



Snowdragon Industrial Co.,Ltd

DATA SHEET

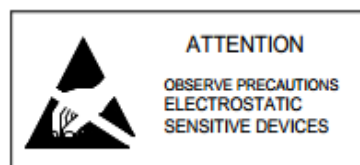
Modern NO.: SD-3361AX-Blue

ENG. NO.: 13101803

Features:

- *0.36 inch (9.2mm) DIGIT HEIGHT↵
- *CONTINUOUS UNIFORM SEGMENTS↵
- *LOW POWER REQUIREMENT↵
- *EXCELLENT CHARACTERS APPEARANCE↵
- *WIDE VIEWING ANGLE↵
- *SOLID STATE RELIABILITY↵

PREPARED BY	CHECKED BY	APPROVED BY
CUSTOMER APPROVED SIGNATURES		



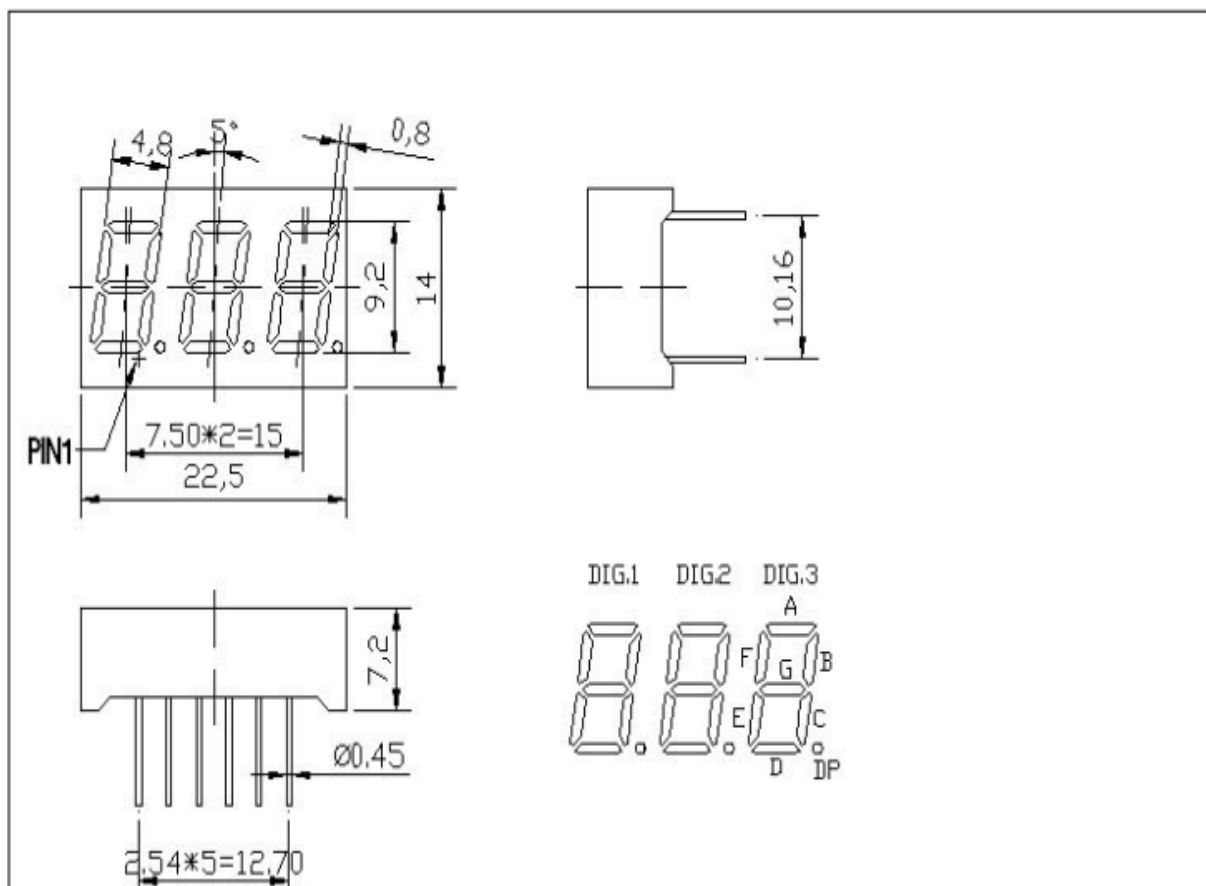
DESCRIPTION

- *The 0.36 inch (9.2mm) digit height 3 digit seven-segment icon display.
- *The device is single-color (blue) applicable display.
- *The device has a black face and white segments.

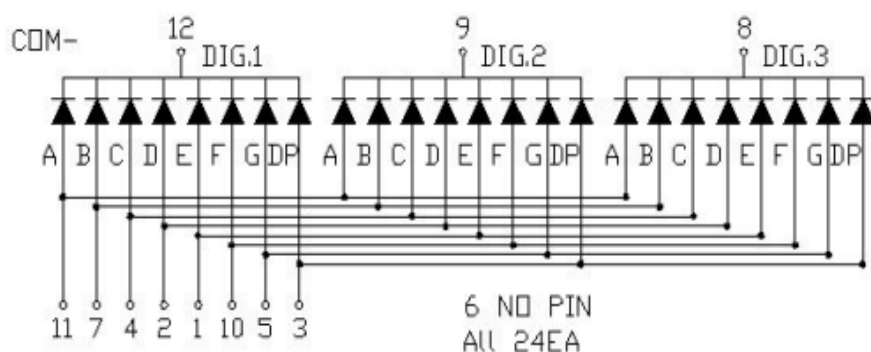
DEVICE

PART NO.	DESCRIPTION
BLUE	Multiplex Common Cathode
SD-3361 AX	

PACKAGE DIMENSIONS



INTERNAL CIRCUIT DIAGRAM



NOTES: All dimensions are in millimeters. Tolerances are $\pm 0.25\text{mm}$ unless otherwise noted.

ABSOLUTE MAXIMUM RATING

PARAMETER	SYMBOL	blue	UNIT
Power Dissipation Per Chip	P_d	87	mW
Peak Forward Current Per Chip (Frequency 1Khz, 10% duty cycle)	I_{fp}	100	mA
Continuous Forward Current Per Chip Derating Linear From 25°C Per Chip	I_F	25	mA
		0.33	mA/°C
Reverse Voltage Per Chip	V_R	5	V
Operating Temperature Range	T_A	-25°C to +85°C	
Storage Temperature Range	T_{stg}	-25°C to +85°C	

Solder Temperature: max 260°C for max 3 sec at 1.6mm below seating plane

ELECTRICAL/OPTICAL CHARACTERISTICS AT $T_a=25^\circ\text{C}$

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	TEST CONDITION
Average luminous intensity per segment	blue IV	/	/	/	mcd	If=10mA
		100	/	130		
		/	/	/		
Dominant wavelength	blue λ_d	/	/	/	nm	If=20mA
		466	/	470		
		/	/	/		
Spectral line half-width	blue $\Delta\lambda$	20			Nm	If=20mA
Forward voltage per chip	blue Vf	/	/	/	V	If=20mA
		/	3.0	3.5		
		/	/	/		
Reverse current per chip	I_r	10			uA	$V_r=5v$
Luminous intensity matching ratio	iv-m	2:1				If=10mA

Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commission Internationale De L'Eclairage) eye-response curve.