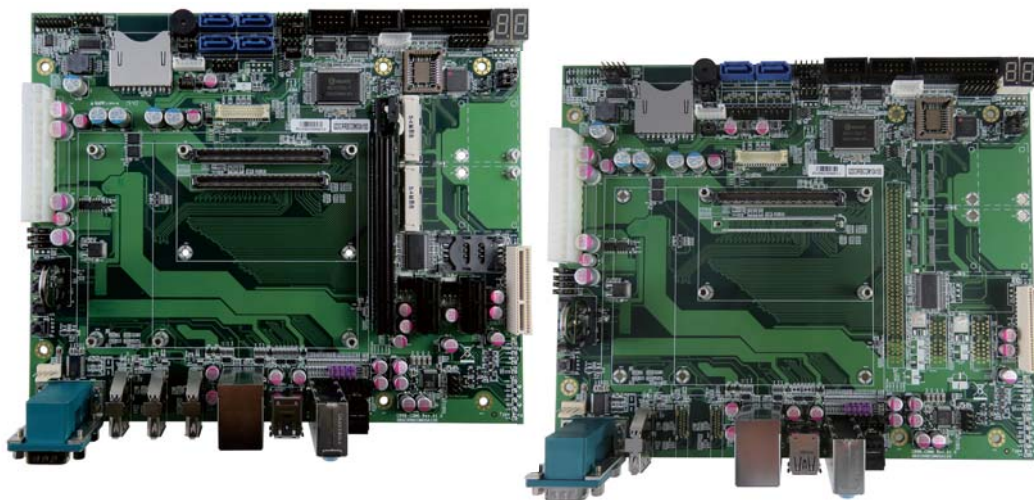


CRRB-COM0 Series

COM Express® Carrier Board



- Type 6 COM Express® Basic / Compact Module supported
- Type 10 COM Express® Mini Module supported
- 1x LVDS, 3x/1x DP, 1x/0x VGA for display output
- 1x GbE LAN for Ethernet
- 6x USB, 4x COM, 1x 8-bit GPIO, 1x LPT for peripherals
- 4x/2x SATA, 1x Micro SD Cage for storage
- 2x/0x mPCIe, 2x/0x PCIe1, 1x PCIe4, 1x/0x PCIe16 for expansion

