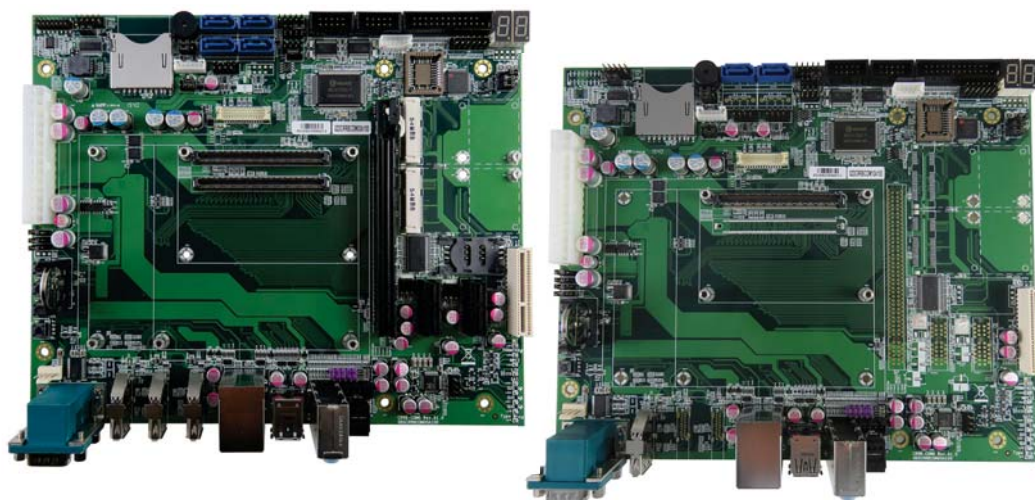


# CRRB-COM0 Series

COM Express® Carrier Board



- Type 6 COM Express® Basic / Compact Module supported
- Type 10 COM Express® Mini Module supported
- 3/1x DP, 1/0x VGA, 1x LVDS
- 4/2x SATA, 1x Micro SD Card Cage
- 4/2x USB3.0, 2/4x USB2.0, 4x COM, 1x PS/2, 1x 8-bit DIO, 1x LPT, 1x LAN
- 1/0x PCIe16, 1x PCIe4, 2/0x PCIe1, 2/0x mPCIe, 1/0x SIM

