

SB8015A All-in-One Bezel Free Android POS Terminal

User Manual





How to Use This Manual

This manual contains information to set up and use the SB8015A. In addition, instructions are included for added hardware, software, upgrades, and optional items.

| Chapter 1 | An introduction to what you find in the box and an overview of product specifications, appearance, and interface. |
|---------------|---|
| Chapter 2 | Disassembling the unit for upgrade or maintenance. |
| Chapter 3 | Mounting procedures for optional devices, such as MSR,VFD. |
| Chapter 4 & 5 | Motherboard information. |

| ⚠ | WARNING! | Text set off in this manner indicates that failure to follow directions could result in bodily harm or loss of life. |
|------------------|----------|---|
| \bigtriangleup | CAUTION: | Text set off in this manner indicates that failure to follow directions could result in damage to equipment or loss of information. |
| | NOTE: | Text set off in this manner provides important supplemental information. |

Before installing and operating the unit, please read this user manual thoroughly and retain for reference.

Federal Communications Commission (FCC) Notice

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: Shielded interconnect cables and shielded AC power cables must be employed with this equipment to insure compliance with pertinent RF emission limits governing this device. Changes or modifications not expressly approved by the system's manufacturer could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference.
- 2. This device must accept any interference received, including interference that may cause undesired operation.

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Precautions

- 1. Please read these safety instructions carefully.
- 2. Keep this User Manual for later reference.
- 3. Disconnect this equipment from the AC outlet before cleaning. Do not use liquid or spray detergent for cleaning. Use only a moistened sheet or cloth.
- 4. For pluggable equipment, the socket outlet should be installed near the equipment and should be easily accessible.
- 5. Avoid humidity and moisture.
- 6. Install equipment on a stable surface.
- 7. Do not leave this equipment running in an enclosed or non-air-circulated environment, nor store in temperatures above 60°C. Such conditions may damage the equipment.
- 8. Ventilation openings on the unit are for air circulation and protect the equipment from overheating. DO NOT COVER THE OPENINGS.
- 9. Check the voltage of the power source before connecting the equipment to the power outlet.
- 10. Place the power cord so that it will not be stepped on. Do not place anything over the power cord. The power cord must be rated for the product and for the voltage and current marked on the product's electrical ratings label. The voltage and current rating of the cord should be greater than the voltage and current rating marked on the product.
- 11. All cautions and warnings on the equipment should be noted.
- 12. If the equipment is not used for a long time, disconnect the equipment from the power outlet to avoid damage.
- 13. Never allow any liquid into ventilation openings. This could cause fire or electrical shock.
- 14. Never open the equipment. For safety reasons, qualified service personnel should only open the equipment.
- 15. If one of the following situations may arise, get the equipment checked by qualified service personnel:
 - a. The power cord or plug is damaged.
 - b. Liquid has penetrated the equipment.
 - c. The equipment has been exposed to moisture.
 - d. The equipment does not work well or you cannot get it work according to the user manual.
 - e. The equipment has been dropped and damaged.
 - f. The equipment has obvious signs of damage.



WARNING! Not intended for outdoor use.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with same type, and discard used batteries according to manufacturer's instructions.

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Chapter 1 Introduction

Features

- 15" TFT LCD with Bezel Free Resistive Touch
- FreeScale i.MX 6 Dual core Cortex-A9 1.0 GHz
- Robust plastic housing
- IP65 sealed front touch panel
- 2 x COM, 4 x USB, 1 x VGA
- Flexible options: MSR, VFD
- RoHS compliant

