



Chetco Digital
Instruments, Inc.

Specification G24C, G24N



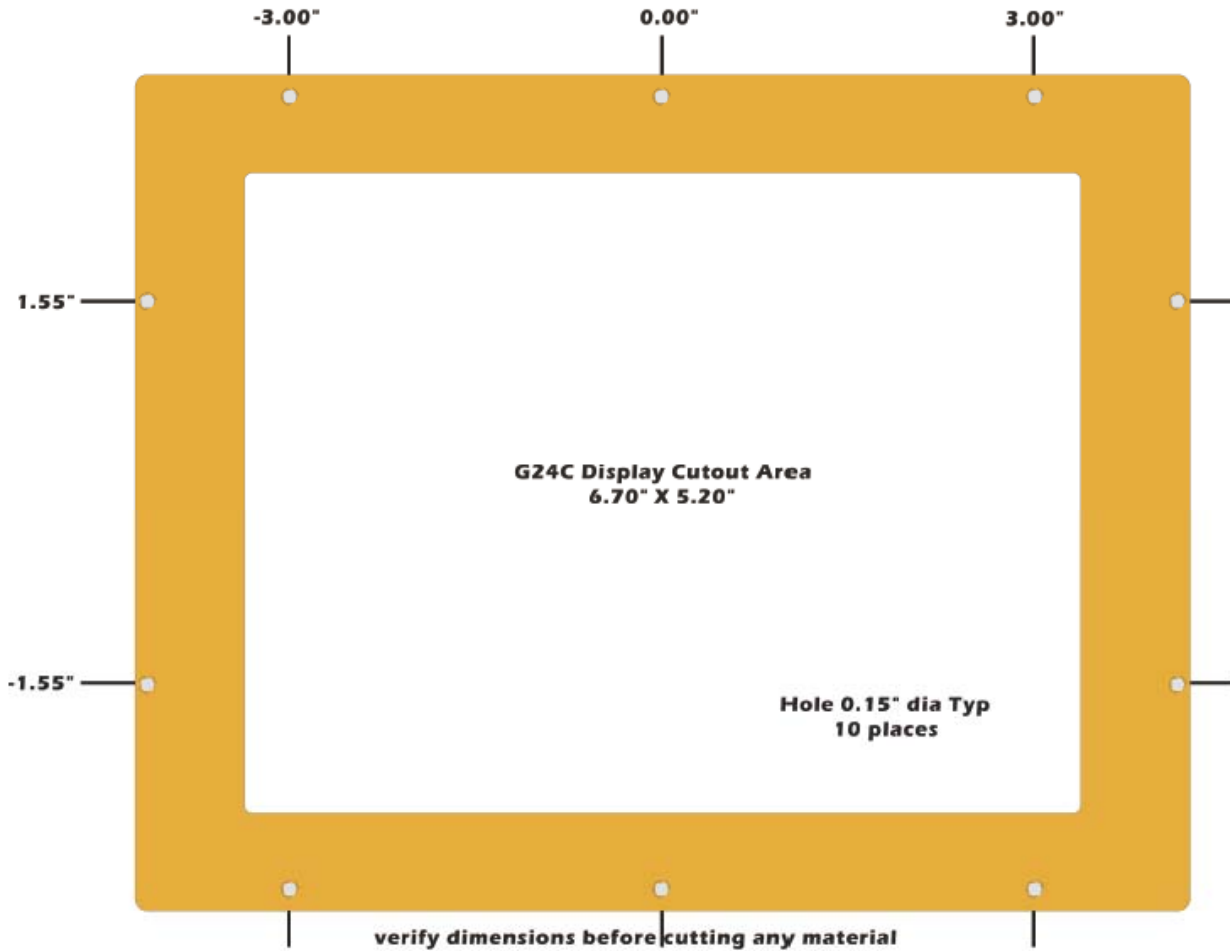
Dash Mount

**Powder Coated
Aluminum Bezel**



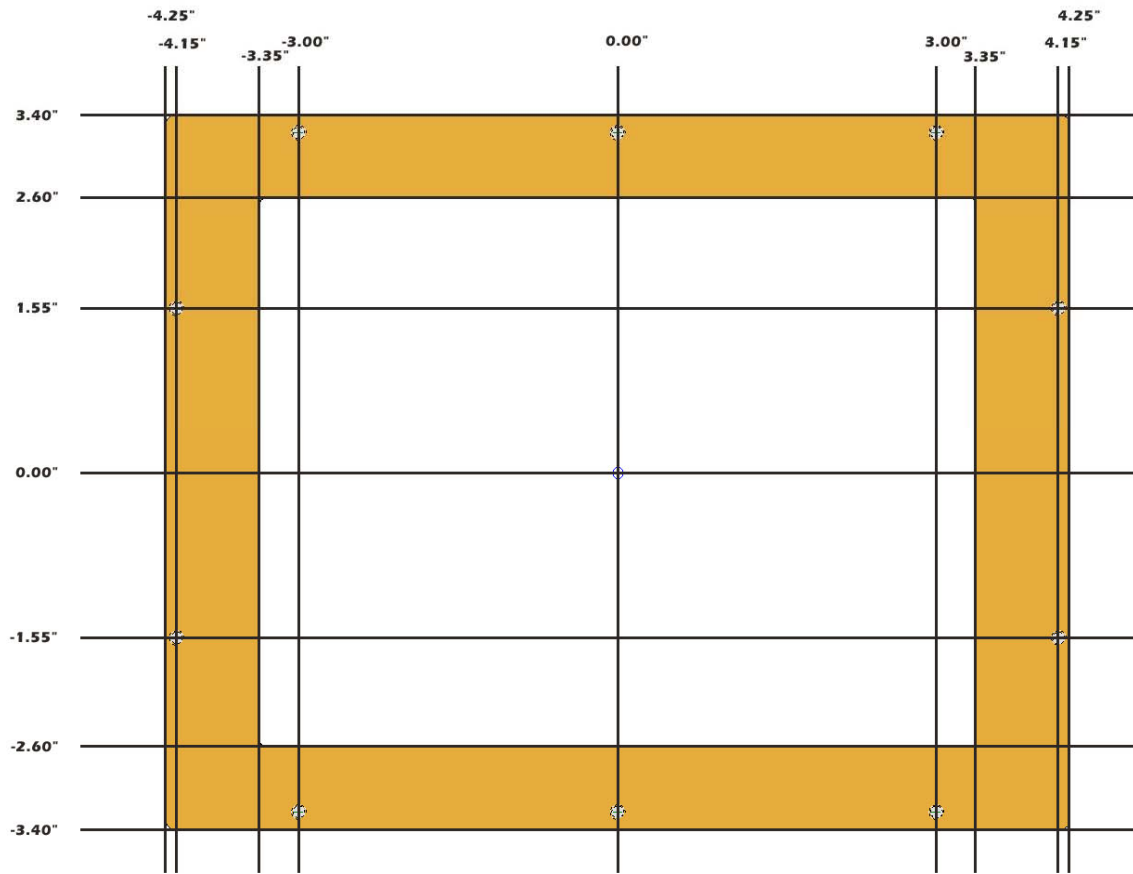


Cutout Dimensions and Bezel





Panel Dimensions and Bezel



G24C Panel Cutout and Mounting Hole dimensions (inches)

Overview

ITEM	SPECIFICATION
Display Area (mm)	170.9(H) × 128.2 (V) (8.4-inch diagonal)
Number of Dots	640 × 3 (H) × 480 (V)
Pixel Pitch (mm)	0.267 (H) × 0.267 (V)
Color Pixel Arrangement	RGB vertical stripe
Display Mode	Normally white
Number of Color	262k
Luminance (cd/m ²)	800
Viewing Angle (CR ≥ 10)	-80~80°(H), -60~80°(V)
Surface Treatment	Anti-glare and hard-coating 3H
Electrical Interface	CMOS
Viewing Direction	Higher Contrast ratio: 6 o'clock Less gray scale reversal: 12 o'clock
Module Size (mm)	199.5 (W) × 149.0 (H) × 11.5 (D)
Module Mass (g)	365
Backlight Unit	LED, edge-light, replaceable

