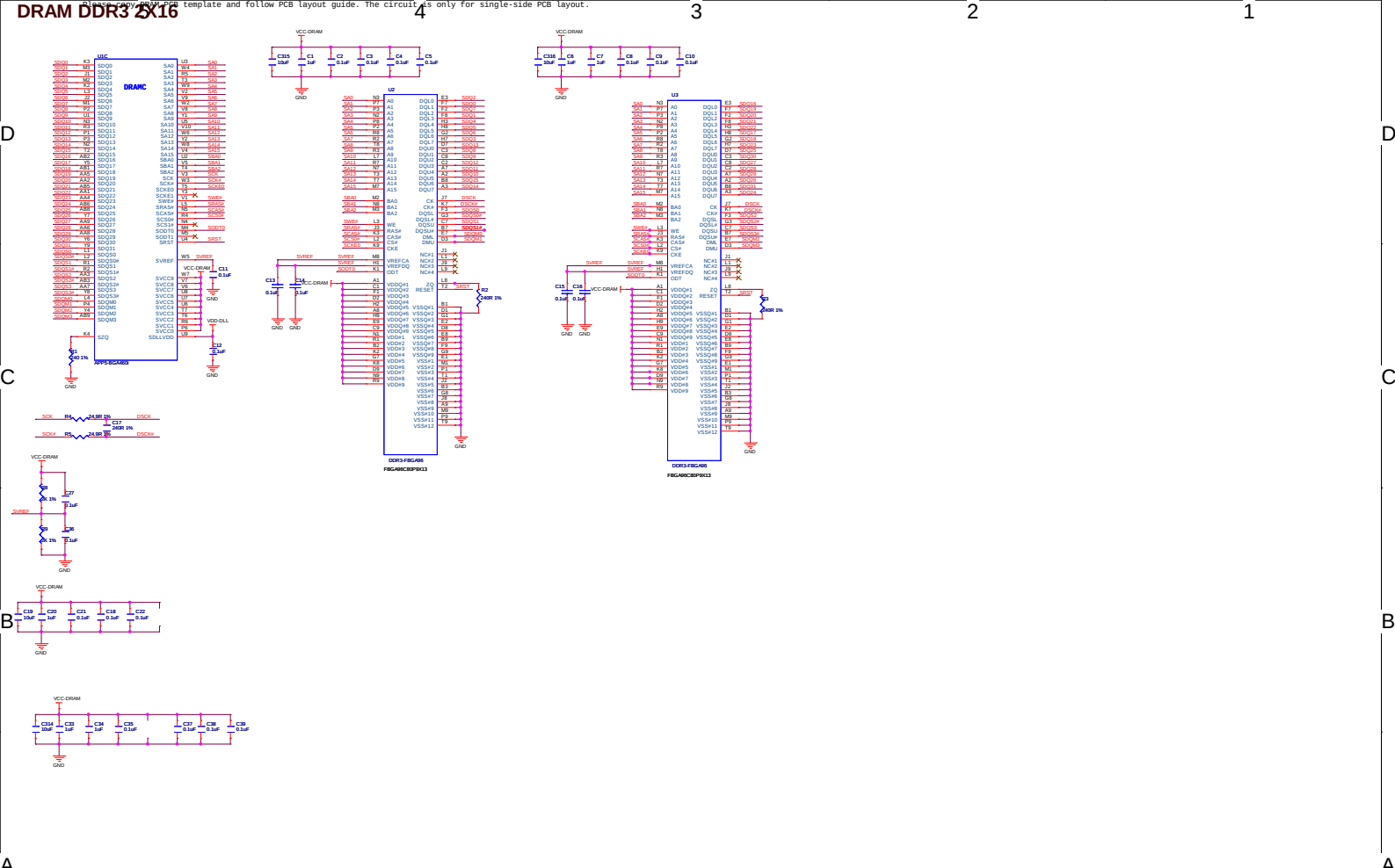
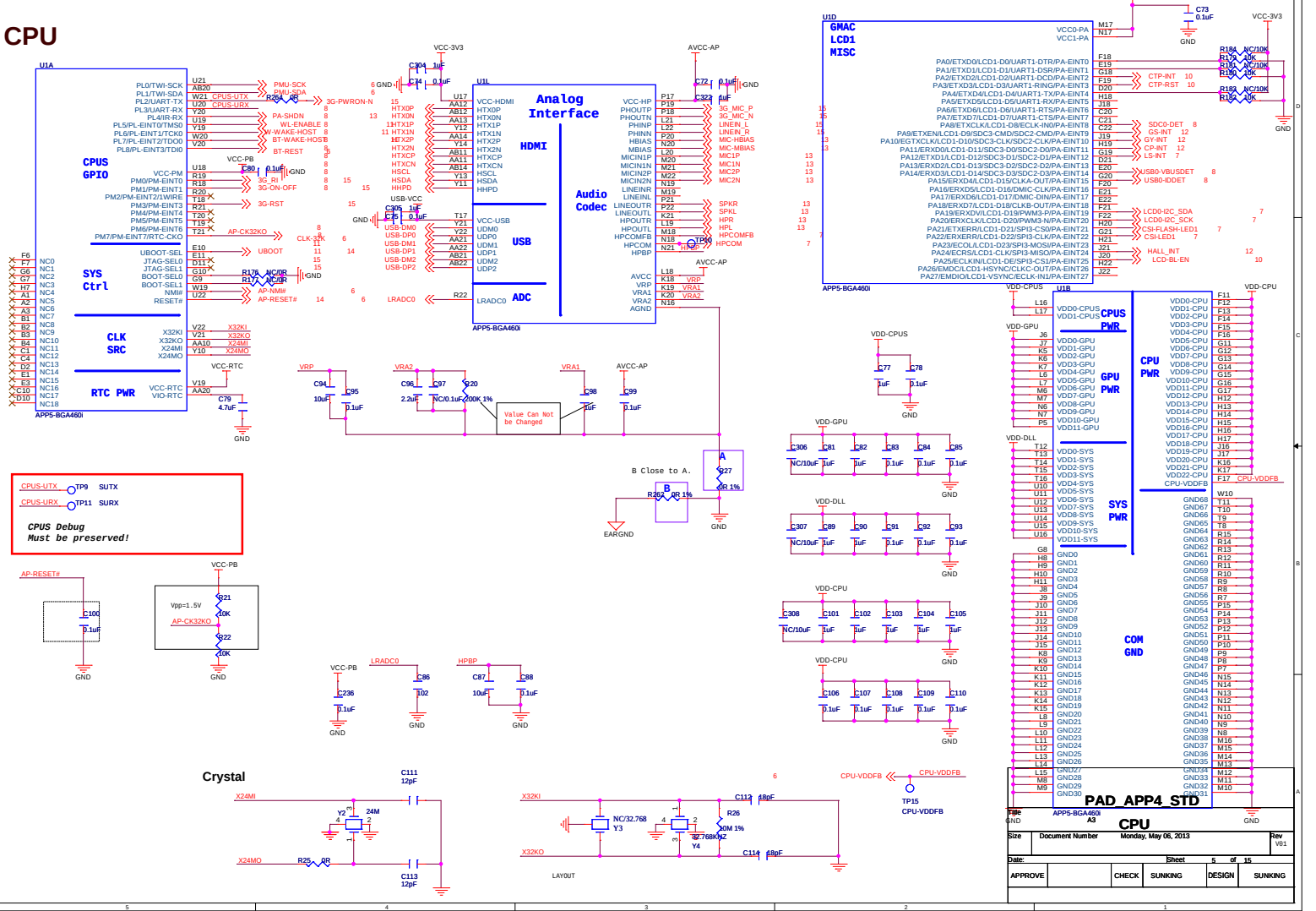


