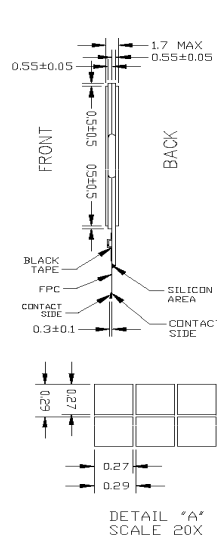
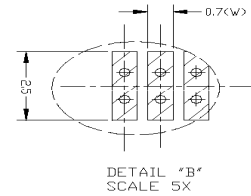
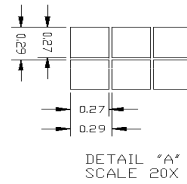


- NOTES:
1. DISPLAY TYPE: FSTN, TRANSFLECTIVE, POSITIVE
 2. VIEWING DIRECTION: 6 O'CLOCK
 3. OPERATING TEMP.: -20 °C~70 °C
 4. STORAGE TEMP.: -30 °C~80 °C
 5. CONNECTION: COG+FPC
 6. INTERFACE: 80 MODE, PARALLEL
 7. IC: SSD1815Z
 8. DRIVE METHOD: 1/9 BIAS 1/65 DUTY
 9. OPERATING VOLTAGE OF LCD: 9.5 V
 10. POWER SUPPLY VOLTAGE: 3.0V



PIN FUNCTION:

NO	SYMBOL	NO	SYMBOL
1.	/CS1	14.	VDD
2.	/RES	15.	VSS
3.	D/C	16.	VEE
4.	R/W	17.	C3N
5.	E/RD	18.	C1P
6.	DB0	19.	C1N
7.	DB1	20.	C2N
8.	DB2	21.	C2P
9.	DB3	22.	VL2
10.	DB4	23.	VL3
11.	DB5	24.	VL4
12.	DB6	25.	VL5
13.	DB7	26.	VL6



FEATURE

1. FSTN, Positive, Transflective
2. IC: Solomon SSD1815Z
3. 1/65Duty, 1/9Bias, 6 O'clock
4. Display dot: Black, Background: White

Pin NO	Symbol	Function
1	/CS1	Chip select inputs pins
2	/RES	Reset input pin
3	D/C	Register select input "H" : Display data, "L" : Control data
4	R/W	When 6800 series MPU, "H" : read, "L" : write
5	E/RD	8080: active low
6-13	DB7-DB0	When the serial interface selected (PS=L) D7: serial input data(SDA) D6: serial input clock(SCK) D5 to D0: high impedance. When ship select is no active, DB7 to DB0 will be high impedance.
14	VDD	Power supply
15	VSS	Power ground
16	VEE	Power supply
17	C3N	When internal DC-DC voltage converter is used, external capacitor is connected between these pins. Different connection will result in different DC-DC converter multiple factor, 2X, 3X or 4X.
18	C1P	
19	C1N	
20	C2N	
21	C2P	LCD driving voltages. They can be supplied externally or generated by the internal bias divider. They have the following relationship: VDD ≥ VL2 ≥ VL3 ≥ VL4 ≥ VL5 ≥ VL6
22	VL2	
23	VL3	
24	VL4	
25	VL5	
26	VL6	

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	46.0(W) × 38.7(H) × 1.7MAX(T)	mm
Viewing Area	43.0(W) × 23.2(H)	mm
Dot Size	0.27(W) × 0.27(H)	mm
Dot Pitch	0.29(W) × 0.29(H)	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Supply Voltage For Logic	VDD-VSS	-0.3	-	+4.0	V
Input Voltage	VIN	VSS-0.3	-	VDD+0.3	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	VIH	-	0.8VDD	-	VDD	V
	VIL		VSS	-	0.2VDD	
Output Voltage	VOH	IOH=-0.1mA	0.9VDD	-	VDD	V
	VOL	IOL=0.1mA	0	-	0.1VDD	
Current Consumption	IDD	VDD-VSS=3.0	-	0.36	1.0	mA
Supply Voltage For Logic	VDD-VSS	-	2.4	3.0	3.5	V
Supply Voltage For LCD	Vop=VDD-V6	Ta=25°C	9.0	9.5	10.0	V