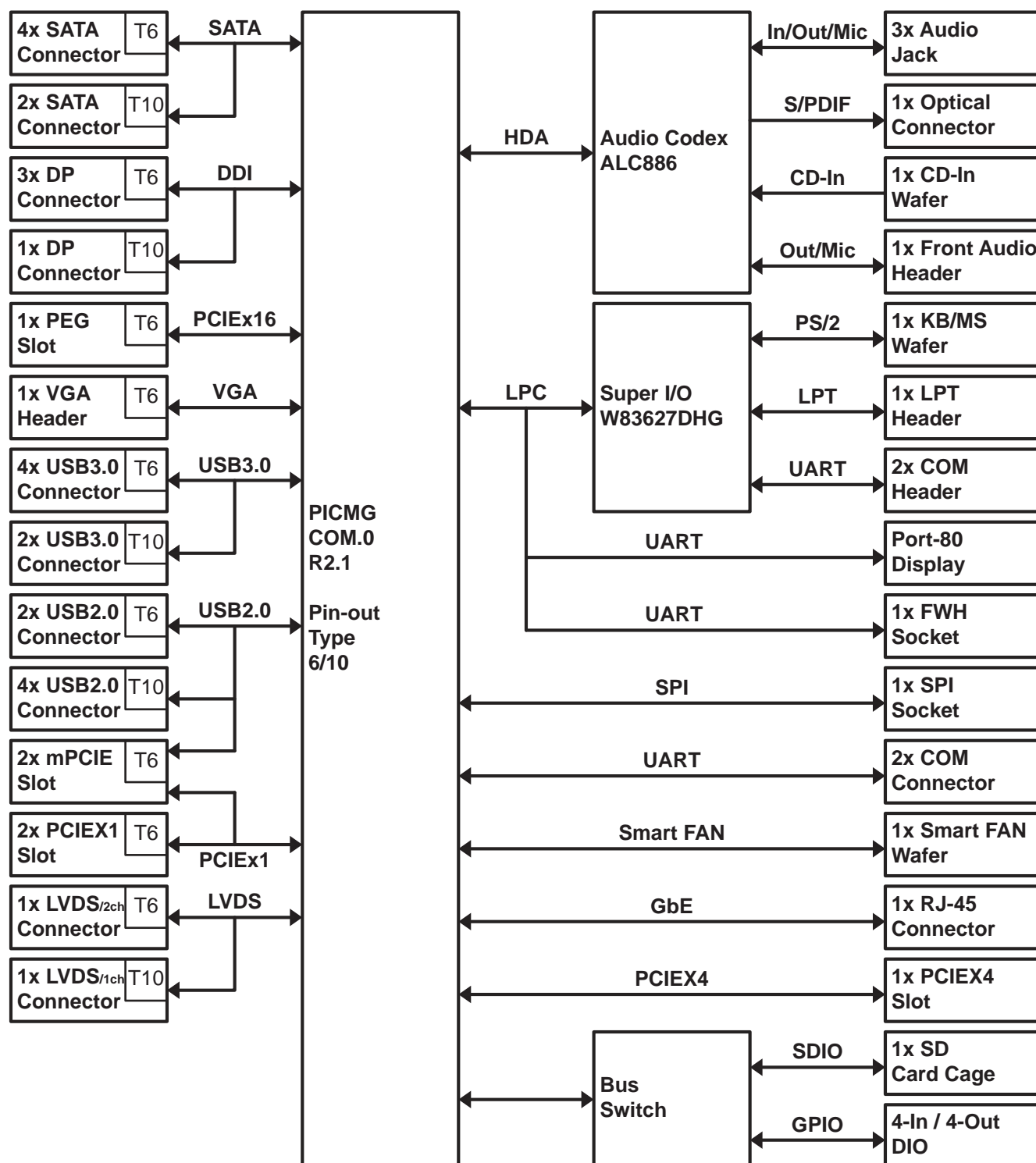


## Product Overview

CRRB-COM0 Series is a carrier board supporting Type 6 COM Express® Basic / Compact Module and Type 10 COM Express® Mini Module. It provides developers a ready-to-go evaluation or reference platform to step up their total system design

With a complete array of connection and expansion interfaces including DP, VGA, LVDS, USB3.0, USB2.0, COM, PS/2, DIO, LPT, LAN, Audio, PCIe16, PCIe4, PCIe1, mPCIe, SIM card holder, SATA socket, Micro SD card cage, CRRB-COM0 Series serves as an ideal platform and reference design for developing a custom carrier board.

## Block Diagram



## Technical Information

<b>Pin-out Type</b>	<b>Audio</b>
Type 6 (CRRB-COM0)	1x Line-In, 1x Line-Out, 1x Mic-In (on rear)
Type 10 (CRRB-COM1)	1x S/PDIF (on rear)
<b>Module Size Support</b>	1x Front Audio (on board)
COM Express® Basic / Compact (CRRB-COM0)	1x CD-In (on board)
COM Express® Mini (CRRB-COM1)	<b>Expansion</b>
<b>Display</b>	1x PCIe16 (CRRB-COM0)
3x DP (on rear, CRRB-COM0)	1x PCIe4
1x DP (on rear, CRRB-COM1)	2x PCIe1 (CRRB-COM0)
1x VGA (on board, CRRB-COM0)	2x mPCIe (CRRB-COM0)
1x 24-bit, 2-ch LVDS (on board, CRRB-COM0)	1x SIM Card Holder (CRRB-COM0)
1x 24-bit, 1-ch LVDS (on board, CRRB-COM1)	<b>Power Connector</b>
<b>Storage Support</b>	1x 2x12-pin ATX Power Connector for DC Input
4x SATA (CRRB-COM0)	1x 2x2-pin ATX Power Connector for Module Power Supply
2x SATA (CRRB-COM1)	1x CR2032 Battery Holder
1x Micro SD card cage	<b>Cooling</b>
<b>Peripheral Support</b>	1x Smart FAN
4x USB3.0 (on rear, CRRB-COM0)	<b>Dimensions</b>
2x USB3.0 (on rear, CRRB-COM1)	COM Express® Carrier Board R2.1 (229 x 191 mm / 9.02" x 7.52")
2x USB2.0 (on board, CRRB-COM0)	<b>Environmental Factors</b>
4x USB2.0 (on board, CRRB-COM1)	Operation Temp: 0°C ~ 70°C / 32°F ~ 158°F
4x COM (RS-232 support, 2x on rear, 2x on board)	Storage Temp: -20°C ~ 80°C / -4°F ~ 176°F
1x PS/2 (on board)	Humidity: 0% ~ 95%
1x 8-bit DIO (on board)	<b>Certification</b>
1x LPT (on board)	CE, FCC Class A
<b>LAN Support</b>	
1x GbE (on rear)	

## Ordering Information

Article	Part No.	Description
CRRB-COM0	BBRBCOM0-000000T	Basic / Compact module size, Pin out Type-6, 3x DP, 1x VGA, 1x 2-ch LVDS, 4x USB3.0, 2x USB2.0, 4x COM, 1x LAN, 1x PCIe16, 1x PCIe4, 2x PCIe1, 2x mPCIe, 1x SIM
CRRB-COM1		Mini module size, Pin out Type-10, 1x DP, 1x 1-ch LVDS, 2x USB3.0, 4x USB2.0, 4x COM, 1x LAN, 1x PCIe4

## CRRB-COM0 Series Rear I/Os

