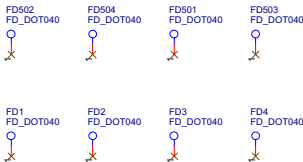
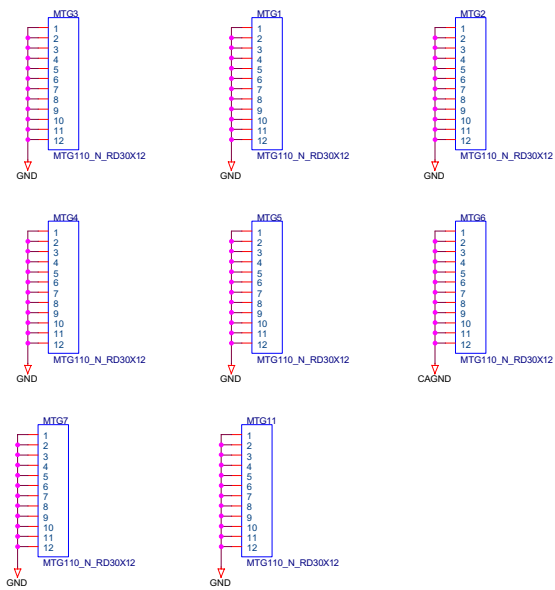
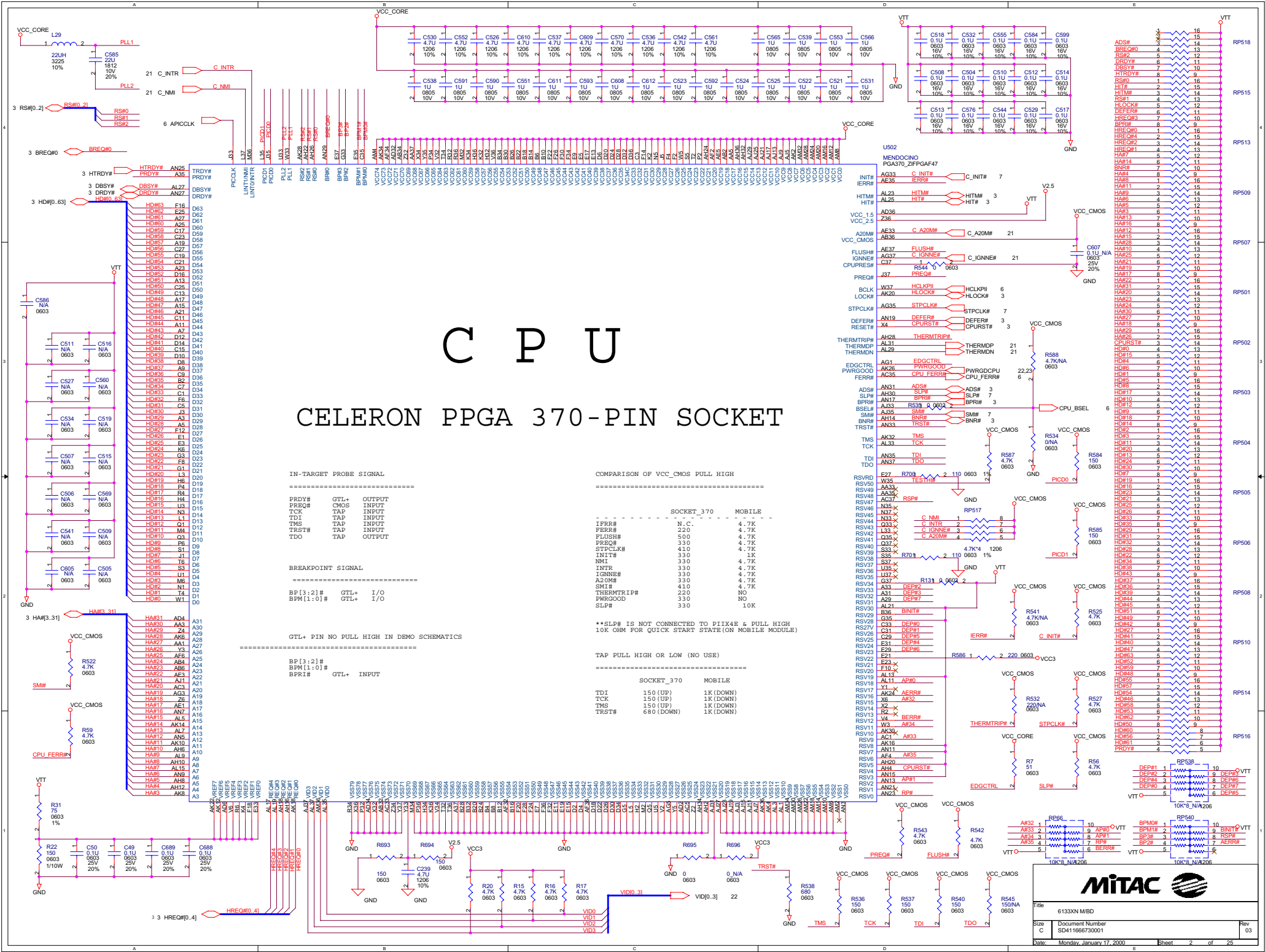