Specifications

| System Configuration | | | |
|------------------------|--|--|--|
| CPU | FreeScale i.MX 6 Dual core Cortex-A9 1.0 GHz | | |
| System Memory | DDR3 2GB on board and SD card connector (default 4GB) | | |
| Power | 1 x external 60W 12VDC power adapter (100~240VAC, 50~60Hz, 5.0A) | | |
| OS Support | Android 4.2 | | |
| LCD Touch Panel | | | |
| Resolution Size | 15″ TFT LCD / 1024 x 768 | | |
| Brightness | 250 cd/m ² | | |
| Touch Screen Type | Bezel Free 5-wire resistive touch | | |
| I/O Ports | | | |
| USB Ports | 4 x USB 2.0 ports | | |
| Serial Ports | 2 x COM ports (DB9) | | |
| VGA Port | 1 x external VGA Port | | |
| Cash Drawer Port | 1 x 12V/24V RJ11 connector | | |
| LAN Port | 1 x Giga LAN (10/100/1000Mbps), RJ45 connector | | |
| Audio Port | 1 x Line-out, 1 x Mic-in | | |
| Speaker | 2 x internal stereo 2W speakers | | |
| Mechanics and Environn | nent | | |
| Dimensions & Weight | Stand base type 272(D) x 380(W) x 329(H) mm/6.8Kg | | |
| IP65 | IP65 sealed front panel with touch screen | | |
| Operating Temperature | 0 °C ~ 40 °C | | |
| EMI/Safety | CE, FCC, RoHS | | |

Package Contents

The following items come standard with the SB8015A:

| POS System | | Power Adaptor | |
|--|---|---------------|--|
| Utility and Main Board Chipset Driver CD | SB8015A POS Terminal Henstehan Instatution | AC Power Cord | |

Base System

Before you begin, take a few moments to become familiar with the SB8015A.



The rear of the system



Right Speaker



Left Speaker

Expandable Options



SB8015A Dimensions

(Unit: mm)





Connector Panel

The SB8015A primary connector panel is located at the back side of LCD.

NOTE: SB8015A COM ports are referred as "ttymxc0" and "ttymxc1" respectively in Android.



Chapter 2 Disassemby Guide

Detaching the LCD Panel

- 1. Turn off the system power properly through the operating system, then turn off any external devices.
- 2. Disconnect the power cord from the power outlet and disconnect any external devices.

CAUTION: Regardless of the power-on state, voltage is always present on the main board as long as the system is plugged into an active AC outlet. You must disconnect the power cord to avoid damage to the internal components of the system.

3. Remove the three screws from the back of the panel.



4. Place hands on both sides of the panel bottom and then to gently slide it up and off the hinge.



Opening Back Cover

CAUTION: To prevent loss of work and damage to the system or drive:

If you are inserting or removing a drive, shut down the operating system properly, turn off the system, and unplug the power cord. Do not remove a drive while the system is on or in standby mode.

Before handling a drive, ensure that you are discharged of static electricity. While handling a drive, avoid touching the connector.

- 1. Turn off the system power properly through the operating system, then turn off any external devices.
- 2. Disconnect the power cord from the power outlet and disconnect any external devices.
- 3. Place the main unit upside down. Next, Unscrew nine screws on the panel back cover as show below to remove it.



CAUTION: To avoid scratching the panel, before doing dismantling, put a piece of cloth or cushion under the main unit.

4. Open the panel back cover in the direction of the arrow.



5. Unscrew the eight screws as shown below to remove it.





6. Open the metal cover in the direction of the arrow.



Chapter 3 Optional Components and Peripherals

MSR Module Installation

- 1. Turn off the system power properly through the operating system, then turn off any external devices.
- 2. Disconnect the power cord from the power outlet and disconnect any external devices.

CAUTION: Regardless of the power-on state, voltage is always present on the main board as long as the system is plugged into an active AC outlet. You must disconnect the power cord to avoid damage to the internal components of the system.

3. Remove the two screws from the left MSR side cover on the back of the display.



4. Secure the screw as shown below.



5. Connect the single MSR module's signal cable connector into the socket. Next, fix MSR module with two screws.



6. Reconnect the power cord and any external devices, then turn on the system.

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NOTE:

The MSR module interfaces to Android as HID keyboard. To allow use of the onscreen keyboard in Android, it is necessary to change the settings of "Hardware Physical Keyboard" to OFF in "Language & input".

