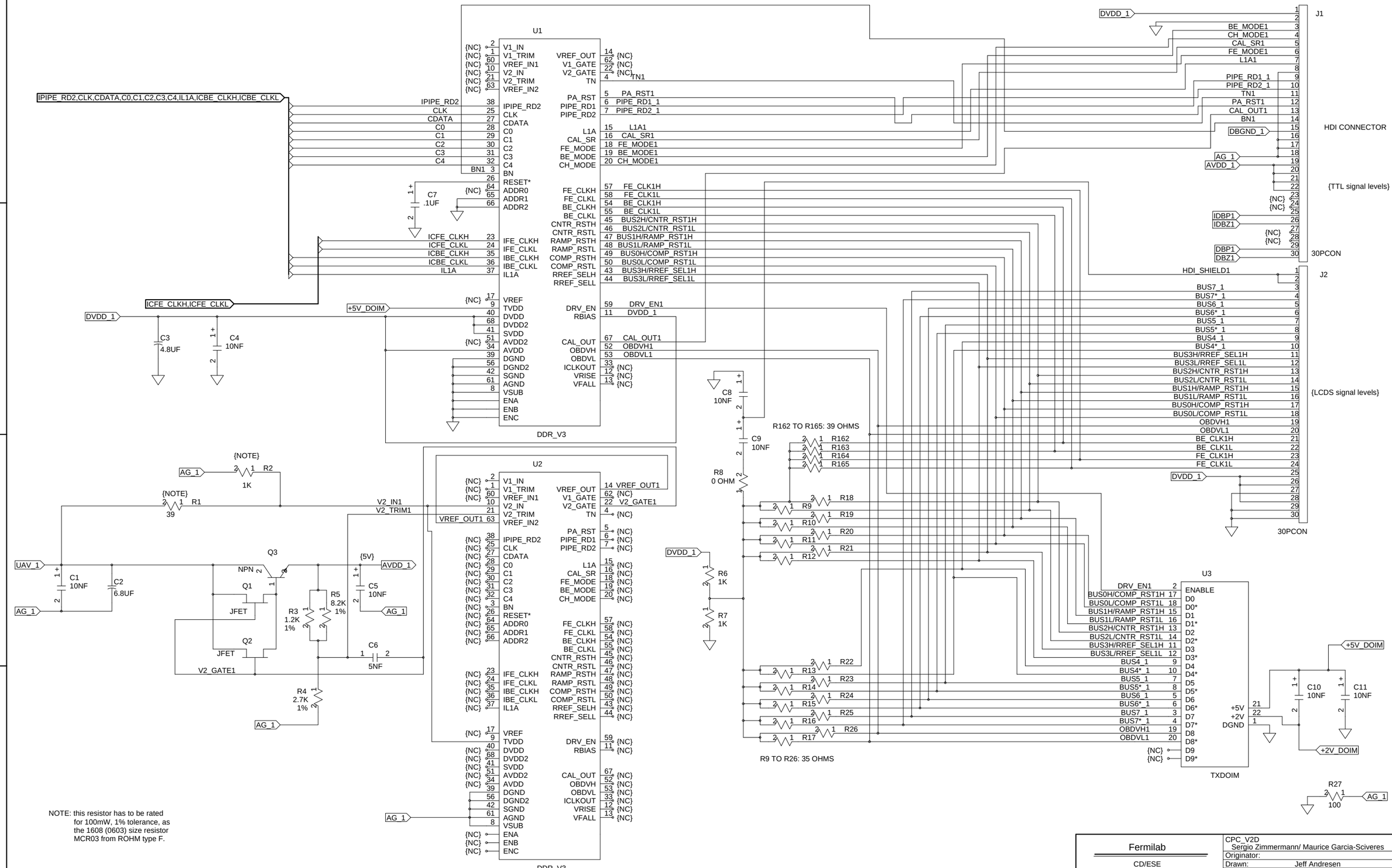
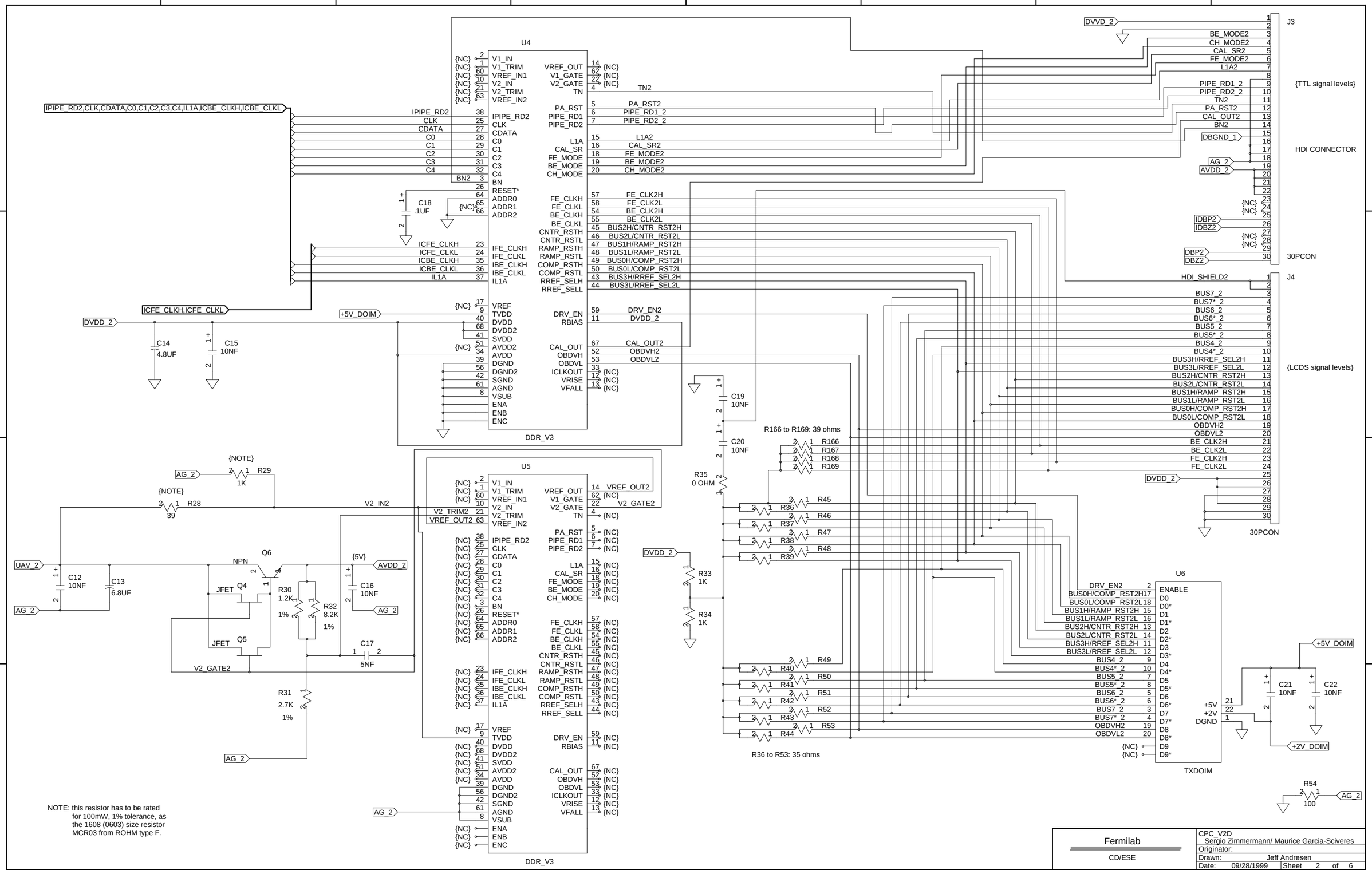
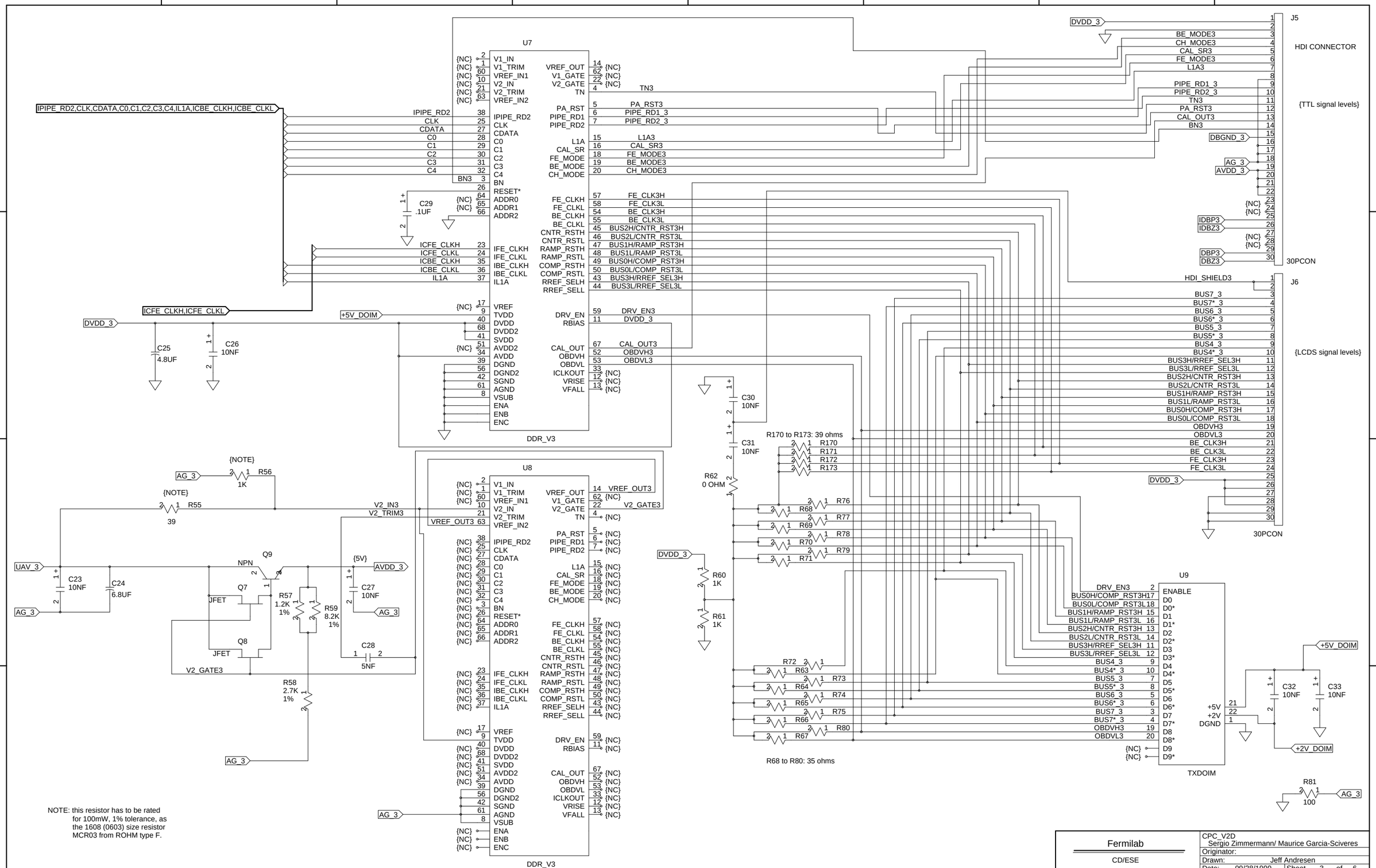
