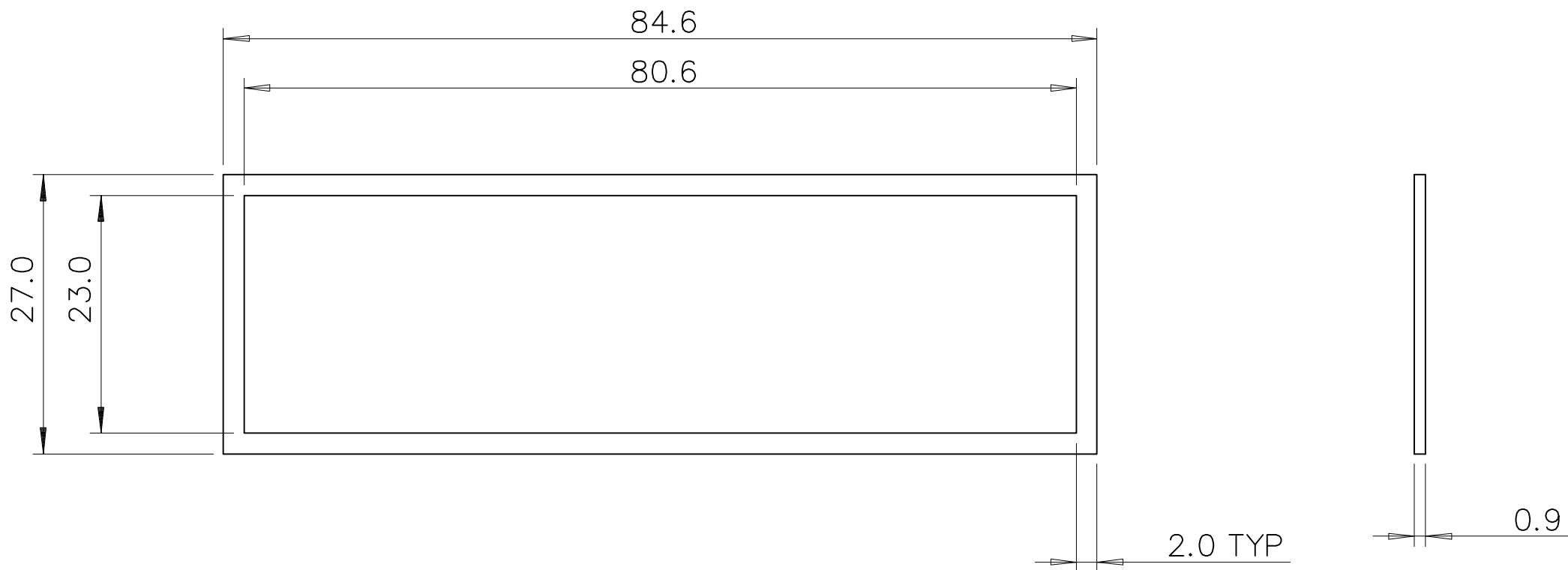


DETAIL: A
SCALE:2X

XIAMEN OCULAR OPTICS CO.,LTD.					
REVISION RECORD					
Ver.	Date	Modify	Contents	Name	Confirm
2					
3					
4					
5					
6					

