2.0”QVGA (240RGB x 320)FFS TFT Module

Features

- Wide Viewing Angle Mode
  (Wide High-CR Area)
  (No Color/Gamma Shift)
- Thin LCD Module
- RoHS Compliant

Important
Specifications above are subject to change without notice.

Rev. a. 3 (2011/02/16)

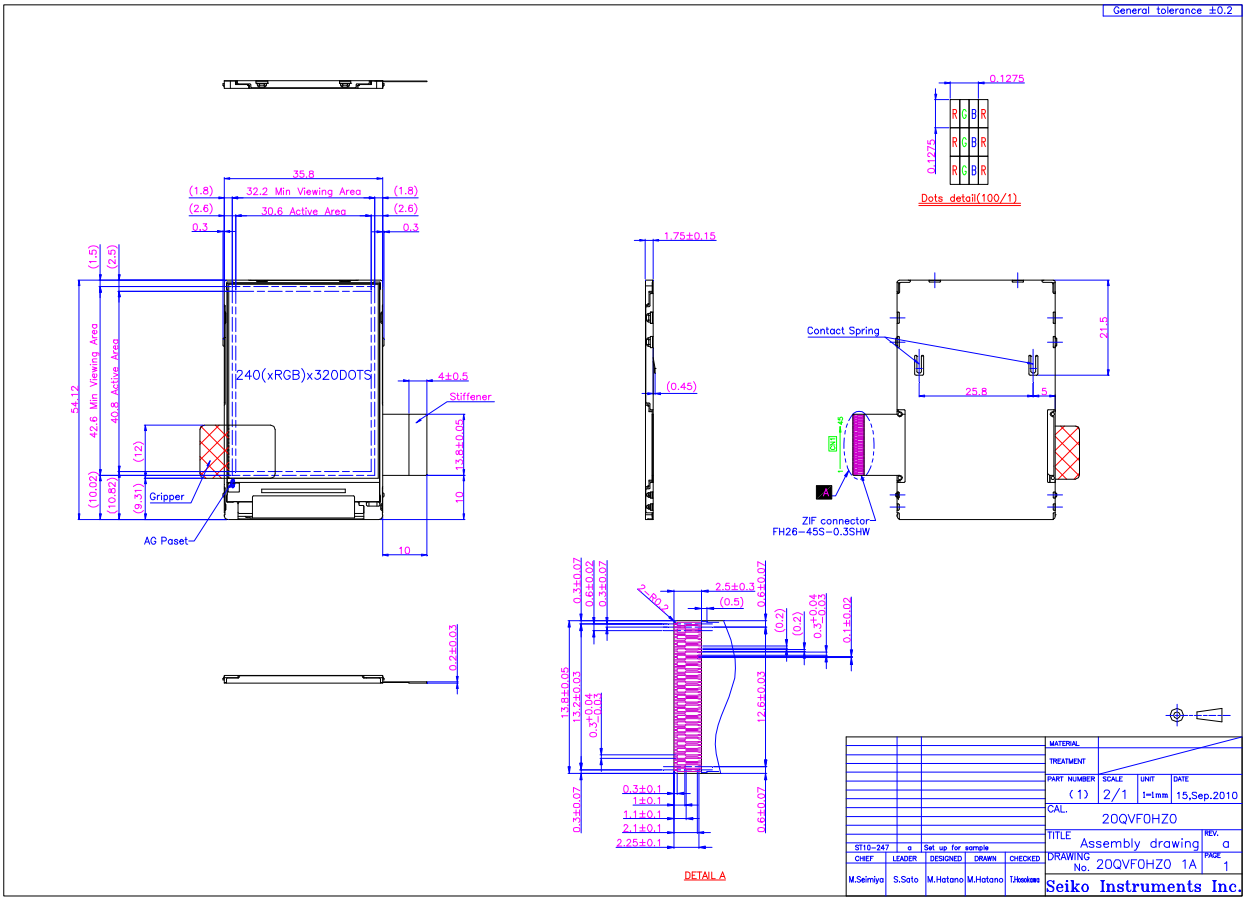
General Spec

Product Code	20QVF0H
Number of Pixel	240(RGB) x 320, RGB Vertical Stripe
Display Mode	a-Si TFT (FFS), Transmissive, Normally Black
Number of Color	262K colors
Active Area	30.6(W) x 40.8(H) mm (2.0”)
Dot Pitch	0.1275(W)(RGB) x 0.1275(H) mm (199dpi)
Module Size	35.8(W) x 54.12(H) x 1.75(T) mm (without FPC)
Weight	6.0 g Typ.
Interface	RGB(16/18bit)+SPI
Backlight	3LEDs Serial
Polarizer Surface	Clear Hard Coat
Operating Temp.	-20℃ to 70℃
Storage Temp.	-30℃ to 80℃

Optical and Electrical Spec

Contrast Ratio	800 : 1 Typ.
Luminance	350cd/m2 Typ. (IL=20mA)
NTSC Ratio	70% Typ.
Viewing Angle(U/D/R/L)	80/80/80/80 (@CR≧10)
Response Time	35ms Typ. (@25℃)
Driver IC	R61505W (Renesas)
Input Voltage	VDD(IO):1.35-3.3V, VCI(Analog): 2.5-3.3V
Power Consumption	(36)mW Typ.(LCD), (92)mW Typ.(Backlight) DVDD=1.8V,AVDD=2.85 All White Pattern

Outline Dimension



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We value the "takumi" spirit.