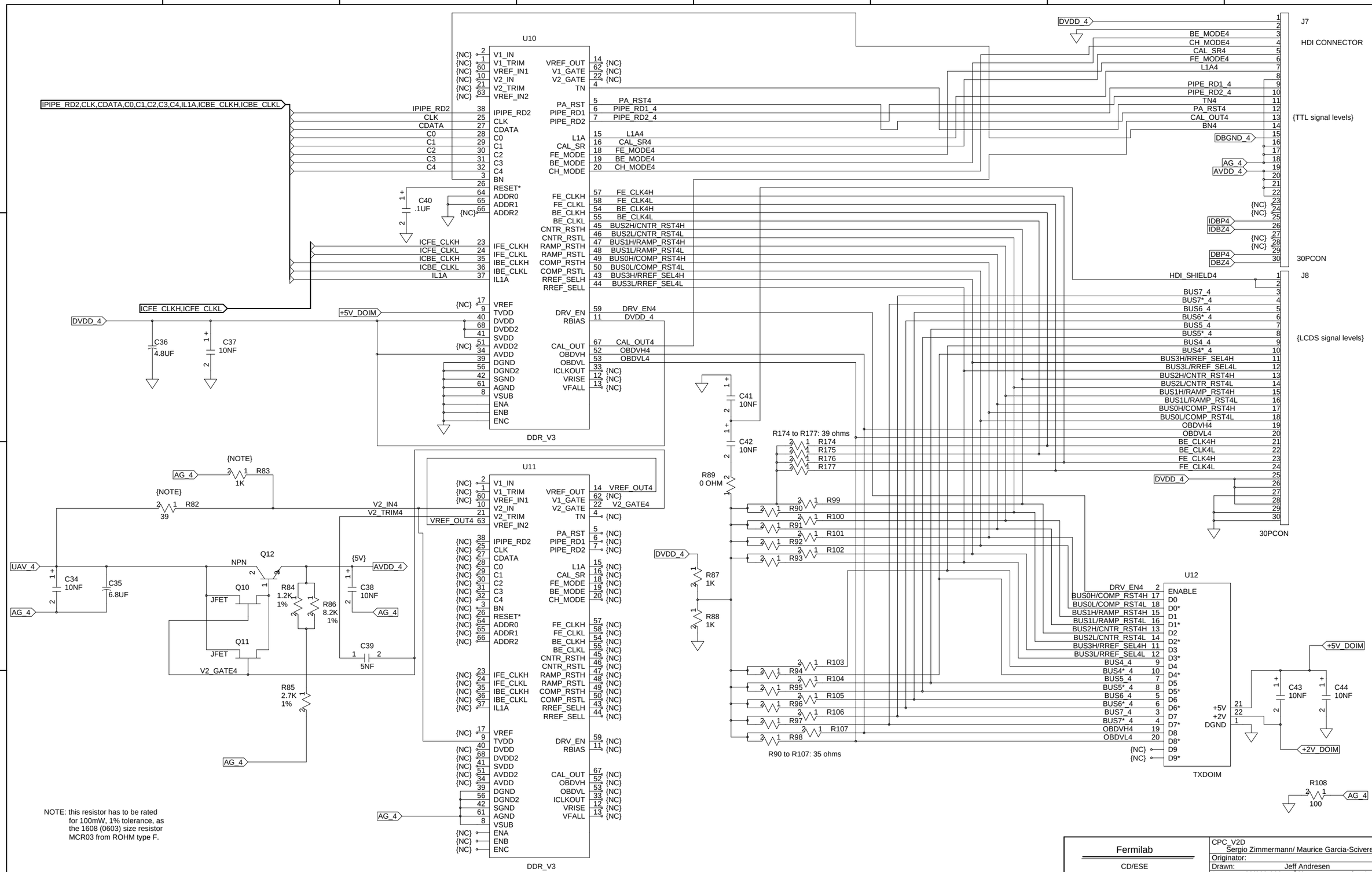
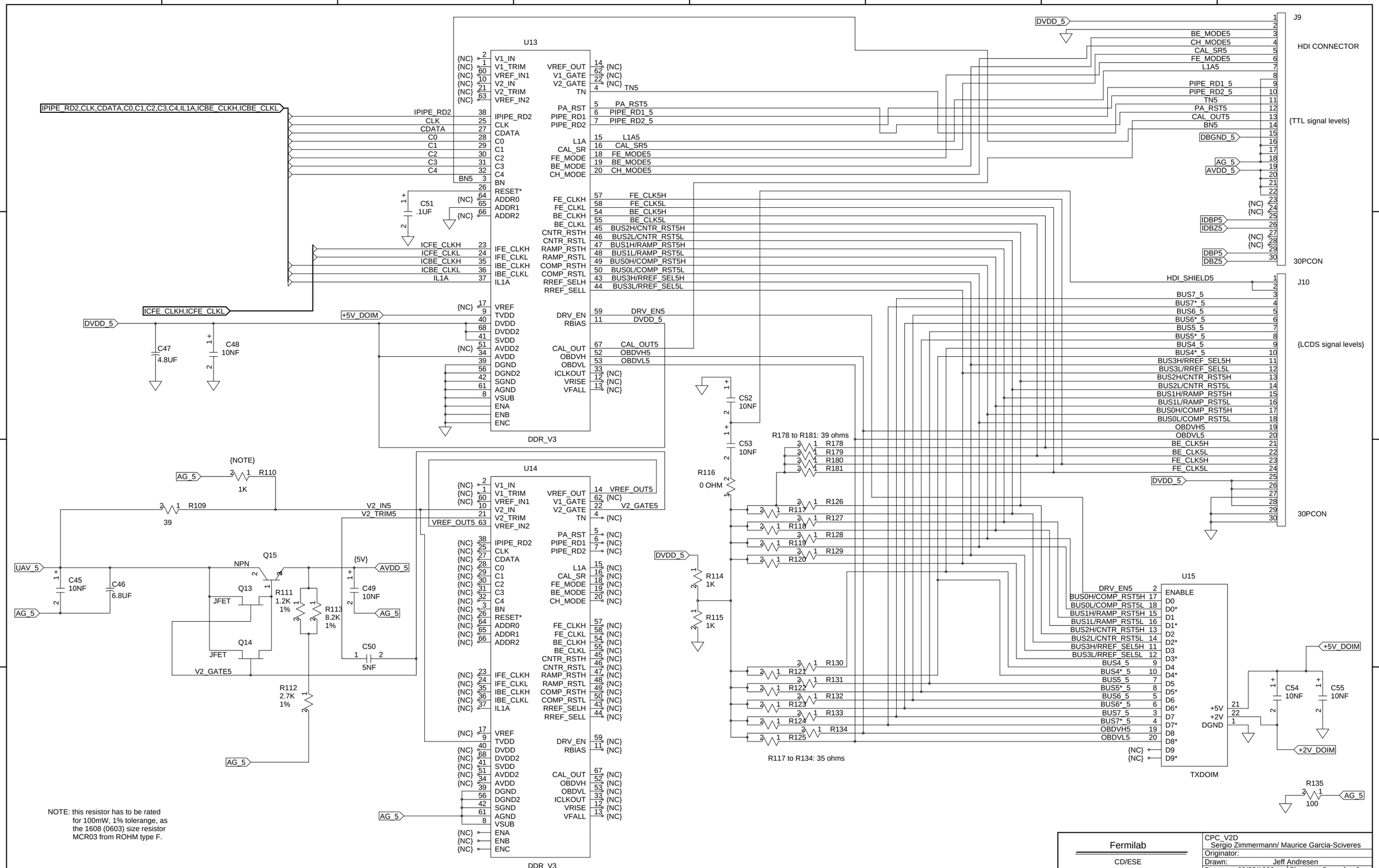

U1
DDR_V3
U2
DDR_V3
J1
HDI CONNECTOR
{TTL signal levels}
30PCON
J2
30PCON
{LCDS signal levels}
U3
TXDOIM
IPIPE_RD2,CLK,CDATA,C0,C1,C2,C3,C4,IL1A,ICBE_CLKH,ICBE_CLKL
ICFE_CLKH,ICFE_CLKL
DVDD_1
+5V_DOIM
AG_1
AVDD_1
DBGND_1
IDBP1
IDBZ1
DBP1
DBZ1
HDI_SHIELD1
UAV_1
{5V}
V2_IN1
V2_TRIM1
V2_GATE1
VREF_OUT1
+2V_DOIM
R162 TO R165: 39 OHMS
R9 TO R26: 35 OHMS
{NOTE}
NOTE: this resistor has to be rated for 100mW, 1% tolerance, as the 1608 (0603) size resistor MCR03 from ROHM type F.
