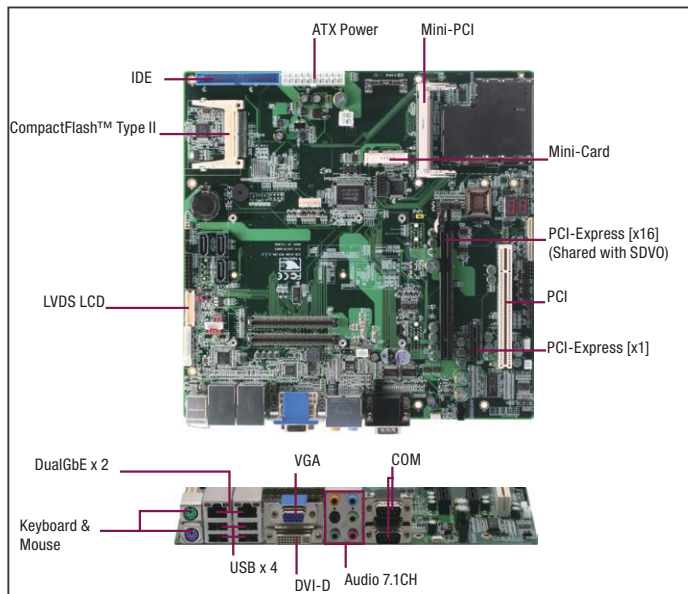


## COM Express Carrier Board for PICMG COM.0 R2.0 Type 2



## Features

- Supports COM Express Module Rev. 2.0 Pin-out Type 2
- Supports Gigabit Ethernet, RJ-45 x 2
- VGA/ DVI-D Connector
- 7.1 Channel Audio
- PATA Connector x 1, SATA Port x 3 (4), CompactFlash™ Type 2 Slot x 1
- USB Port x 5, COM Port x 2
- PCI-Express [x16] Slot x 1, PCI-Express [x1] Slot x 1, PCI Slot x 1
- Express Card Slot x 1, Mini-PCI Slot x 1, Mini-Card Slot x 1
- AT/ ATX Power Input
- LPC Connector x 1, microATX Form Factor

## Specifications

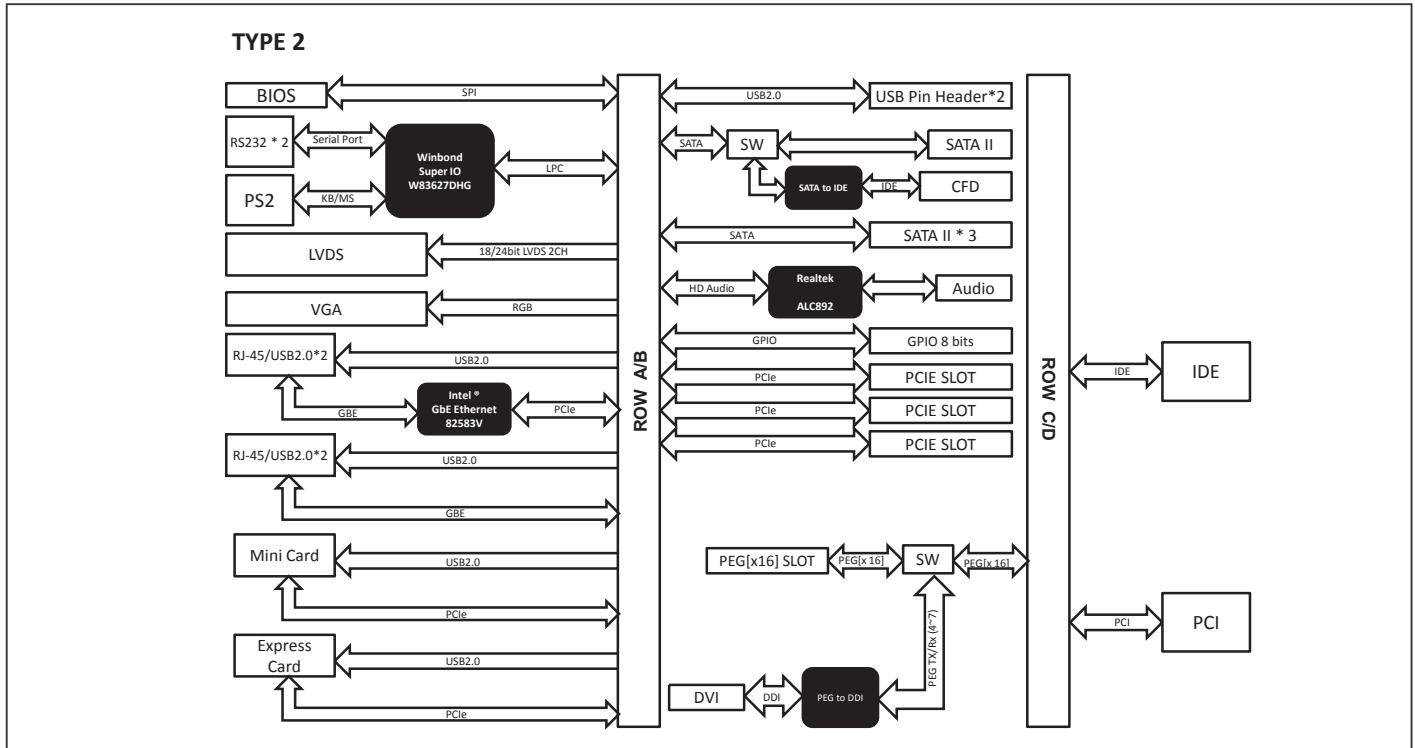
| System                |                                                                                                                                                                                                                                  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor           | Micro-ATX                                                                                                                                                                                                                        |
| COM Express Connector | x2                                                                                                                                                                                                                               |
| I/O Chipset           | Winbond W83627DHG                                                                                                                                                                                                                |
| Front Panel Control   | 10-pin (5x2) header                                                                                                                                                                                                              |
| Ethernet              | Intel® 82573L, 10/100/1000Base-TX, RJ-45 x 1<br>10/100 Base-TX or 10/100/1000Base-TX, RJ-45 x 1 (From CPU module)                                                                                                                |
| Expansion Interface   | PCI-Express [x1] slot x 1 ( additional 2 for test only)<br>PCI-Express [x16] slot x 1<br>==> Add a 3-pin header for SDVO enabled or disabled<br>PCI slot x 1<br>Mini-PCI slot x 1<br>Mini-Card slot x 1<br>Express Card slot x 1 |
| Power Supply Type     | AT/ATX                                                                                                                                                                                                                           |
| CMOS Battery          | RTC battery socket x 1                                                                                                                                                                                                           |
| BIOS                  | SPI x 1<br>Firmware Hub x 1 (with DIP Switch for BIOS Selection)                                                                                                                                                                 |
| Board Size            | 9.6" x 9.6"(243.84mm x 243.84mm)                                                                                                                                                                                                 |
| Gross Weight          | 1.32 lb (0.6 kg)                                                                                                                                                                                                                 |
| Operating Temperature | 32°F ~ 140°F (0°C ~ 60°C)                                                                                                                                                                                                        |
| Storage Temperature   | -40°F ~ 176°F (-40°C ~ 80°C)                                                                                                                                                                                                     |
| Operating Humidity    | 0% ~ 90% relative humidity, non-condensing                                                                                                                                                                                       |
| MTBF (Hours)          | 77,000                                                                                                                                                                                                                           |
| Display               |                                                                                                                                                                                                                                  |
| DVI/CRT               | DVI 29-pin + DB 15-pin stack-type connector                                                                                                                                                                                      |
| LVDS                  | 30-pin (15 x 2) Dual-Channel LVDS connector x 1                                                                                                                                                                                  |
| SDVO                  | 40pin (20 x 2) SDVO connector x 1                                                                                                                                                                                                |
| I/O                   |                                                                                                                                                                                                                                  |
| Storage               | 40-pin PATA connectorx1<br>SATA 3.0 Gb/s x 3<br>CompactFlash™ Type 2 slot x 1                                                                                                                                                    |
| Serial Port           | RS-232 Port x 1<br>RS-232/422/485 Port x 1                                                                                                                                                                                       |
| USB                   | Type-A connector x 4                                                                                                                                                                                                             |
| PS/2 Port             | x 1                                                                                                                                                                                                                              |
| Digital I/O           | Supports 8-bit (Programmable)                                                                                                                                                                                                    |
| Audio                 | Audio jack x 6, Supports 7.1 channel audio<br>Audio Codec: Realtek ALC888<br>Buzzer x 1                                                                                                                                          |
| Switch/Button         | Power button x 1<br>Reset button x 1                                                                                                                                                                                             |