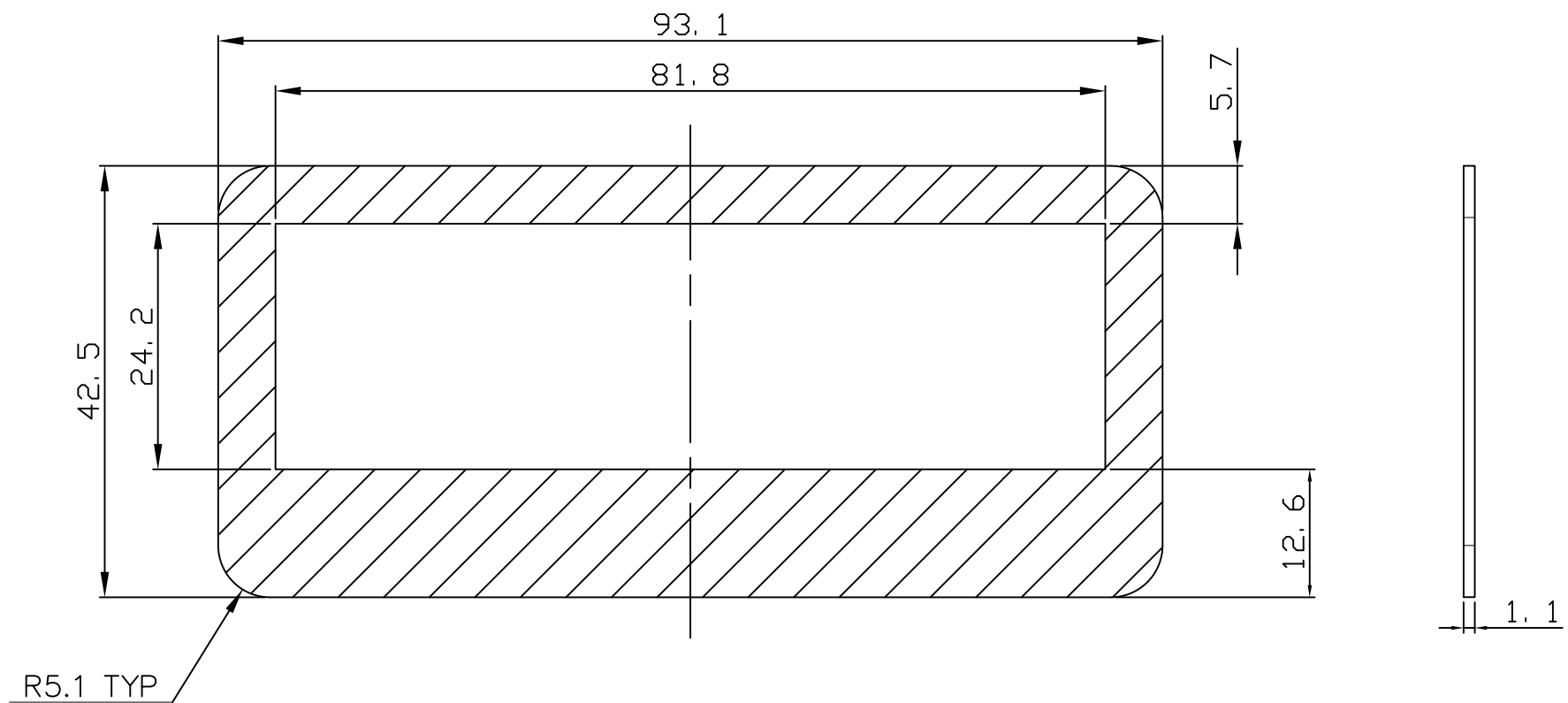
Drawn: LIN
Model Name: GDC12832C-FSW-FBW
Checked:
Date: AUG.12,2025
Approved:
Page: 1-1





DOUBLE SIDE TAPE

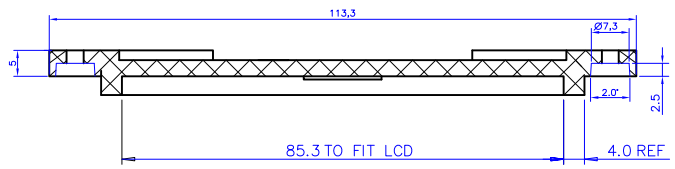
XIAMEN OCULAR OPTICS CO.,LTD.							Model Name:
REVISION RECORD						Drawn:	DOUBLE SIDE TAPE OF GDC12832C
Ver.	Date	Modify	Contents	Name	Confirm	LIN	Date:
2						Checked:	AUG.12,2025
3						Approved:	
4							
5							
6						Page: 1-1	



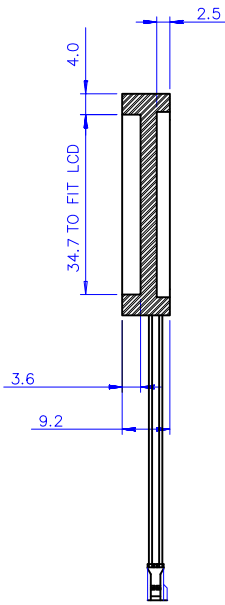
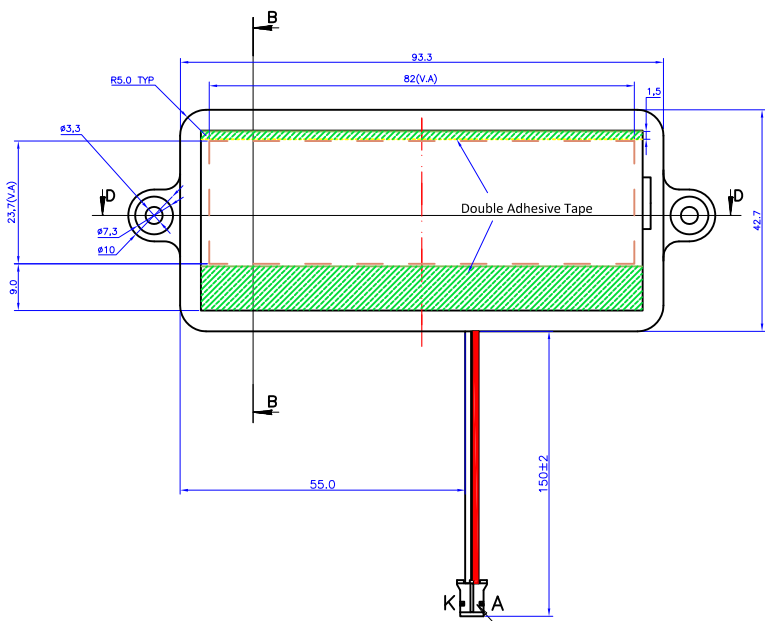
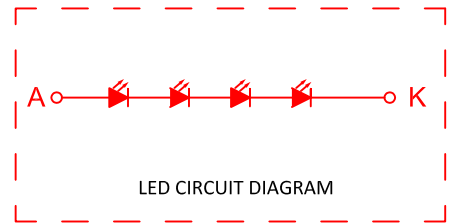
SINGLE SIDE FOAM TAPE