Rear Mount VFD Module Installation

- 1. Turn off the system power properly through the operating system, then turn off any external devices.
- 2. Disconnect the power cord from the power outlet and disconnect any external devices.

CAUTION: Regardless of the power-on state, voltage is always present on the main board as long as the system is plugged into an active AC outlet. You must disconnect the power cord to avoid damage to the internal components of the system.

3. Connect the VFD module's cable connector to the socket on the top of panel back cover.



4. Secure the VDF module with two screws.



5. Reconnect the power cord and any external devices, then turn on VFD/LCD power. Finally, turn on the system power.

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NOTE:

The rear mount VFD module is connected with serial interface to Android apps under device name "/dev/ttymxc3" and the baud rate is 9600.

Chapter 4 Main Board Configuration





Chapter 5 Main Board Connector Pin Definitions

| COM1 (ttymxc | 0) | COM Connector | | |
|----------------|----------|---|-------|----------------|
| Pin Definition | Pin # | M1 COM1 1A | Pin # | Pin Definition |
| COM1_DCD# | A1 | A5 40 1 | M1 | GND |
| COM1 SIN | A2 | COM1_RI# A9 O | M2 | GND |
| COM1 SOUT | A3 | COM1_DTR# A8 COM1_CTS# A8 | | |
| COM1 DTR# | A4 | COM1_SOUT | | |
| GND | A5 | COM1_SIN A2 COM1_DSR# A6 C | | |
| COM1_DSR# | A6 | COM1_DCD# A1 0 | | |
| COM1_BTS# | A7 | B27 | | |
| | <u> </u> | 0.54 DSUB_9(M)Hx2 | | |
| COM1_010# | Δ9 | | | |
| | 710 | GND_COM | | |
| COM2 (ttymxc | 1) | COM Connector | | |
| Pin Definition | Pin # | | Pin # | Pin Definition |
| NC | B1 | <u>COM1_1B</u> | B9 | COM2 PWR |
| COM2 RXD | B2 | | 20 | |
| COM2 TXD | B3 | COM2 PWR 0 | | |
| | D0 | | | |
| | B4 | COM2_TAD BS COM2_RTS B7 COM2_RTS B7 | | |
| GND | B5 | | | |
| NC | B6 | B28 | | |
| COM2_RTS | B7 | 600_100MHz 0.5A | | |
| COM2_CTS | B8 | DSOB_9(M)HX2 | | |
| COM3 | | COM Connector | | |
| Pin Definition | Pin # | | Pin # | Pin Definition |
| NC | 1 | 1, <u>COM3</u> 2 COM3 SIN | 6 | NC |
| COM3 SIN | 2 | | 7 | COM3 RTS# |
| | 3 | U <u>COM3_RTS# 7</u> | 8 | |
| NC | 0 | | 9 | |
| | 5 | PH_5x2V_2.54mm | 5 | |
| GND | 5 | COM Connector | | |
| Pin Definition | Pin # | | Pin # | Pin Definition |
| NC | 1 | COM | 6 | |
| | 2 | 1 2 COM4_SIN | 7 | |
| | 2 | | 0 | |
| | 3 | ¹ U <u>COM4_RTS# 7</u> 3 COM4_CTS# | 0 | |
| | 4 | | 9 | |
| GND | 5 | | | |
| | Dire // | COM Connector | Dia # | Die Definitien |
| Pin Definition | Pin# | 1 <u>COM5</u> 2 COM5_SIN | Pin # | Pin Definition |
| NC | 1 | | 6 | NC |
| COM5_SIN | 2 | | 7 | COM5_RTS# |
| COM5_SOUT | 3 | | 8 | NC |
| NC | 4 | PH_5X2V_2.54mm | 9 | COM5_PWR |
| GND | 5 | | | |
| DCJACK1 | | DC JACK Connector | | |
| Pin Definition | Pin# | | | |
| NC | 1 | | | |
| DC_IN | 2 | | | |
| PGND | 3 | | | |
| | | MINIDIN_3H | | |
| | | | | |
| | | \perp | | |
| | | PGND | | |
| FTP1 | • | POWER BUTTON Connector | | • |
| Pin Definition | Pin # | | Pin # | Pin Definition |
| SATA_LED# | 1 | +V5 +V3.34 | 6 | PWRBT_IN# |
| PWRLED | 2 | +V3.3 +V3.3 +V5 R357 R358 R360 R360 R360 | 7 | POR_B |
| SATA_LED# | 3 | XU10K ≥ NU10K ≥ NU200 € NU200 € 300 € 100 100 100 100 100 100 100 100 100 | 8 | GND |
| GND | 4 | 5 SATA LED = 5 SATA LED = 5 O PWRELINS 5 O PWRELINS | 9 | NC |
| GND | 5 | 5%_1/16W C431 C432 C433 C433 C433 C433 C433 C433 C433 | | |
| | | ÷÷. ÷. ÷. ÷. | | |
| | | | | |
| | | | | |