Reliability Test Condition

(1) Temperature and Humidity

TEST ITEM	CONDITIONS
HIGH TEMPERATURE HIGH HUMIDITY OPERATION	40°C, 90%RH, 240 h (No condensation)
HIGH TEMPERATURE OPERATION	80°C, 240 h
LOW TEMPERATURE OPERATION	-30°C, 240 h
HIGH TEMPERATURE STORAGE	80°C, 240 h
LOW TEMPERATURE STORAGE	-30°C, 240 h
THERMAL SHOCK (NON-OPERATION)	-30°C (1h) ~ 80°C(1h), 100 cycles

(2) Shock & Vibration

ITEM	CONDITIONS
SHOCK (NON-OPERATION)	Shock level: 1470 m/s ² (150G) Waveform: half sinusoidal wave, 2 ms Number of shocks: one shock input in each direction of three mutually perpendicular axis for a total of six shock inputs
VIBRATION (NON-OPERATION)	Vibration level: 9.8 m/s ² (1.0G)(Zero to Peak) Waveform: sinusoidal Frequency range: 5 to 500 Hz Frequency sweep rate: 0.5 octave /min Duration: one sweep from 5 to 500 Hz in each of three mutually perpendicular axis(each x,y,z axis: 1 hour, total 3 hours)

