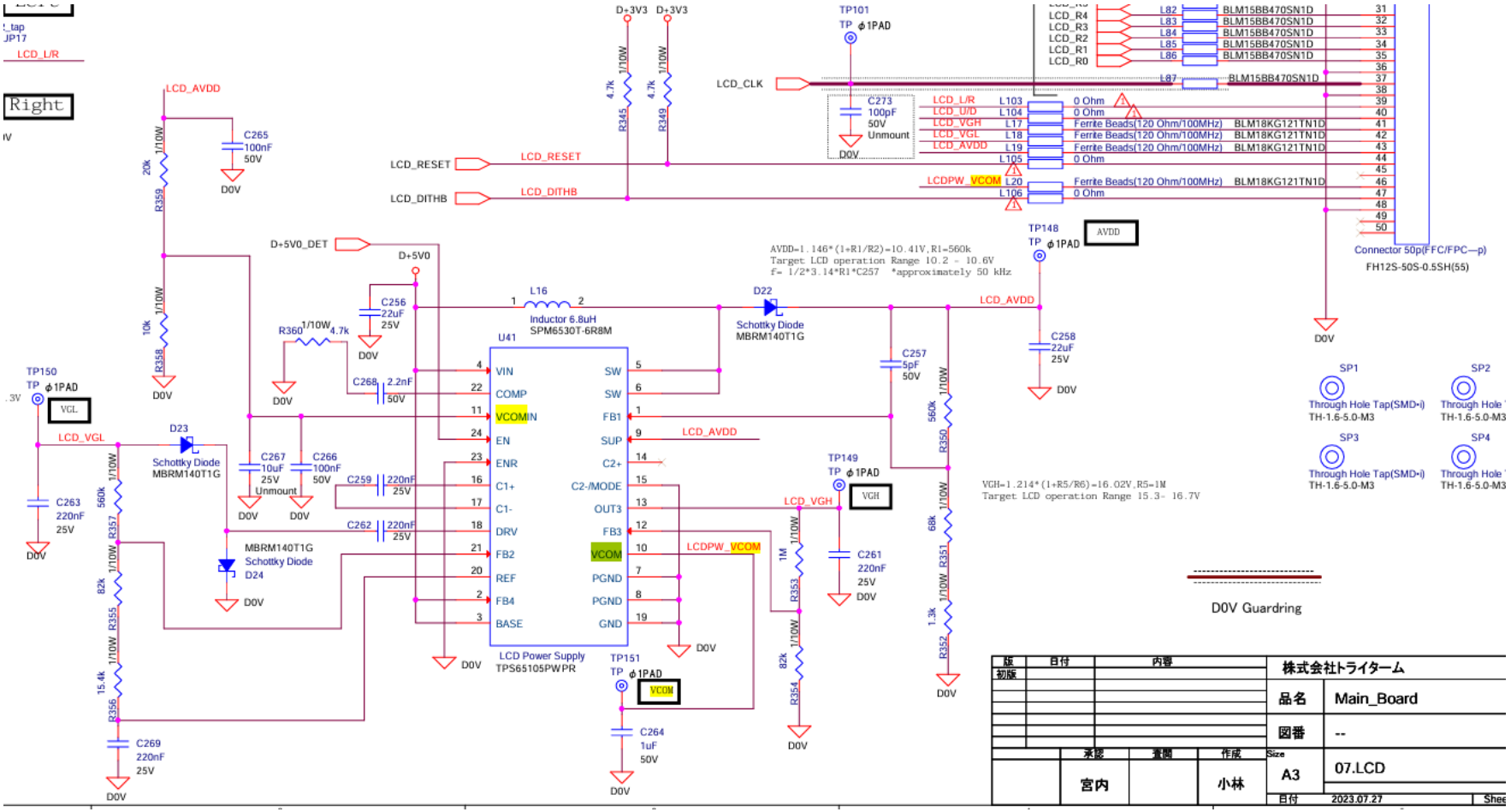
LCD_L/R
Right
LCD_AVDD
C265 100nF 50V
R359 20k 1/10W
R358 10k 1/10W
D0V
D+3V3
R345 4.7k 1/10W
R349 4.7k 1/10W
TP101 TP φ1PAD
LCD_CLK
C273 100pF 50V Unmount
LCD_RESET
LCD_DITHB
LCD_R4 L82 BLM15BB470SN1D
LCD_R3 L83 BLM15BB470SN1D
LCD_R2 L84 BLM15BB470SN1D
LCD_R1 L85 BLM15BB470SN1D
LCD_R0 L86 BLM15BB470SN1D
L87 BLM15BB470SN1D
LCD_L/R L103 0 Ohm
LCD_U/D L104 0 Ohm
LCD_VGH L17 Ferrite Beads(120 Ohm/100MHz) BLM18KG121TN1D
LCD_VGL L18 Ferrite Beads(120 Ohm/100MHz) BLM18KG121TN1D
LCD_AVDD L19 Ferrite Beads(120 Ohm/100MHz) BLM18KG121TN1D
L105 0 Ohm
LCDPW_VCOM L20 Ferrite Beads(120 Ohm/100MHz) BLM18KG121TN1D
L106 0 Ohm
Connector 50p(FFC/FPC—p)
FH12S-50S-0.5SH(55)
D+5V0_DET
D+5V0
C256 22uF 25V
R360 1/10W 4.7k
C268 2.2nF 50V
L16 Inductor 6.8uH SPM6530T-6R8M
D22 Schottky Diode MBRM140T1G
AVDD=1.146*(1+R1/R2)=10.41V,R1=560k
Target LCD operation Range 10.2 - 10.6V
f= 1/2*3.14*R1*C257 *approximately 50 kHz
TP148 TP φ1PAD AVDD
C258 22uF 25V
C257 5pF 50V
R350 560k 1/10W
R351 68k 1/10W
R352 1.3k 1/10W
U41
VIN SW
COMP SW
VCOMIN FB1
EN SUP
ENR C2+
C1+ C2-/MODE
C1- OUT3
DRV FB3
FB2 VCOM
REF PGND
FB4 PGND
BASE GND
LCD Power Supply TPS65105PWPR
TP150 TP φ1PAD VCL
LCD_VGL
D23 Schottky Diode MBRM140T1G
C263 220nF 25V
R357 560k 1/10W
R355 82k 1/10W
R356 15.4k 1/10W
C269 220nF 25V
C267 10uF 25V Unmount
C266 100nF 50V
C259 220nF 25V
C262 220nF 25V
MBRM140T1G Schottky Diode D24
TP149 TP φ1PAD VGH
LCD_VGH
R353 1M 1/10W
R354 82k 1/10W
C261 220nF 25V
TP151 TP φ1PAD VCOM
LCDPW_VCOM
C264 1uF 50V
VGH=1.214*(1+R5/R6)=16.02V,R5=1M
Target LCD operation Range 15.3- 16.7V
SP1 Through Hole Tap(SMD-i) TH-1.6-5.0-M3
SP2 Through Hole TH-1.6-5.0-M3
SP3 Through Hole Tap(SMD-i) TH-1.6-5.0-M3
SP4 Through Hole TH-1.6-5.0-M3
D0V Guardring
版 初版
日付
内容
株式会社トライターム
品名 Main_Board
図番 --
承認 宮内
重圏
作成 小林
Size A3
07.LCD
日付 2023.07.27