REV	DESCRIPTION OF CHANGE	ECO	DATE	APPROVAL
R00	Relayout base on 6133SX M/B R01 1. Replaced embeded controller from Hitachi H8 to NS PC87570. 2. Add Socket 370 FPGA CPU support. 3. Shared system BIOS memory. 4. Replace USB connector. 5. Remove 7408. 6. Remove 3384. 7. Remove 74164.		8/30/'99	
R01	1. Add VDD5N to do power reset. 2. Change T_DATA and T_CLK from port 1 to port 3. 3. Add cmos between core logic and EC to prevent current leakage. 4. Add 3384.		9/15/'99	
R02	1. Reserve FC-PGA solution. 2. Phase in EMI solution.		11/05/'99	
R03	1. Relayout to phase in Sanyo HPA LM-JK63-22NTR panel.		01/13/'00	



DRAWN:	DESIGN:	CHECK:	ISSUED:	MITAC 		
				Title 6133XN M/B D		
				Size C	Document Number SD4166/120003	Rev 03
				Date: Monday, January 17, 2000	Sheet 1 of 25	



C P U

CELERON PPGA 370-PIN SOCKET

IN-TARGET PROBE SIGNAL

PRDY#	GTL+ OUTPUT
PREQ#	CMOS INPUT
TCK	TAP INPUT
TDI	TAP INPUT
TMS	TAP INPUT
TRST#	TAP INPUT
TD0	TAP OUTPUT

BREAKPOINT SIGNAL

BP[3:2]#	GTL+ I/O
BPM[1:0]#	GTL+ I/O

GTL+ PIN NO PULL HIGH IN DEMO SCHEMATICS

BP[3:2]#	GTL+ INPUT
BPM[1:0]#	GTL+ INPUT

COMPARISON OF VCC_CMOS PULL HIGH

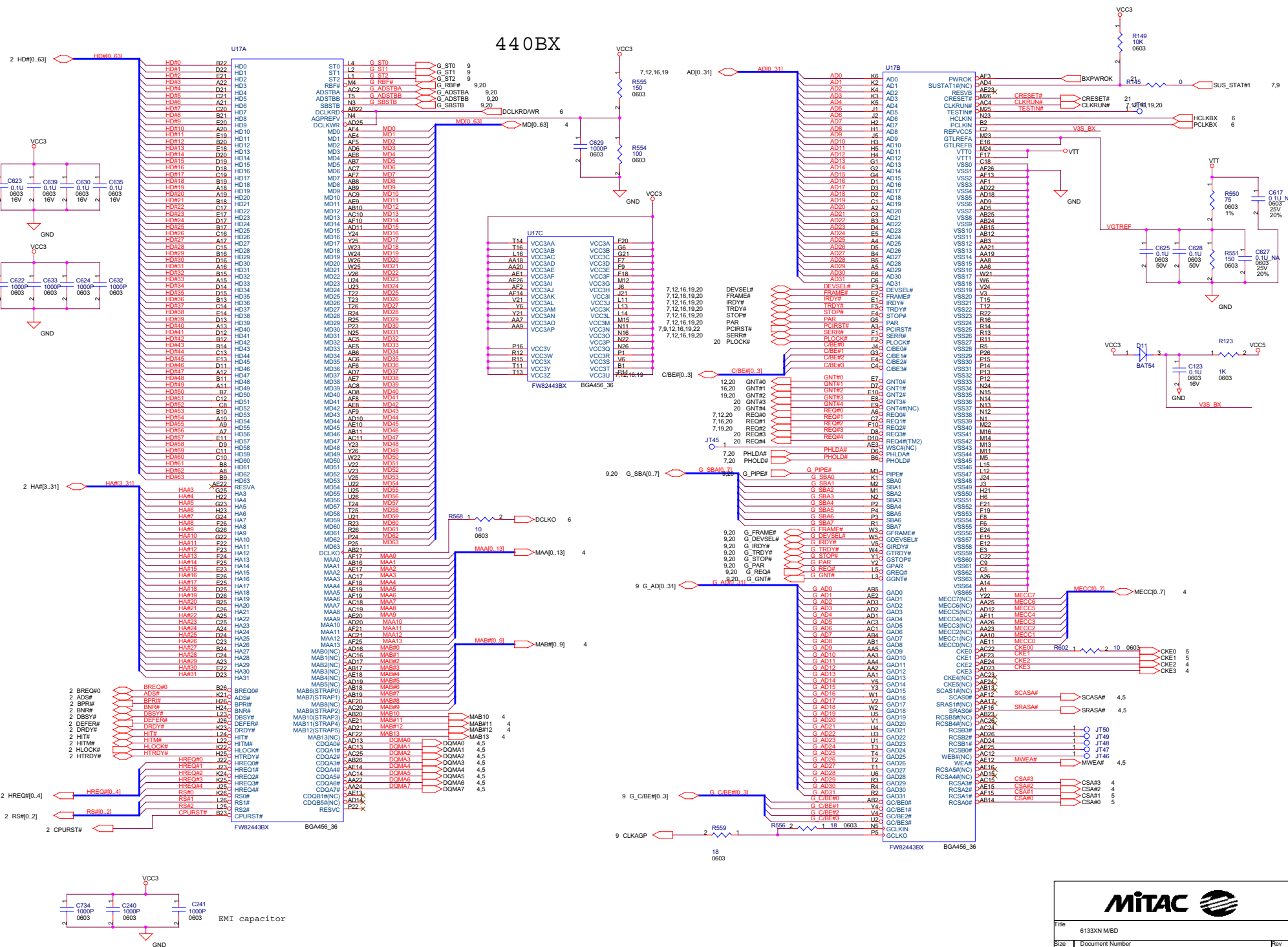
	SOCKET_370	MOBILE
IFPR#	N.C.	4.7K
FERR#	220	4.7K
FLUSH#	500	4.7K
PREQ#	330	4.7K
STPCLK#	330	4.7K
INIT#	330	4.7K
NNI	330	4.7K
INTR	330	4.7K
IONNE#	330	4.7K
A20M#	330	4.7K
SMI#	410	4.7K
THERMTRIP#	220	NO
PWRGOOD	330	NO
SLP#	330	10K

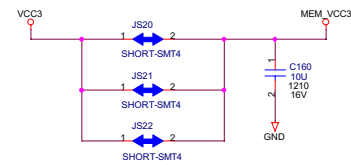
**SLP# IS NOT CONNECTED TO PIAX# & PULL HIGH
10K OHM FOR QUICK START STATE(ON MOBILE MODULE)

TAP PULL HIGH OR LOW (NO USE)

	SOCKET_370	MOBILE
TDI	150 (UP)	1K (DOWN)
TCK	150 (UP)	1K (DOWN)
TMS	150 (UP)	1K (DOWN)
TRST#	680 (DOWN)	1K (DOWN)