Fermilab
CD/ESE
CPC_V2D
Sergio Zimmermann/ Maurice Garcia-Sciveres
Originator:
Drawn: Jeff Andresen
Date: 09/28/1999
Sheet 1 of 6


U4
DDR_V3
U5
DDR_V3
J3
{TTL signal levels}
HDI CONNECTOR
30PCON
J4
{LCDS signal levels}
30PCON
U6
TXDOIM
R166 to R169: 39 ohms
R36 to R53: 35 ohms
{NOTE}
NOTE: this resistor has to be rated for 100mW, 1% tolerance, as the 1608 (0603) size resistor MCR03 from ROHM type F.
Fermilab
CD/ESE
CPC_V2D
Sergio Zimmermann/ Maurice Garcia-Sciveres
Originator:
Drawn: Jeff Andresen
Date: 09/28/1999
Sheet 2 of 6

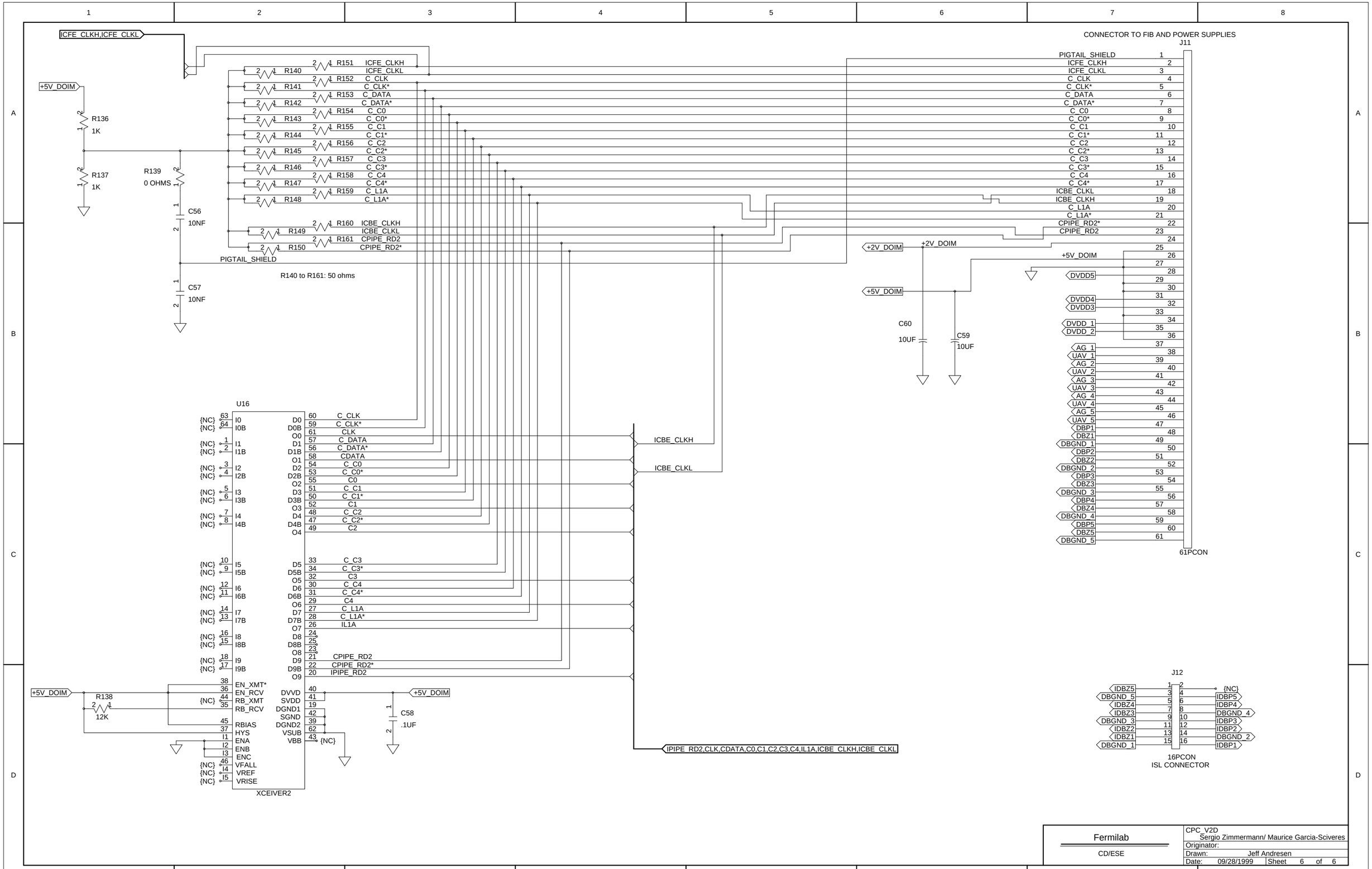

U7
DDR_V3
U8
DDR_V3
J5
HDI CONNECTOR
{TTL signal levels}
30PCON
J6
{LCDS signal levels}
30PCON
U9
TXDOIM
IPIPE_RD2,CLK,CDATA,C0,C1,C2,C3,C4,IL1A,ICBE_CLKH,ICBE_CLKL
ICFE_CLKH,ICFE_CLKL
DVDD_3
+5V_DOIM
C25 4.8UF
C26 10NF
C29 .1UF
C30 10NF
C31 10NF
R62 0 OHM
R170 to R173: 39 ohms