| HDMI1 | | HDMI Connector | | |
|----------------|-------|--|----------|----------------|
| Pin Definition | Pin # | | Pin # | Pin Definition |
| HDMI_TD2+ | 1 | HDMI_TD2+ 1 | 11 | GND |
| GND | 2 | HDM_TD2- HDM_TD1+ 4 | 12 | HDMI CLK- |
| HDML TD2- | 3 | | 13 | HDML CEC A |
| HDML TD1+ | 4 | | 14 | |
| | 5 | HDM_100- HDM_CLK+ 10 11 | 15 | |
| | 5 | HDM_CLK- HDM_CEC_A 13 | 10 | |
| | 0 | | 10 | |
| HDMI_TD0+ | 1 | | 1/ | GND |
| GND | 8 | HDM_HP 19 | 18 | +5V_HDMI |
| HDMI_TD0- | 9 | HDMI_19H | 19 | HDMI_HP |
| HDMI_CLK+ | 10 | R111 ≥ 100K | | |
| | | ≥ 5%_1/16W | | |
| | | ÷ ÷ | | |
| VGA1 | | VGA Connector | | 1 |
| Pin Definition | Pin # | YGAL | Pin # | Pin Definition |
| VGA_R_2 | 1 | 5 O H2 | 9 | +5V_CRT |
| VGA_G_2 | 2 | VGA_R_2 1 0 0 12 VGA_DDC_DA | 10 | GND |
| VGA B 2 | 3 | VGA B 2 3 0 13 HSYN | 11 | NC |
| NC | 4 | Xi 0 14 VSYN 5 0 15 VGA_DDC_CK | 12 | VGA DDC DA |
| GND | 5 | | 13 | HSYN |
| GND | 6 | 3A 0603 V 3A 0600 DSUB_15H 33_100MHz 33_100MHz B5.50V 5%.50V 5%.50V 5%.50V 5%.50V | 1/ | |
| GND | 7 | | 14 | |
| GND | 1 | | 15 | VGA_DDC_CK |
| GND | 8 | | | |
| LVDS1 | | LVDS Connector | | |
| Pin Definition | Pin # | | Pin # | Pin Definition |
| +VDD_LVDS | 1 | | 21 | LVDS0_TX2+ |
| +VDD_LVDS | 2 | | 22 | LVDS1_TX2+ |
| +VDD_LVDS | 3 | | 23 | GND |
| +VDD LVDS | 4 | | 24 | GND |
| GND | 5 | | 25 | LVDS0_CLK- |
| GND | 6 | | 26 | LVDS1_CLK- |
| | 7 | *VDD_LVDS | 27 | |
| | 9 | | 21 | |
| | 0 | C355 C359 LVDS0 TX0. 7 8 LVDS1 TX0. C466 C467 + 100nF+ 100nF LVDS0 TX0. 9 10 LVDS1 TX0. + 100nF+ 100nF | 20 | |
| | 9 | LVDS0_TX1+ 13 LVDS0_TX1+ 15 LVDS0_TX1+ 15 LVDS0_TX1+ 15 LVDS0_TX1+ 15 LVDS0_TX1+ 15 LVDS0_TX1+ 15 LVDS0_TX1+ 15 LVDS1_TX1+ 15 LV | 29 | GND |
