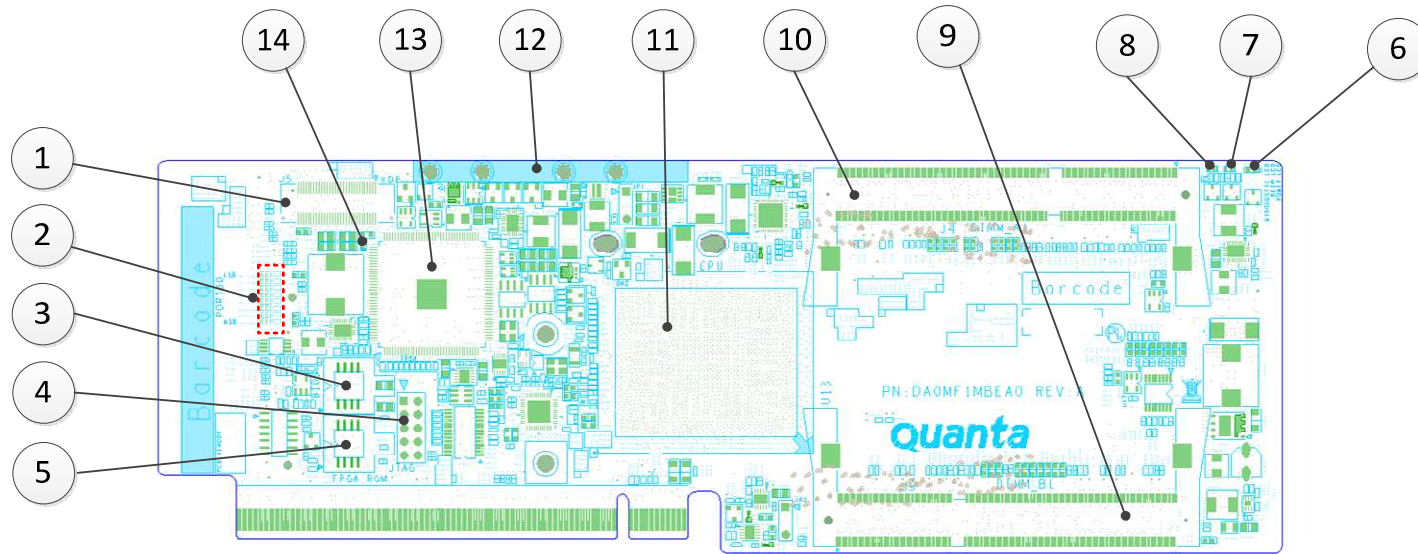


A-Side Placement

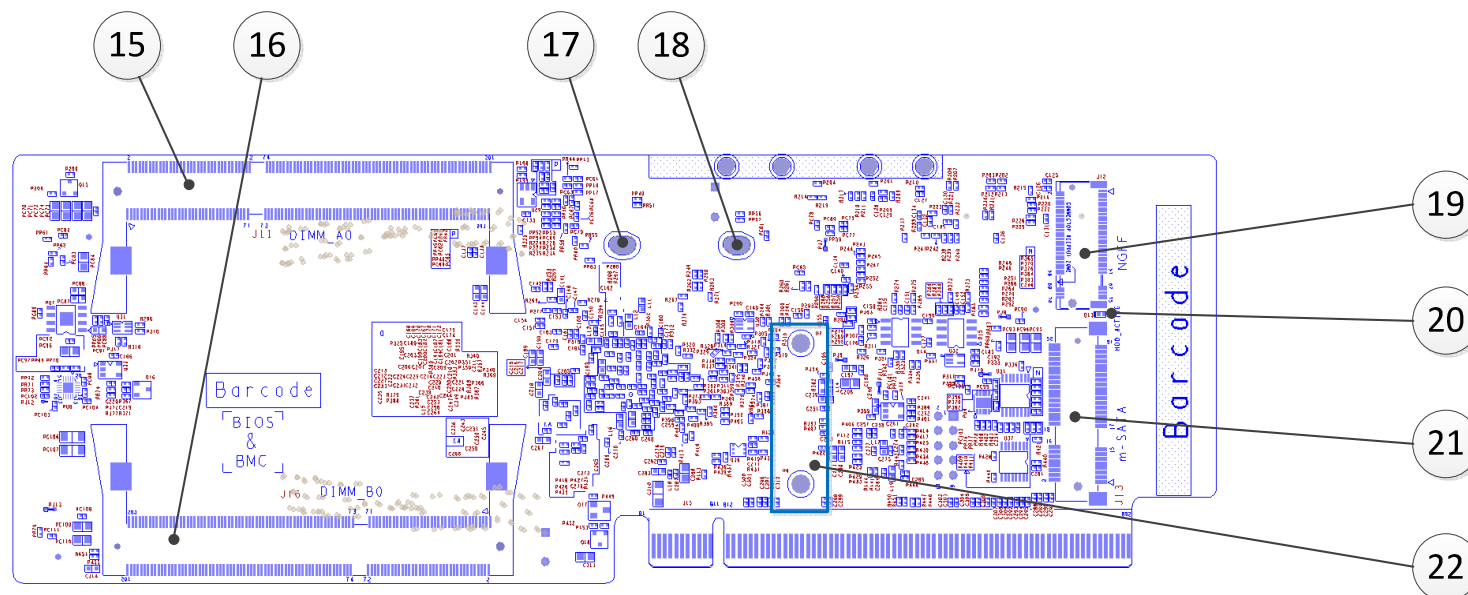


Item	Ref Designator / Silkscreen @PCB	Description	Note
1	J5 / XDP	XDP Connector	
2	D5~D12/ Port 80 LEDs	System Port80 POST Code LEDs	D5: LSB / D12: MSB
3	U19/ BIOS	BIOS Flash with socket	The socket may be de-populated when MP
4	J6 / JTAG	FPGA JTAG Header	
5	U26/FPGA ROM	FPGA Configuration ROM with socket	The socket may be de-populated when MP
6	D3/POWER_LED	Power Ready Indicator	
7	D2/ BEEP_LED	Beep Indicator	
8	D1/DIAGNOSTIC_LED	Diagnostic Indicator	
9	J9 / DIMM B1	DDR3 Channel B1	
10	J4/ DIMM A1	DDR3 Channel A1	

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11	U13 / CPU	Intel Avoton Processor with heatsink	
12	H1~H4	Plastic Grip Hole	
13	U10 / FPGA	FPGA (Altera EP4CE10E22C8N)	
14	D4	FPGA Heartbeat LED	

B-Side Placement



Item	Ref Designator / Silkscreen @PCB	Description	Note
15	J11 / DIMM A0	DDR3 Channel A0	
16	J16 / DIMM B0	DDR3 Channel B0	
17	H5	Longer NGFF Flash Card latch	
18	H6	Shorter NGFF Flash Card latch	
19	J12/ NGFF	NGFF Connector(for NGFF Flash Card)	
20	D13/ HDD ACTIVE	HDD Active LED	
21	J13/ mSATA	Mini-PCIe Connector (for mSATA SSD)	
22	H7, H8	mSATA SSD latch	