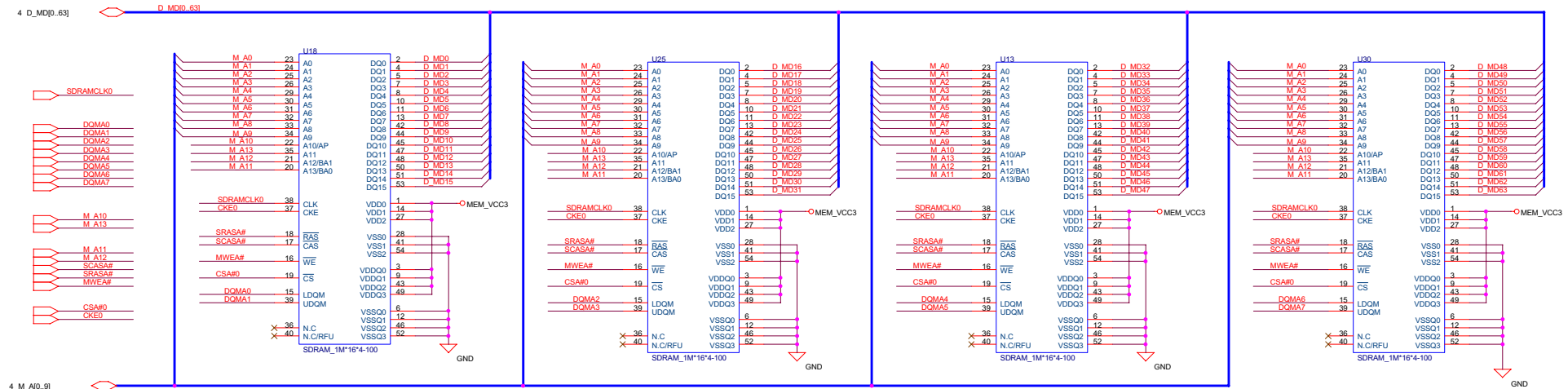
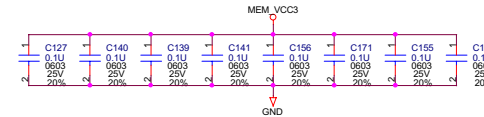
440BX





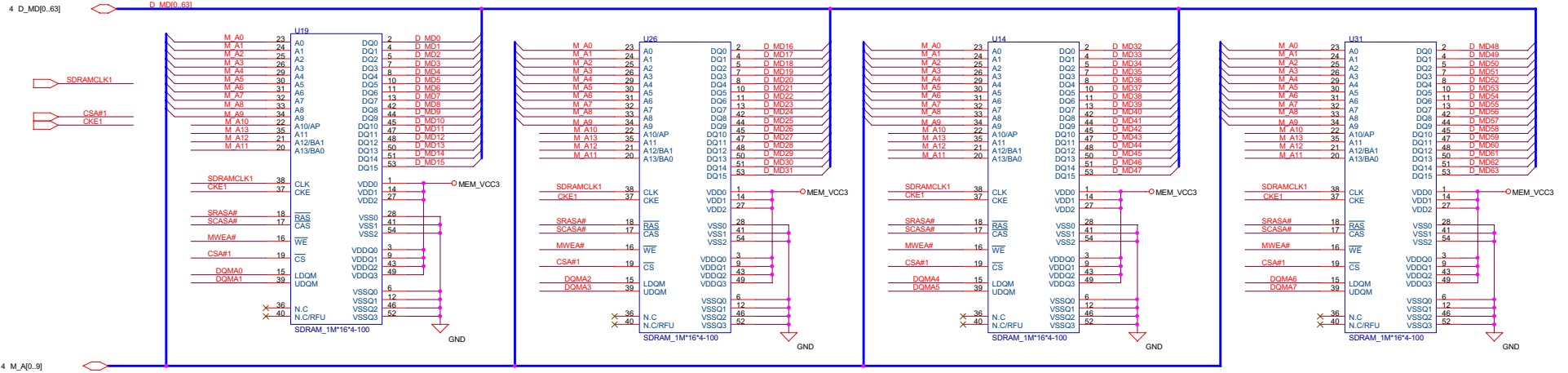
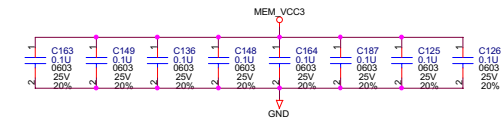
ON BOARD SDRAM 0 (32 MB)

