# PROJECT FUNCTION

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| SN | Function content |
|----|------------------|
| 1 | Check double sensors for hi3518c. |

# PROJECT FILE

| SN | FILE |
|----|------|
| 1 | HI3518C+OV9712_NVT_E01IP*-DOUBLE-SEN_SCH_CADENCE16-5 |
| 2 | |

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NetView Technologies (Shenzhen) Co.,Ltd.

| Title | double sensors for hi3518c | | |
|-------|------|------|------|
| Size A3 | Document Number Double sensors | Department H R&D | Designer Stone.Feng | Rev E |
| Date: Tuesday, March 03, 2015 | | Sheet 1 of 3 | |

# NETVIEW

## Revision

| Date | Rev | Description/Change List | Page | Date | Rev | Description/Change List | Page |
|------|-----|-------------------------|------|------|-----|-------------------------|------|
| 17.07.17 | A | First create base on E01IPB;<br>remove LDO 3.3V cover to 1.5V<br>remove pin M1 and M2 in CON303 | ALL | | | | |
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| Date: | Tuesday, March 03, 2015 | Sheet 2 of 3 | | |

U301
U301 night vision
OV9712

+3V3  AVDD
C321 C301  C302 C303 C304
10uF 0.1uF  10uF 0.1uF 0.1uF

+1V5  E5  DVDD
+3V3  E1  DOVDD
E3  DGND

LEN301
2 2    1 1
3 3    4 4
LEN_JACK_8X8

B3  SIOD  IIC_SDA
B4  SIOC  IIC_SCL

B6  HREF  VIU_HS
B5  VSYNC  VIU_VS

AVDD
A4  AVDD0
A1  AVDD1

C1  VREFH
B1  VREFN

C305 C306
0.1uF 0.1uF

A2  AGND2
A5  AGND3

D3  PCLK  VIU_CLK
D4  Y0  VIU_DAT0
E4  Y1  VIU_DAT1
D2  Y2  VIU_DAT2
D5  Y3  VIU_DAT3
E2  Y4  VIU_DAT4
C6  Y5  VIU_DAT5
C2  Y6  VIU_DAT6
D6  Y7  VIU_DAT7
D1  Y8  VIU_DAT8
E6  Y9  VIU_DAT9
A6  XCLK  SENSOR_CLK
C3  RSTB  RST_N

B2  PWDN  PWDN_01
A3  TM
R301 R302
10K  10K

U303
U303 day vision
OV9712

+3V3  AVDD
C320 C316  C313 C314 C315
10uF 0.1uF  10uF 0.1uF 0.1uF

+1V5  E5  DVDD
+3V3  E1  DOVDD
E3  DGND

LEN302
2 2    1 1
3 3    4 4
LEN_JACK_8X8

B3  SIOD  IIC_SDA
B4  SIOC  IIC_SCL

B6  HREF  VIU_HS
B5  VSYNC  VIU_VS

AVDD
A4  AVDD0
A1  AVDD1

C1  VREFH
B1  VREFN

C311 C312
0.1uF 0.1uF

A2  AGND2
A5  AGND3

D3  PCLK  VIU_CLK
D4  Y0  VIU_DAT0
E4  Y1  VIU_DAT1
D2  Y2  VIU_DAT2
D5  Y3  VIU_DAT3
E2  Y4  VIU_DAT4
C6  Y5  VIU_DAT5
C2  Y6  VIU_DAT6
D6  Y7  VIU_DAT7
D1  Y8  VIU_DAT8
E6  Y9  VIU_DAT9
A6  XCLK  SENSOR_CLK
C3  RSTB  RST_D

B2  PWDN  PWDN_02
A3  TM
R305 R304
10K  10K

+3V3  U302  +1V5
3  VIN  VOUT  2
VSS
XC62FP1502MR
C307  C308 C309 C317 C318
10uF  10uF 0.1uF 10uF 0.1uF

+3V3  AVDD
R306  4.7R

R307  0R
D301
+5V0  CDS
SFH3711

CON303
M1
M2
1  +3V3
2  +5V0
3
4  SENSOR_CLK
5  IIC_SCL
6  IIC_SDA
7  VIU_HS
8  VIU_VS
9  VIU_CLK
10  VIU_DAT0
11  VIU_DAT1
12  VIU_DAT2
13  VIU_DAT3
14  VIU_DAT4
15  VIU_DAT5
16  VIU_DAT6
17  VIU_DAT7
18  VIU_DAT8
19  VIU_DAT9
20  PWDN_01
21  PWDN_02
22  CDS
CON22_0.5mm_SMT_LIE

+5V0  U304  AVDD
3  VIN  VOUT  2
VSS
NC/XC62FP3302MR
C322  C323
NC/10uF  NC/10uF

+3V3  R303  10K  RST_N
C310  0.1uF

+3V3  R308  10K  RST_D
C319  0.1uF

MT301
1
1

MT302
1
2

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Title
double sensors for hi3518c

Size  Document Number          Department  Designer     Rev
A4    Double sensors           H R&D       Stone.Feng   E

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