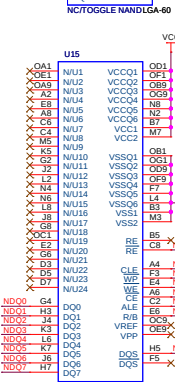
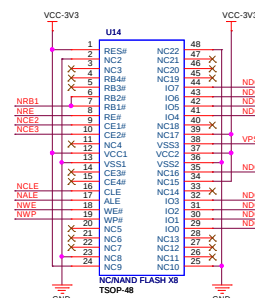
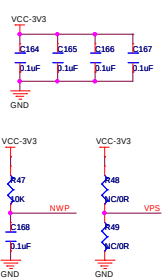
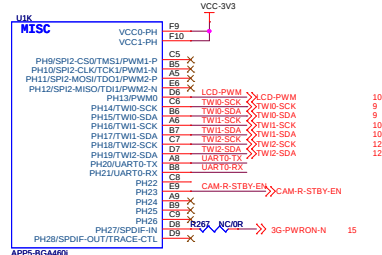
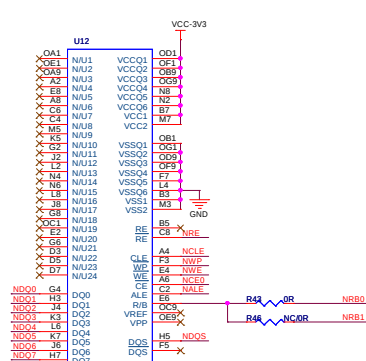
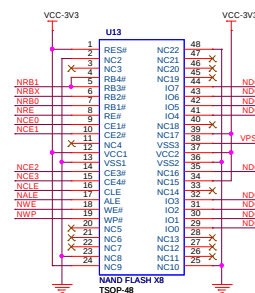
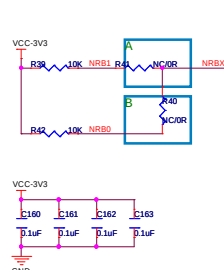
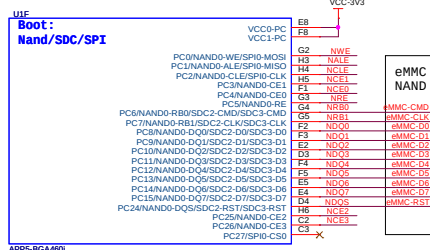