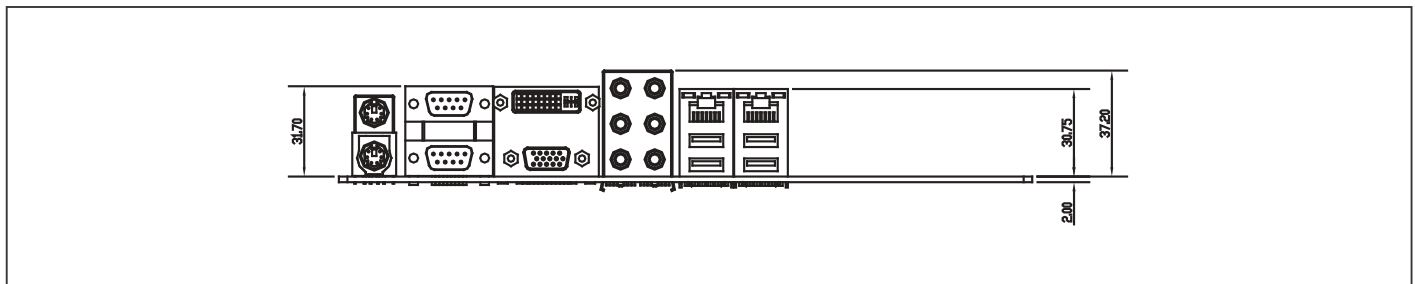
## Packing List

- **9681916M00**  
Cable Kit
  - 1701400453 IDE Cable x 1
  - 1709070500 SATA Cable x 1
  - 1702150150 SATA Power Cable x 1
  - 1701100207 COM Port Cable x 1
  - S1DD308042 Copper Stud x 1
  - S1DC002510 Nut x 1
- Quick Installation Guide
- ECB-916M Rev. B11

## Block Diagram Unit: mm



## Dimension Unit: mm



## Ordering Information

- **TF-ECB-916M-B11-01**  
COM Express Carrier Board, Micro-ATX, Dual LAN, PCI-Express, W/ Type1 Convert Board, AT/ATX, Rev. B1.1
- **Note: For COM-BYTC2 Series**