| | 10 | LVDS0, T22- 27 LVDS0, T22- 27 LVDS0, T22- 27 LVDS0, T22- 27 LVDS1, T22- 77 LVDS1, | 30 | |
| GND | 11 | LVDS0_CIK, 27 LVDS0_CIK, 27 LVDS0_CIK, 27 LVDS0_CIK, 27 30 LVDS0_CIK, 27 30 LVDS0_CIK, 27 30 LVDS1_CIK, 27 LVDS1_CIK, 27 LVDS1 | 31 | |
| GDN | 12 | LVDS0_TX3+ 33 514.17 12C1 SDA (C_1_SDA_LVDS0 37 5.14.17 12C1 SDA (C_1_SDA_LVDS0 37 38 3 | 32 | LVDS1_IX3- |
| LVDS0_TX1- | 13 | | 33 | LVDS0_1X3+ |
| LVDS1_TX1- | 14 | 3 2 BB_20x2H_S1.25mm | 34 | LVDS1_TX3+ |
| LVDS0_TX1+ | 15 | | 35 | GND |
| LVDS1_TX1+ | 16 | | 36 | GND |
| GND | 17 | | 37 | I2C1_SDA_LVDS0 |
| GND | 18 | | 38 | GND |
| LVDS0 TX2- | 19 | | 39 | I2C1 SCL LVDS0 |
| LVDS1 TX2- | 20 | 1 | 40 | GND |
| NC | 41 | | 43 | GND |
| NC | /12 | | 10 | GND |
| | 42 | LICE Dort*2 | | |
| Die Definitier | Dial | USD FUIL Z | D:# | Din Dafinitian |
| | | USB2 | PIN# | |
| +v5_USBPWR3 | | +V5_USBPWR3 0 | (| |
| USB3_D- | 2 | USB3_D+ 3 4 USB+0_B | 8 | GND |
| USB3_D+ | 3 | +V5_OTG_PWR 0 | 9 | GND_USB |
| GND | 4 | USB_OTG_D+ 7 USB-1_B 8 USB+1_B | 10 | GND_USB |
| +V5_OTG_PWR | 5 | | 11 | GND_USB |
| USB_OTG_D- | 6 | B61 3A 3A 11 9TH_2 USB & TYPE 12 9TH_3 | 12 | GND_USB |
| | | C297 # 1000F UISBx2 8H | | |
| | | 0603 10%_25V C298 1 100nF | | |
| | | 0603 " 10%_25V | | |
| | | GND_USB | | |
| | | | | |
| JUSB1 | | USB Pin header for two usb ports | | |
| Pin Definition | Pin# | +V5_USBPWR45+V5_USBPWR45 | Pin# | Pin Definition |
| +V5 USBPWR45 | 1 | 0 0 0 | 6 | USB5 D+ |
| +V5_USBPWR45 | 2 | JUSB1 | 7 | GND |
| | 2 | | , R | GND |
| | 3 | USB4_D+ 5 6 USB5_D+ | 10 | |
| | 4 | | IU | |
| USB4_D+ | 5 | | | |
| | | FT1_0X2 V_2.040000 | | |
| | | | | |
| | | | | |

