

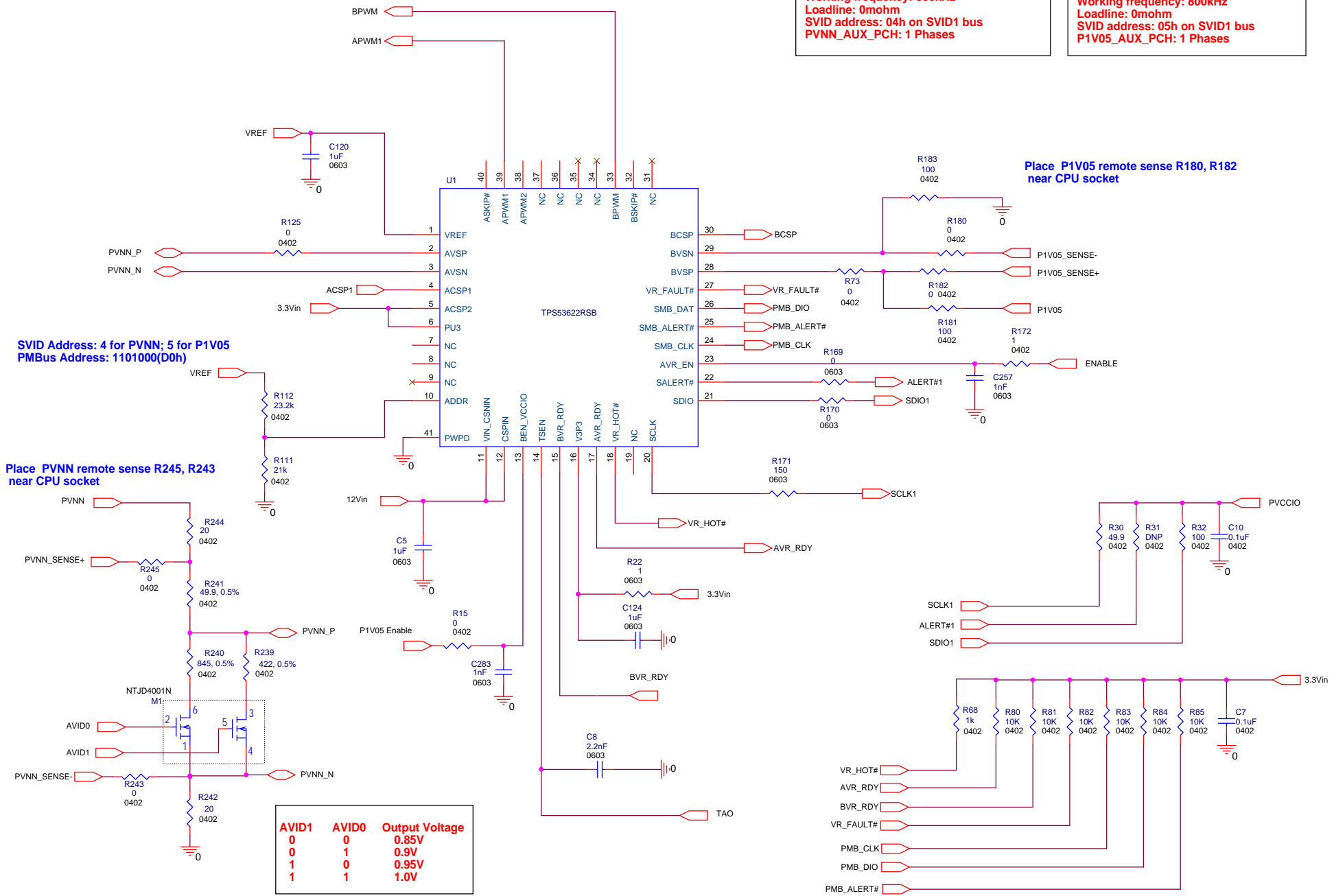
# PVNN/P1V05 Controller

**Design Specification: Intel Bakerville Skylake-D 85W SoC SKU**  
**PVNN\_AUX\_PCH SPEC**

VID: 0.85V, 0.90V, 0.95V, 1.0V, Vboot=0.85V  
 Ripple: +/-8mV  
 Total TOB: 0.946Vmin-1.044Vmax at 1.0V  
 lcc\_TDC: 12A  
 lcc\_MAX: 14A  
 lcc\_MAX step: 9A@10A/us  
 Working frequency: 800kHz  
 Loadline: 0mohm  
 SVID address: 04h on SVID1 bus  
 PVNN\_AUX\_PCH: 1 Phases

**Design Specification: Intel Bakerville Skylake-D 85W SoC SKU**  
**P1V05\_AUX\_PCH SPEC**

VID: 1.05V, Vboot=1.05V  
 Ripple: +/-8mV  
 Total TOB: 1.010Vmin-1.090Vmax at 1.05V  
 lcc\_TDC: 10A  
 lcc\_MAX: 13A  
 lcc\_MAX step: 5.6A@5A/us  
 Working frequency: 800kHz  
 Loadline: 0mohm  
 SVID address: 05h on SVID1 bus  
 P1V05\_AUX\_PCH: 1 Phases



SVID Address: 4 for PVNN; 5 for P1V05  
 PMBus Address: 1101000(D0h)

Place P1V05 remote sense R180, R182 near CPU socket

Place PVNN remote sense R245, R243 near CPU socket

| AVID1 | AVID0 | Output Voltage |
|-------|-------|----------------|
| 0     | 0     | 0.85V          |
| 0     | 1     | 0.9V           |
| 1     | 0     | 0.95V          |
| 1     | 1     | 1.0V           |