R10 33
R
2 1

R11 33
R
2 1

R13 33
R
2 1

IC3
THS7316D
SOIC127P600X175-8N

1	CH. 1 IN	CH. 1 OUT	8
2	CH. 2 IN	CH. 2 OUT	7
3	CH. 3 IN	CH. 3 OUT	6
4	V S+	GND	5

+3V3
+3V3

C13
0.1uF

GND

330uF
C9
+
C6
0.1uF

R5
R
2 1

R6
R
1
2

GND

R_RGB

330uF
C11
+
C10
0.1uF

R5
R
2 1

R8 75
R
1
2

GND

G_RGB

330uF
C16
+
C12
0.1uF

R5
R
2 1

R7
R
1
2

GND

B_RGB

R_RGB
G_RGB
B_RGB

_HSYNC_RGB

R5 75
R
2 1

_VSYNC_RGB

R4 75
R
2 1

1	Red
2	Green
3	Blue
4	NC
5	GND
6	RGND
7	GGND
8	BGND
9	KEY/+5
10	SGND
11	NC
12	SDA
13	HSYNC/CSYNC
14	VSYNC
15	SCL
16	FG
17	FG

CONN5
Dsub15Female
DIL

GND

E	D	C	B	A	Drawn	Check	Projection Do Not Scale			(c) 2022 Takuya Fukuda, @kitahei88	
Drn	Drn	Drn	Drn	Project SKGC			Client				
Chk	Chk	Chk	Chk	Title RGB			Filename			Drawing No. 3	Sheet of