| JUSB2 | | USB Pin for single usb port | | |
|-----------------|-------|---|-------|----------------|
| Pin Definition | Pin # | | | |
| +\/5_LISBP\//R7 | 1 | +V5_USBPWR7 | | |
| USB7 D- | 2 | JUSB2 | | |
| 0007_0- | 2 | | | |
| | | 3 USB7_D+ | | |
| GND | 4 | | | |
| | | WB_4V_2.0mm | | |
| | | | | |
| | | | | |
| | | | | |
| LAN+USB | | RJ45+USB*2 Connector | | |
| Pin Definition | Pin # | LAN ACT R158 330 5% 1/494 | | |
| | A1 | A12 G | | |
| MDI0+ | Δ2 | R159 xxx NL/0 A1 | | |
| MDIO | Λ3 | C248 u 100nF 10% 16V MDI0+ A2 | | |
| MDI0- | 7.0 | | | |
| MDI1+ | A4 | MD11+ A4 = 0.1uF 2 | | |
| MDI1- | A5 | | | |
| MDI1- | A6 | MD11- A5 PIK, III, 73 | | |
| MDI2- | A7 | | | |
| MDI3+ | A8 | MD12- A7 5 75 | | |
| MDI2 | ΔQ | | | |
| 11013- | A10 | | | |
| | AIU | C253 100nF 10% 16V A10 | | |
| LAN_ACT | A11 | LAN1000_LINK A13 | | |
| +V3.3 | A12 | LAN100_LINK A14 G | | |
| LAN1000 LINK | A13 | Low Active EREE | | |
| | A14 | RJ45+USBx2+XFMR | | |
| | | | | |
| | | LAN_GND | | |
| | D4 | | | |
| +V5_USBPWR12 | BI | +V5_USBPWR12 Q | | |
| | B2 | B1 B1 | | |
| | B3 | USBHUB1_D- B2 USBHUB1_D+ B3 DT1- | | |
| | B4 | B4 DT1+ GND1 | | |
| +V5_USBPWR12 | B5 | H5 H6 SHIELDGND 5 | | |
| USBHUB2_D- | B6 | SHIELDGND_6 | | |
| | B/ | | | |
| GND | BØ | LAN_GND | | |
| | | | | |
| | | +V5_USBPWR12 | | |
| | | LAN+USB1C | | |
| | | USBHUB2_D- B6 VCC2 | | |
| | | USBHUB2_D+ B7 DT2- DT2+ | | |
| | | H7 | | |
| | | H8 SHIELDGND_7 SHIELDGND_8 | | |
| | | RJ45+USBx2+XFMR | | |
| | | | | |
| LVDS_BKLT_PV | VR1 | LVDS_BKLT_POWER Connector | | |
| Pin Definition | Pin # | AVDD BKIT LVDS | Pin # | Pin Definition |
| +VDD_BKLT_LVDS | 1 | | 4 | LCD_BKLT_PWM_A |
| GND | 2 | | 5 | +V5 |
| LCD_BKLT_A | 3 | WB_5V_2.0mm | | |
| | | | | |
| AUDIO1 | D' " | AUDIO Connector | D' " | |
| Pin Definition | Pin # | | Pin # | Pin Definition |
| AMP_AGND | 1 | | 22 | |
| | 2 | | 23 | JACK_DETE_J |
| MIC1_Z_R | 3 | 0 MIC_12_R R882_0 0 5% 1/16W 2 T RED MC1_2_R 0 5% 1/16W 2 T | 24 | AMP_AGND |
| AMP_AGND | 4 | JACK_1X2 | 25 | LINEOU1_R |
| | 5 | | | |
| SD1 | D' " | SD Slot | D' " | |
| Pin Definition | Pin # | 4 | Pin # | Pin Definition |
| SD2_D3 | 1 | +12.3.50 Presscale suggestion +12.3 Presscale suggestion +12.3 | 6 | GND |
| SD2_CMD_A | 2 | 120_100AHz MNRAMCH197YR C172 C173 C174 C174 C174 C174 C174 C174 C174 C174 | 7 | SD2_D0 |
| GND | 3 | | 8 | SD2_D1 |
| +V3.3_SD | 4 | | 9 | SD2_D2 |
| SD2_CLK_A | 5 | | CD | SD2_CD#_A |
| SD_WP | WP | | | |
| GND | COM | | | |

