

0.56" SINGLE DIGIT LED DISPLAY

GD5643CPG

DESCRIPTION

0.56 (14.20mm) Inch Digit Height.

High Bright Green Display.

Low Current.

Pb Free.

All material Rohs compliant

Grey Face and White Segment Color.

Common Cathode.

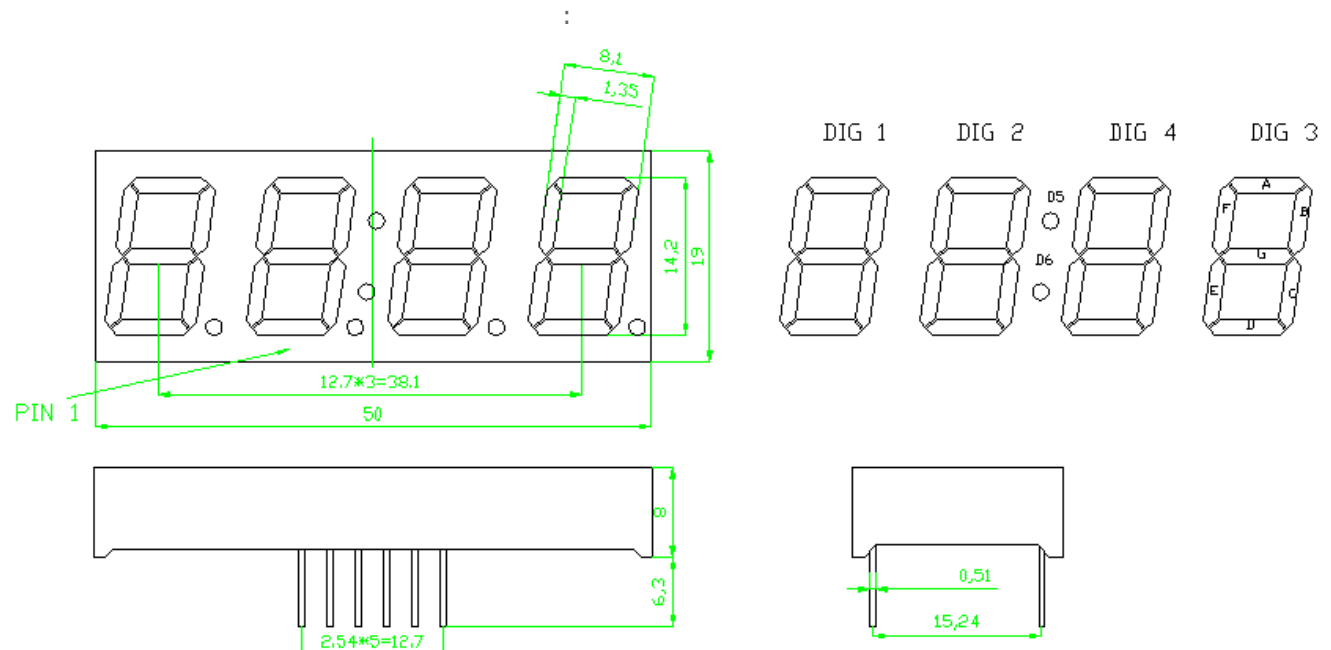
ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

Parameter		UNIT
Power Dissipation Per Seg.	25	mW
Peak Forward Current Per Seg.	100	mA
Continuous Forward current Per Seg.	20	mA
Derating Linear From 25°C Per Seg.	0.3	mA/°C
Reverse Voltage Per Seg.	5	V
Operation Temperature Range	-40°C TO+85°C	°C
Storage Temperature Range	-40°C TO+85°C	°C
Solder Temperature 1/16 Inch Below Seating Plane For 3 Second At 260 °C		

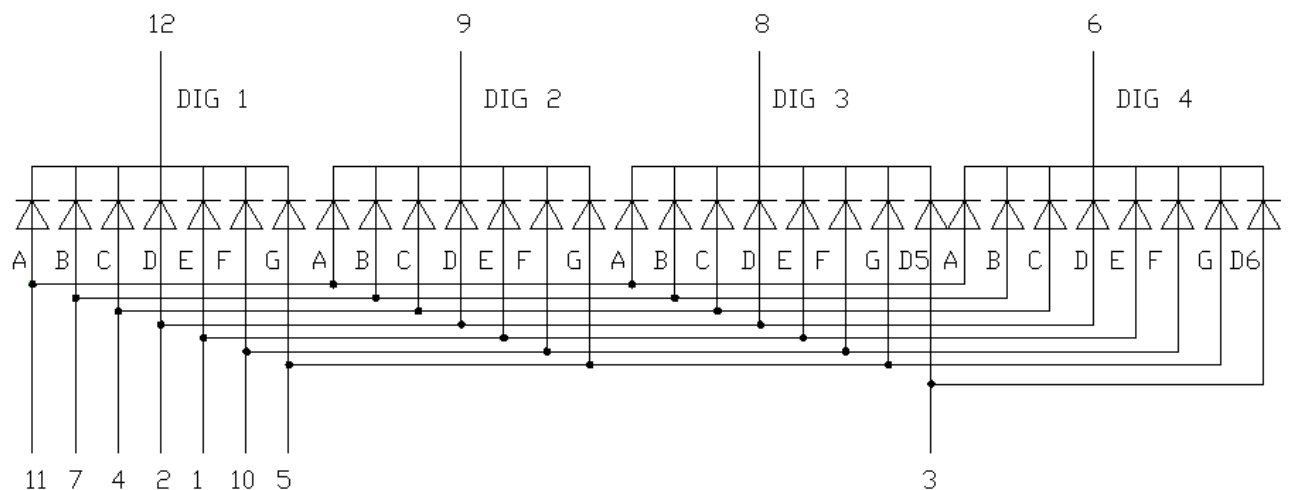
ELECTRO-OPTICAL CHARACTERISTICS/CHIP (Ta = 25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITION
Average Luminous Intensity About Dice	Iv	220	240		mcd	If=20mA
Peak Emission Wavelength	λ_p		517-520		nm	If=20mA
Spectral Line Half-Width	$\Delta \lambda$		5		nm	If=20mA
Forward Voltage And Seg.	Vf		3.0	3.29	V	If=20mA
Reverse Current Any Seg.	Ir			10	uA	Vr=5V
Luminous Intensity Matching Ratio	Iv-m			2 : 1		If=20mA

Reflector Dimensions



P.C.B. Pin Connection



Storage & Soldering Conditions

- Store with care. Storing the units in bad condition will cause the reflector sheet

and decrease its adhesive power. Storage the products under the condition:
temperature($25^{\circ}\text{C} \pm 10^{\circ}\text{C}$)and
humidity ($65^{\circ}\text{C CRH} \pm 20^{\circ}\text{C CRH}$) our recommendation.

- The Soldering Temperature is $260 \pm 5^{\circ}\text{C}$ and Soldering Time should be less than 3sec, and soldering iron power should be less than 30W.
- The soldering point should be farther than 1.6mm from body.