CPU

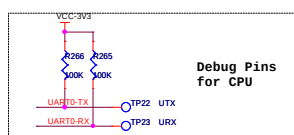
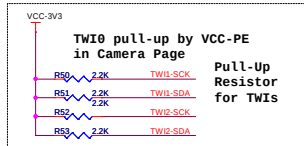


| PAD APP4 STD |                 |                      |         |
|--------------|-----------------|----------------------|---------|
| File         | APP5-BGA460     | CPU                  |         |
| Size         | Document Number | Monday, May 01, 2013 | Rev V01 |
| Date:        |                 | Sheet 5 of 15        |         |
| APPROVE      | CHECK           | SUNWING              | DESIGN  |
|              |                 | SUNWING              |         |

## NAND



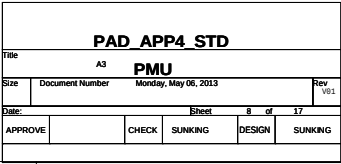
| TSSOP CE Count(1) | Resistor A | Resistor B |
|-------------------|------------|------------|
| 1                 | Disconnect | Disconnect |
| 2                 | Connect    | Disconnect |
| 4                 | Disconnect | Connect    |



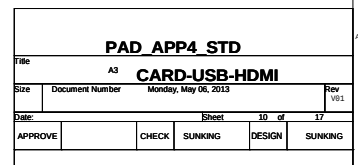
- (1) TSSOP CE Count: Chip Select Count of one TSSOP Nand Flash, can 1
- (2) Refer to the Datasheet of Nand Flash to determine VPS should be
- (3) Both Toggle NAND and TSOP NAND can be layout together.