(3) ESD Test

ITEM	CONDITIONS
CONTACT DISCHARGE (OPERATION)	150pF, 330Ω, ±8kV, 10 times at 1 sec interval
SIGNAL PIN DISCHARGE (NON-OPERATION)	200pF, 0Ω, ±200V, 10 times at 1 sec interval

(4) Judgment standard

The judgment of the above tests should be made as follow:

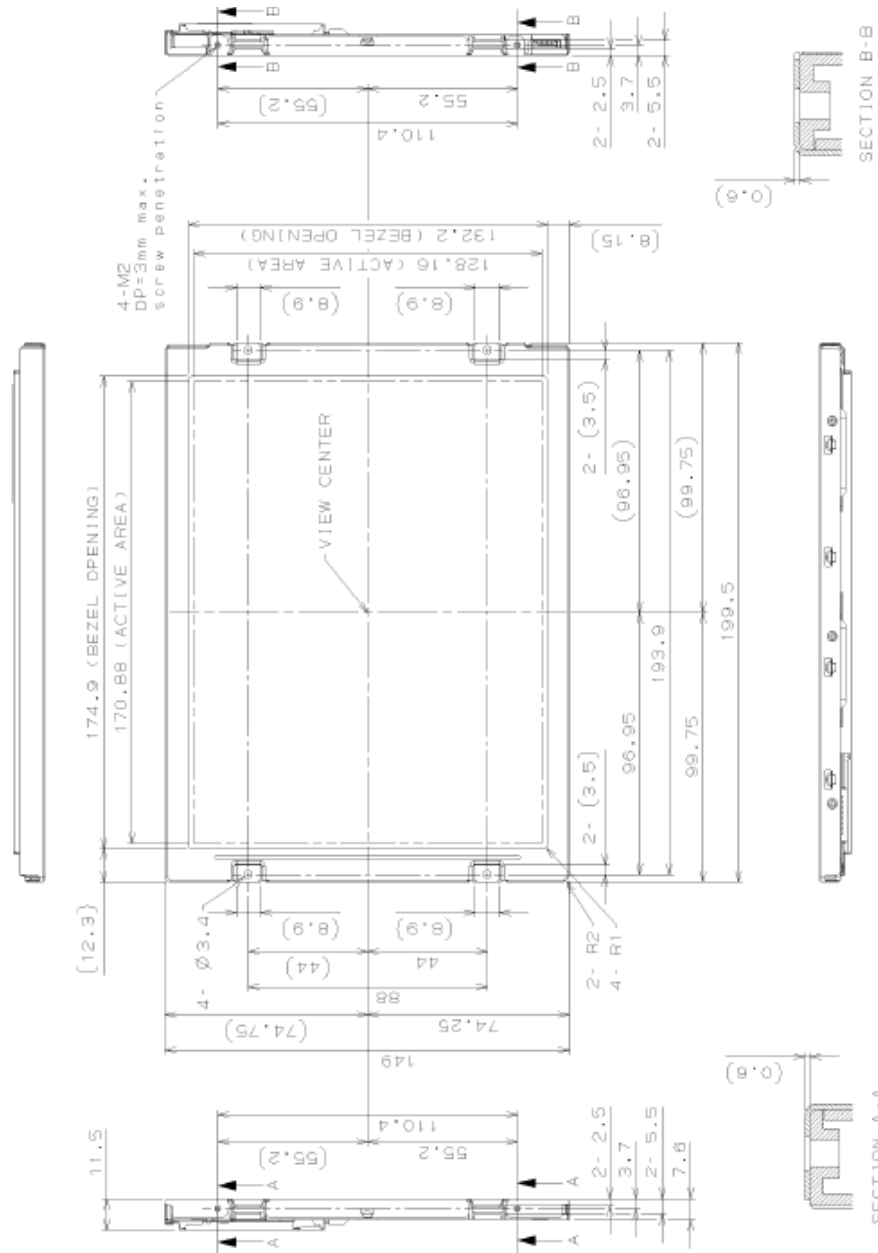
Pass: Normal display image, no damage of the display function. (ex. no line defect)

Partial transformation of the module parts should be ignored.

Fail: No display image, damage of the display function. (ex. line defect)



Dimension Specifications
Front



1) Tolerance is ±0.5mm unless noted.
2) Third angle projection

(Unit: mm)



Dimension Specifications
Rear