| RTC1 | | RTC Connector | |
|----------------|--------|--|--|
| Pin Definition | Pin # | | |
| COIN_RTC | 1 | | |
| GND | 2 | | |
| SDEAKED1 | | SPEAKER Connector | |
| Din Definition | Din # | SPEAKER Connector | |
| | 1 | SPEAKER1 | |
| | 1 | SPK_LP 4 SPK_LM 3 | |
| | 2 | | |
| | 3 | SPK_RM WB 4V 2 0mm | |
| SPK_LP | 4 | | |
| COM_SEL2 | Die // | | |
| Pin Definition | Pin# | COM SEL2 | |
| | 1 | COM2_PWR 0_COM2_PWR B35 30 100MHz PS1 1.1A +V50 2 | |
| COM2_PWR | 2 | MINISMDC110F/16 +V120 | |
| +12V | 3 | = C225 = 100F 10%_25V | |
| | | | |
| | | | |
| COM_SEL3 | D: " | COM3 VCC Select | |
| Pin Definition | Pin# | 001.054 | |
| +5V | 1 | COM3 PWR 0-COM3_PWR B41 30 100MHz PS2 11A +V50 2 | |
| COM3_PWR | 2 | 3A MINISMDC110F/16 +V120-3 PH 3x1V 2 00mm | |
| +12V | 3 | C227 = 100F | |
| | | 10%_239 | |
| | | | |
| COM SEL4 | | COM4 VCC Salaat | |
| Din Definition | Din# | | |
| | Pin# | COM_PWR 0 COM_PWR B42 30 100MHz PS3 1.1A +V50 1 3A 100MHz PS3 1.1A +V50 3 | |
| | 1 | MINISMDC110F/16 +V120 | |
| COM4_PWR | 2 | 100-25V | |
| +12V | 3 | | |
| | | | |
| | | | |
| COM_SEL5 | D: # | COM5 VCC Select | |
| Pin Definition | Pin# | COM5_PWR 0_COM5_PWR B48 30 100MHz PS4 1.1A +V50 2 | |
| +5V | 1 | MINISMDC110F/16 +V120 | |
| | 2 | + C239 100F 10% 25V | |
| CONS_PVR | 2 | | |
| +12\/ | 3 | - | |
| JCASH PWR | 1 | Cash drawer VCC Select | |
| Pin Definition | Pin# | JCASH PWR1 | |
| +\/12 | 1 | PH_3x1V_2.54mm | |
| CASH PW/R | 2 | | |
| +\/24 | 3 | | |
| 1 1 2 7 | 0 | PC41 <u>C367</u> | |
| | | <i>20%_3</i> ₩ 100nF NL/220uF 10%_50V | |
| | | ÷ ÷ | |
| LVDS_BKLT_SI | _T1 | LVDS_BKLT Select | |
| Pin Definition | Pin# | LVDS_BKLT_SLT1 PH_3x1V_2.54mm | |
| +V5 | 1 | +V12->30mils | |
| +VDD_BKLT_LVDS | 2 | +V5 0 | |
| V12 | 3 | +V5->30mils | |
| LVDS_VDD_SL | T1 | LVDS_VDD Select | |
| Pin Definition | Pin# | LVDS_VDD_SLT1 PH_3x1V_2.54mm | |
| +V3.3 | 1 | | |
| +VDD_LVDS_SLT | 2 | +V3.3 0 | |
| +V5 | 3 | +VDD_LVDS_SLT | |
| | | | |
| | | ≠ C356 100nF | |
| | | | |
| LISE OTG1 | | LISB OTG Salact | |
| Pin Definition | Pin# | | |
| | 1 | USB_OTG1 | |
| + v 3.3 | 1 | R213 NL/0 5%_1/16W USB_OTG_ID 2 | |
| | 2 | | |
| | 2 | r[] PH_3x1V_2.00mm | |

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