R68 to R80: 35 ohms
R60 1K
R61 1K
R56 1K
R55 39
UAV_3
AG_3
C23 10NF
C24 6.8UF
Q9
Q7
Q8
NPN
JFET
V2_IN3
V2_TRIM3
V2_GATE3
{5V}
AVDD_3
C27 10NF
C28 5NF
R57 1.2K 1%
R59 8.2K 1%
R58 2.7K 1%
C32 10NF
C33 10NF
+2V_DOIM
R81 100
NOTE: this resistor has to be rated for 100mW, 1% tolerance, as the 1608 (0603) size resistor MCR03 from ROHM type F.
Fermilab
CD/ESE
CPC_V2D
Sergio Zimmermann/ Maurice Garcia-Sciveres
Originator:
Drawn: Jeff Andresen
Date: 09/28/1999
Sheet 3 of 6



Fermilab	CPC_V2D
	Sergio Zimmermann/ Maurice Garcia-Sciveres
CD/ESE	Originator:
	Drawn: Jeff Andresen
	Date: 09/28/1999 Sheet 4 of 6



Fermilab	CPC_V2D
	Sergio Zimmermann/ Maurice Garcia-Sciveres
CD/ESE	Originator:
	Drawn: Jeff Andresen
	Date: 09/28/1999 Sheet 5 of 6



Fermilab	CPC_V2D
	Sergio Zimmermann/ Maurice Garcia-Sciveres
CD/ESE	Originator:
	Drawn: Jeff Andresen
	Date: 09/28/1999 Sheet 6 of 6