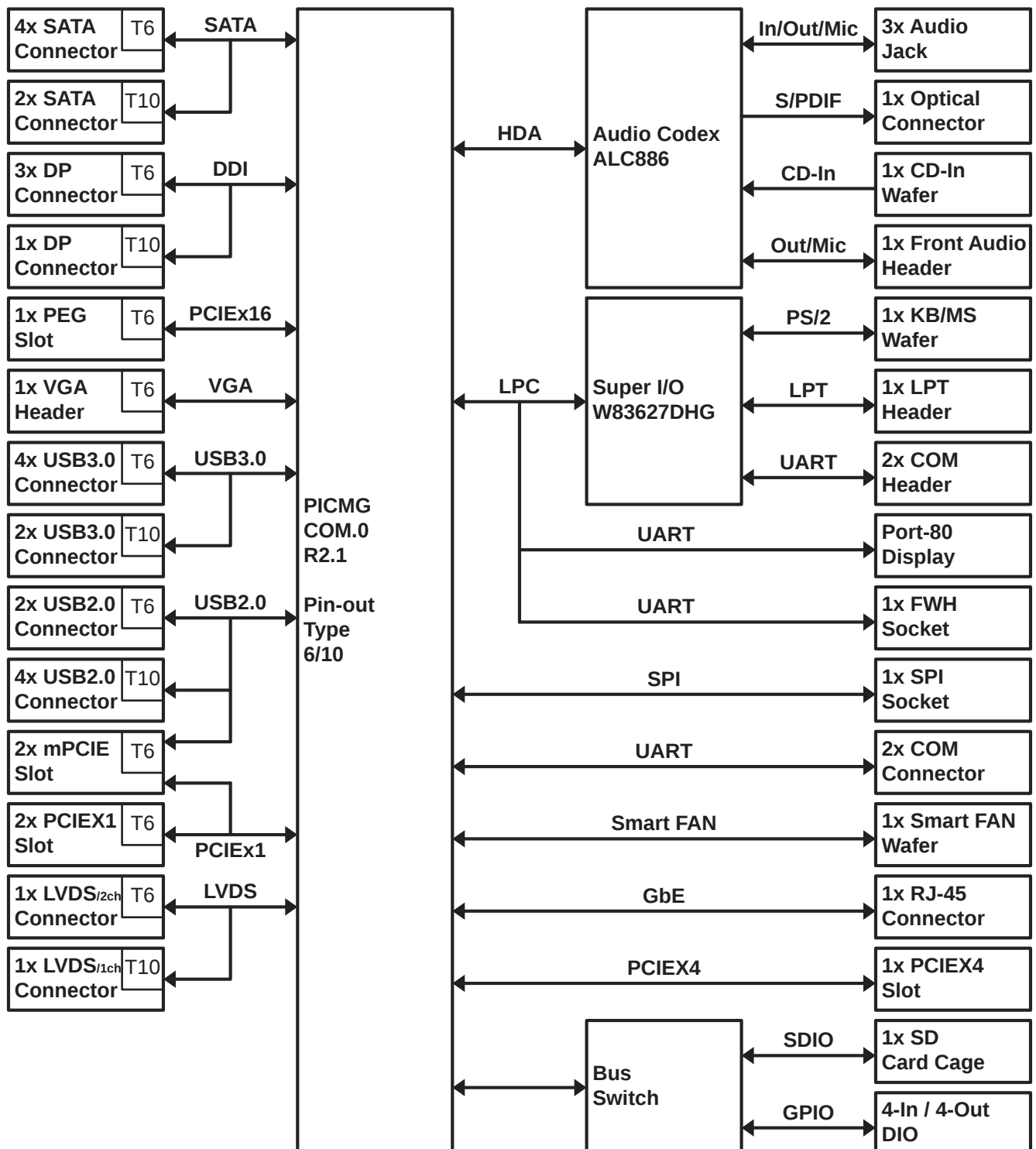


Product Overview

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

Pin-out Type	Other I/O Support
Type 6 (CRRB-COM0) Type 10 (CRRB-COM1)	1x 8-bit DIO (by header) 1x LPT (by header) 1x PS/2 (by wafer)
Module Form Factor Support	Storage & Expansion
COM Express® Basic / Compact (CRRB-COM0) COM Express® Mini (CRRB-COM1)	4x SATA (CRRB-COM0) 2x SATA (CRRB-COM1) 1x Micro SD card cage 1x PCIe16 (CRRB-COM0) 1x PCIe4 2x PCIe1 (CRRB-COM0) 2x mPCIe (full size, CRRB-COM0) 1x SIM Card Holder (CRRB-COM0)
Display	Power Connector
1x 24-bit, 2-ch LVDS (CRRB-COM0) 1x 24-bit, 1-ch LVDS (CRRB-COM1) 3x DP (on rear, CRRB-COM0) 1x DP (on rear, CRRB-COM1) 1x VGA (by header, CRRB-COM0)	1x 2x12-pin ATX Power Connector for DC Input 1x 2x2-pin ATX Power Connector for Module Power Supply 1x CR2032 Battery Holder
Audio	Cooling
1x Line-In (on rear) 2x Line-Out (1x on rear, 1x by header) 2x Mic-In (1x on rear, 1x by header) 1x S/PDIF (on rear) 1x CD-In (on by wafer)	1x Wafer for Smart FAN
LAN Support	Dimensions
1x GbE LAN (RJ-45 on rear)	COM Express® Carrier Board R2.1 (229 x 191 mm / 9.02" x 7.52")
USB Support	Environmental Factors
4x USB3.0 (Type A on rear, CRRB-COM0) 2x USB3.0 (Type A on rear, CRRB-COM1) 2x USB2.0 (by header, CRRB-COM0) 4x USB2.0 (2x Type A on rear, 2x by header, CRRB-COM1)	Operation Temp: 0°C ~ 70°C / 32°F ~ 158°F Storage Temp: -20°C ~ 80°C / -4°F ~ 176°F Humidity: 0% ~ 95%
Serial Port Support	Certification
4x RS-232 (2x DB9 on rear, 2x by header)	CE, FCC Class A

Ordering Information

Article	Part No.	Description
CRRB-COM0	0W0CRRBCOM00B100	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	0W0CRRBCOM10B100	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