|                   |                 |                      |         |
|-------------------|-----------------|----------------------|---------|
| Date 1/2/4.       |                 | <b>PAD APP4 STD</b>  |         |
| Fallt-up or down. |                 | <b>A3</b>            |         |
| <b>NAND</b>       |                 |                      |         |
| Size              | Document Number | Monday, May 06, 2013 | Rev v61 |
| Date:             |                 | Sheet                | 7 of 15 |
| APPROVE           | CHECK           | SUNLING              | SUNLING |

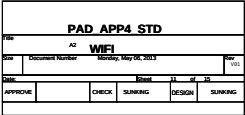
DC-IN-5V-2a TP16



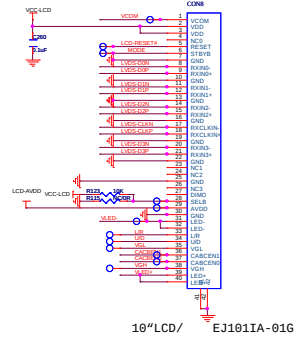
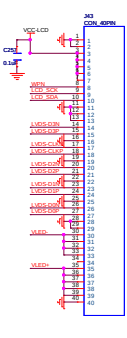
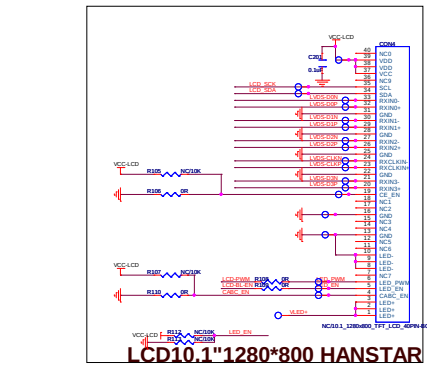
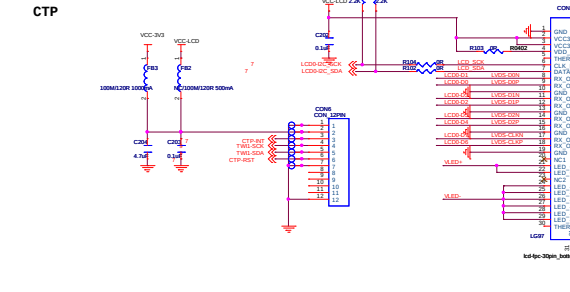
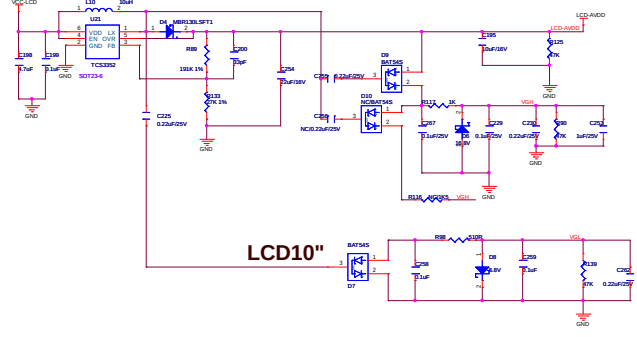
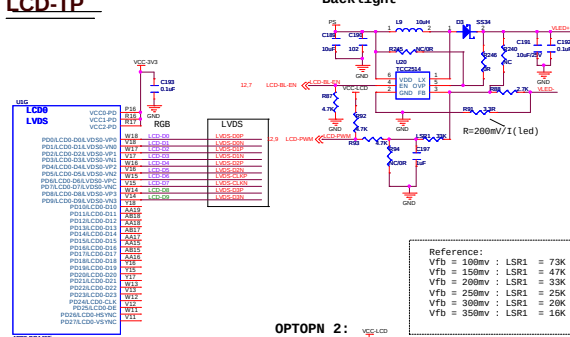
## USB



