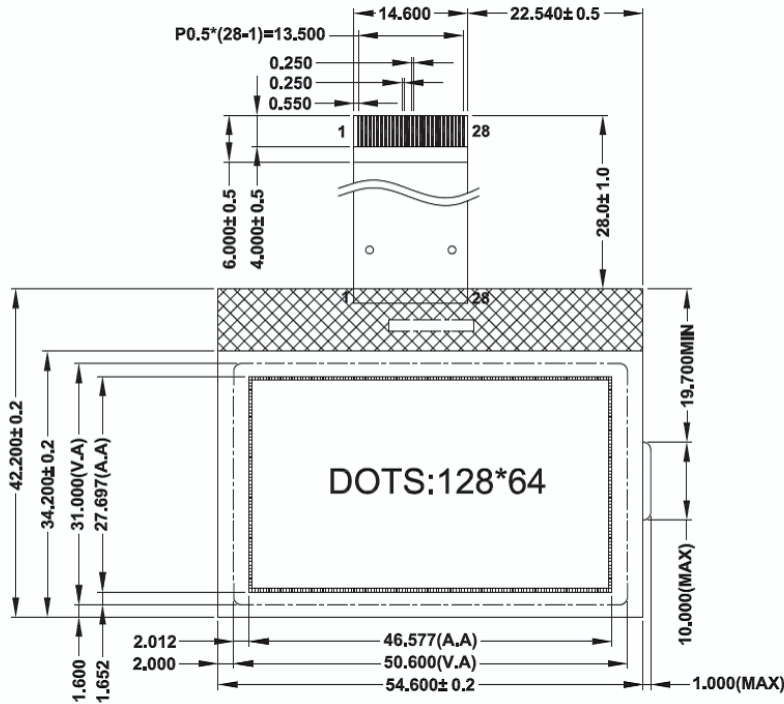
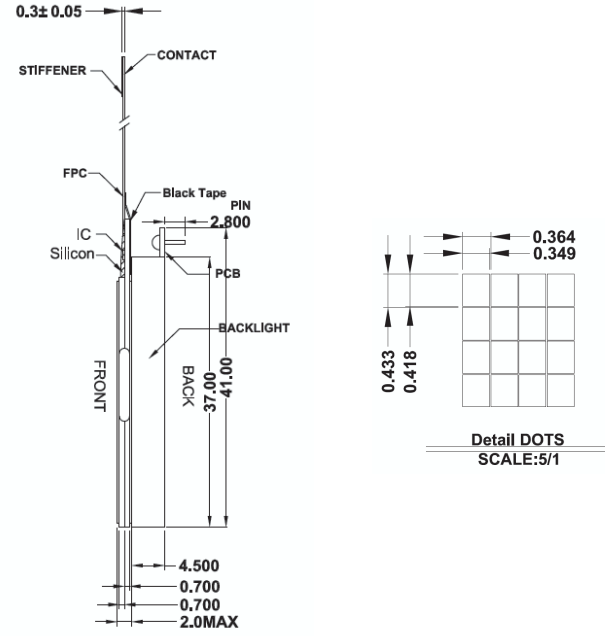


## MCCOG128064B



### KEY FEATURES

- Parallel or Serial data input
- Wide temperature range as standard



PIN ASSIGNMENT		
PIN	SYMBOL	FUNCTION
1	CS1	Chip Select
2	/RES	Reset signal
3	A0	Data Type Select
4	/WR	H: Read/ L: Write
5	/RD	Enable Clock Input
6-13	D0-D7	Data Bus Line
14	Vdd	Power Supply
15	Vss	GND
16	VOUT	Output Voltage
17	C3+	External Capacitors
18	C1-	
19	C1+	
20	C2+	
21	C2-	
22	V4	LCD Power supply
23	V3	LCD Power supply
24	V2	LCD Power supply
25	V1	LCD Power supply
26	V0	LCD Power supply
27	C86	MPU Interface
28	P/S	H: Parallel/ L: Serial

MECHANICAL SPECIFICATIONS		
DOT NUMBER	128W X 64H	—
OVERALL SIZE	54.6W X 42.2H	mm
VIEWING AREA	50.6W X 31.0H	mm
MOUNTING HOLE SPACING	NA	mm
DOT SIZE	0.34W X 0.41H	mm
DOT PITCH	0.43W X 0.36H	mm

ABSOLUTE MAXIMUM RATINGS				
ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY (LOGIC)	Vdd	-0.3	3.6	V
POWER SUPPLY (LCD)	V0	0.3	14.5	V
INPUT VOLTAGE	Vin	-0.3	Vdd +0.3	V

ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	CONDITION	STANDARD			UNIT
			MIN	TYP	MAX	
Input voltage	Vdd	+3.3V	---	3.3	---	V
Supply current	Idd	Vdd=3.3V	---	0.46	0.69	mA
Recommended LCD driving voltage for normal temp version module	Vdd-V0	0 °C	---	9.0	---	V
		25 °C	---	8.8	---	
		50 °C	---	8.1	---	
LED forward voltage	V <sub>F</sub>	25 °C	3.2	3.6	4.0	V
LED forward current	I <sub>F</sub>	25 °C	---	60	---	mA