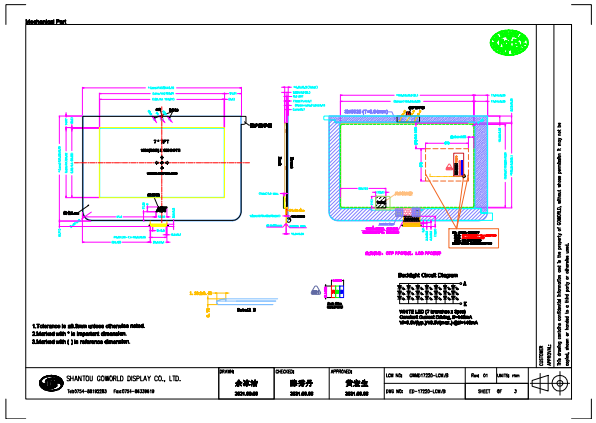
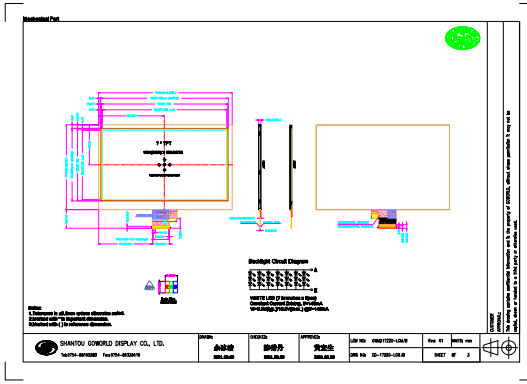
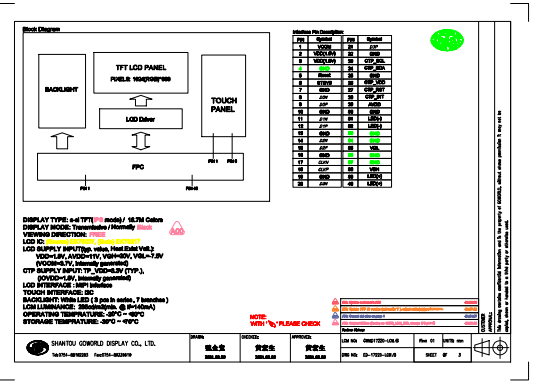
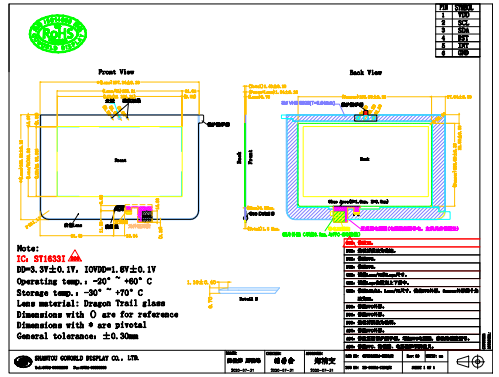

Mechanical Part
Backlight Circuit Diagram
SHANTOU GOWORLD DISPLAY CO., LTD.


Mechanical Part
Backlight Circuit Diagram
SHANTOU GOWORLD DISPLAY CO., LTD.


Block Diagram
BACKLIGHT
TFT LCD PANEL
LCD Driver
TOUCH PANEL
FPC
Interface Pin Description
DISPLAY TYPE: e-ai TFT(TFT mode) / 16.7M Colors
DISPLAY MODE: Transmissive / Normally Black
VIEWING DIRECTION: FREE
LCD ID:
LCD SUPPLY MPUT(Typ. value, Heat Exist Volt.)
VDD=1.8V, AVDD=11V, VGH=30V, VGL=-7.5V
(VCOM=3.7V, Intensity generated)
CTP SUPPLY INPUT: TP_VDD=3.3V (TYP.).
(DVDD=1.8V, Intensity generated)
LCD INTERFACE : MPI Interface
TOUCH INTERFACE: I2C
BACKLIGHT: White LED (8 pcs in series, 7 branches)
LCM LUMINANCE: 250cd/m2(min. @ IF=140mA)
OPERATING TEMPRATURE: -20°C ~ +60°C
STORAGE TEMPRATURE: -30°C ~ +70°C
NOTE:
WITH "Q" PLEASE CHECK
SHANTOU GOWORLD DISPLAY CO., LTD.


Front View
Back View
Note:
IC: ST16331
DD=3.3V±0.1V, IOVDD=1.8V±0.1V
Operating temp.: -20° ~ +60° C
Storage temp.: -30° ~ +70° C
Lens material: Dragon Trail glass
Dimensions with O are for reference
Dimensions with * are pivotal
General tolerance: ±0.30mm
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