[illegible]



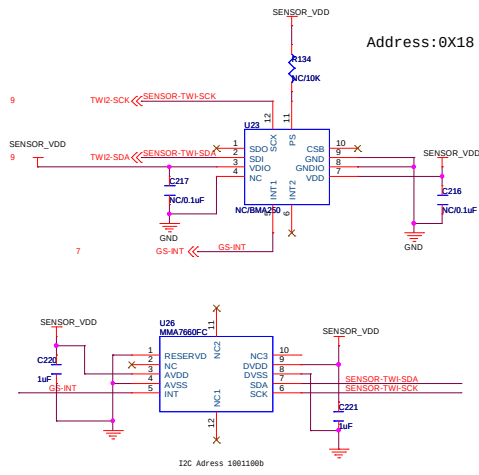
LCD-TP



| PAD APP4 STD                          |       |        |        |        |  |
|---------------------------------------|-------|--------|--------|--------|--|
| A2 LCD                                |       |        |        |        |  |
| Document Number: Monday, May 18, 2015 |       |        |        |        |  |
| APPROVE                               | CHECK | SUNING | DESIGN | SUNING |  |

## 3D G-Sensor

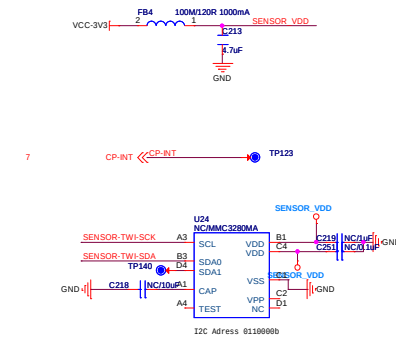
## SENSORS



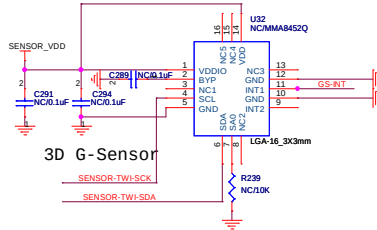
G-SENSOR IC and screen placed in parallel,  
G-SENSOR was placed in the top left of the  
screen, PIN1 is placed in the top right.

## Magnetic Sensor

Address: 0X0D



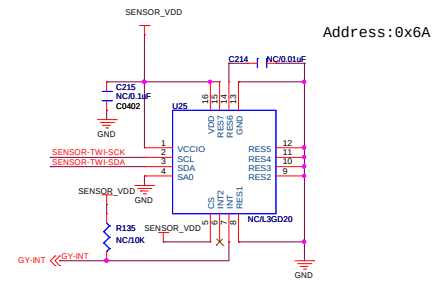
## 3D G-Sensor



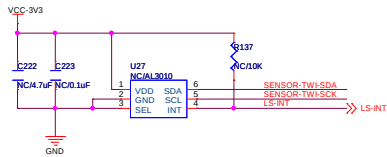
## 3-Axis Gyroscope

## Gyroscope

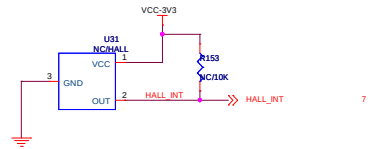
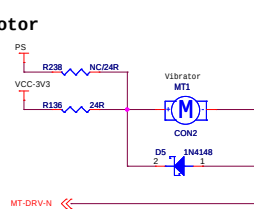
Address: 0x6A