REVISION RECORD						Drawn:	Model Name:
Ver.	Date	Modify	Contents	Name	Confirm	LIN	SINGLE SIDE FOAM TAPE DF GDC12832C
2						Checked:	Date: AUG.12,2025
3						Approved:	
4						Page: 1-1	
5							
6							

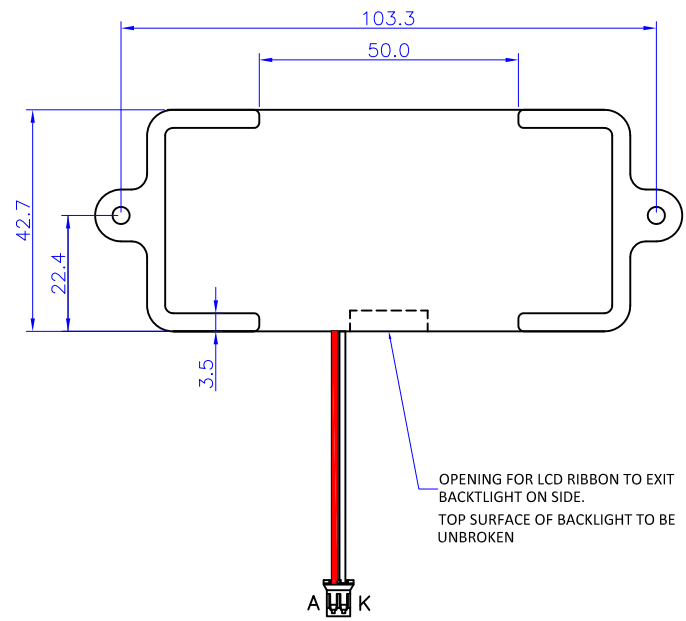
1	A		B		C		D		E		F		G		H		I		J		1
	REVISION	DATE	DESCRIPTION			REVISER	REVIEWED			VIEWING				DATE	AUG.12,2025		PAGE	1/1			
														CUSTOMER APPROVAL			DATE				



SECTION D-D



SECTION B-B



- Notes:
1. Unit:mm.
 2. Do not scale drawing.
 3. Tolerance unless otherwise specified ± 0.3 .
 4. modification rev.number.
 5. Backlight color: White.
 6. LED 1x4 groups, JF0603 SMD LEDs
 7. Backlight driving: 12.0V/12.5mA
 8. All materials in compliance with the RoHS

Item	Symbol	Min	Typ	Max	Unit	Condition
Forward Volatage	Vf	11.6	12.0	13.6	V	If=15mA
Reverse Current	Ir	—	—	10	uA	Vr=20V
C I E	X	0.26	—	0.31		If=15mA
	Y	0.26	—	0.31		
Luminance	Lv	100	—	—	cd/m ²	If=15mA
Uniformity	Δ	75	—	—	%	If=15mA
Operating Temperature	Topr	-20	—	75	°C	—
Storage Temperature	Tstg	-25	—	75	°C	—

XIAMEN OCULAR OPTICS CO.,LTD.		
CUSTOMER	PART NUMBER	EDITION
	GDL-S3060W04-12	A
PROJECT	PRODUCT CODE	REVISION
TRU-TEST 128x32 GRAPHIC COG	GDC12832C	A
DESIGNER	CHECKED	APPROVED
LIN		