## Light Sensor



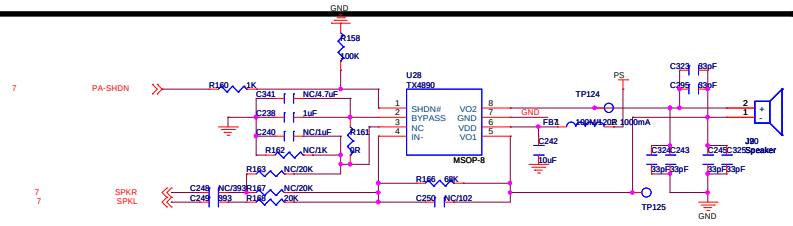
## Motor



## PAD APP4 STD

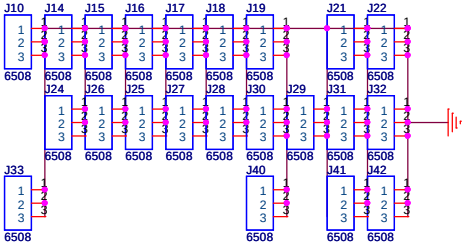
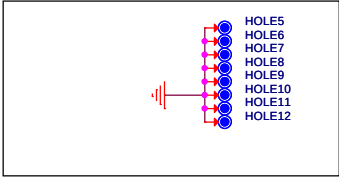
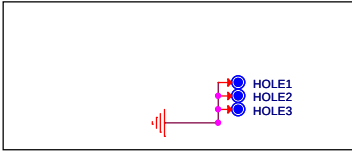
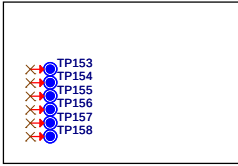
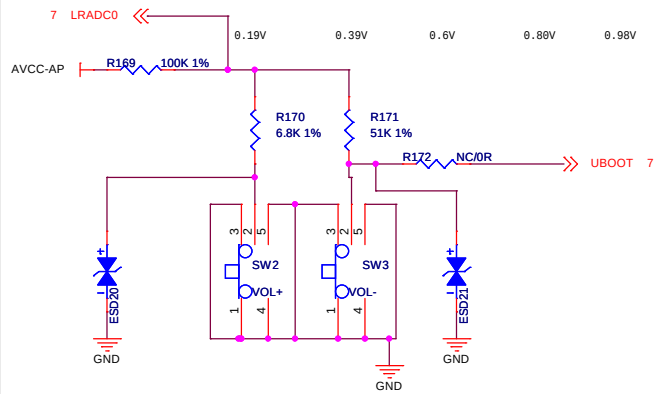
| Title   |                 |                      |        |     |
|---------|-----------------|----------------------|--------|-----|
| A3      |                 |                      |        |     |
| SENSORS |                 |                      |        |     |
| Size    | Document Number | Monday, May 06, 2013 |        | Rev |
|         |                 |                      |        | 01  |
| Date    |                 |                      |        |     |
| Sheet   |                 | 14                   | of     | 17  |
| APPROVE |                 |                      |        |     |
| CHECK   | SUNING          | DESIGN               | SUNING |     |

## AUDIO IN/OUT



|                     |                 |                      |        |          |
|---------------------|-----------------|----------------------|--------|----------|
| <b>PAD APP4 STD</b> |                 |                      |        |          |
| Title               | A3              | <b>AUDIO IN/OUT</b>  |        | Rev      |
| Size                | Document Number | Monday, May 06, 2013 | P/01   |          |
| Date:               | Sheet           |                      | 15     | of 17    |
| APPROVE             | CHECK           | SUN KING             | DESIGN | SUN KING |

KEY-IR-MISC



|                       |                      |       |         |        |         |
|-----------------------|----------------------|-------|---------|--------|---------|
| <b>PAD APP4 STD</b>   |                      |       |         |        |         |
| Title                 |                      |       |         |        |         |
| A4 <b>KEY-IR-MISC</b> |                      |       |         |        |         |
| Size                  | Document Number      |       |         |        | Rev     |
|                       | Monday, May 06, 2013 |       |         |        | v/01    |
| Date:                 |                      | Sheet |         | 16     | of 17   |
| APPROVE               |                      | CHECK | SUNKING | DESIGN | SUNKING |
|                       |                      |       |         |        |         |