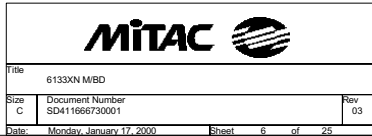
100MBZ SDRAM 4BANK*1M*16bit*4CHIPS



ON BOARD SDRAM 1 (32 MB), RESERVED ONLY

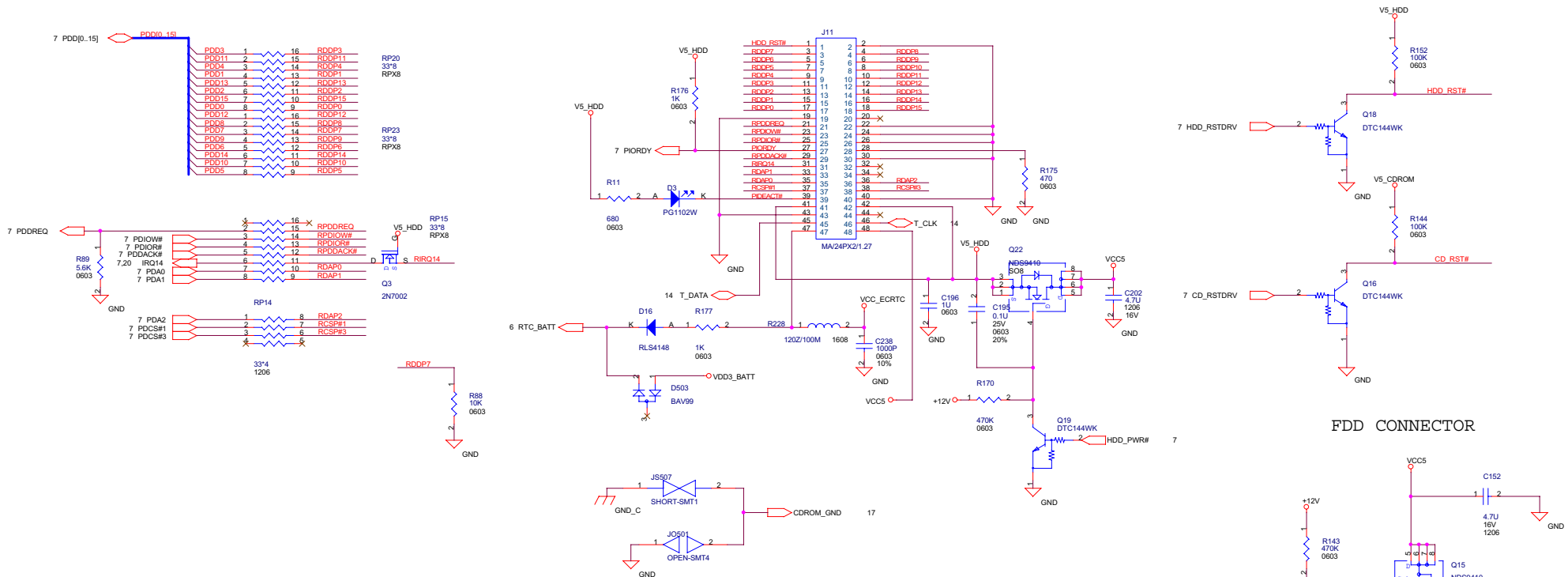
100MBZ SDRAM 4BANK*1M*16bit*4CHIPS



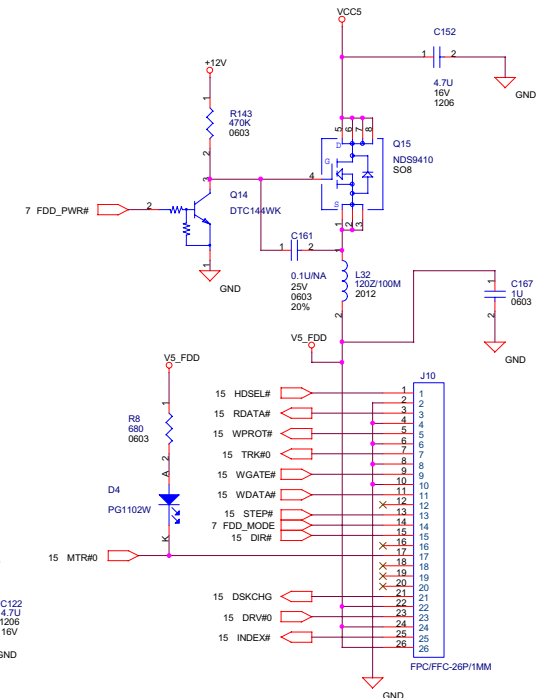




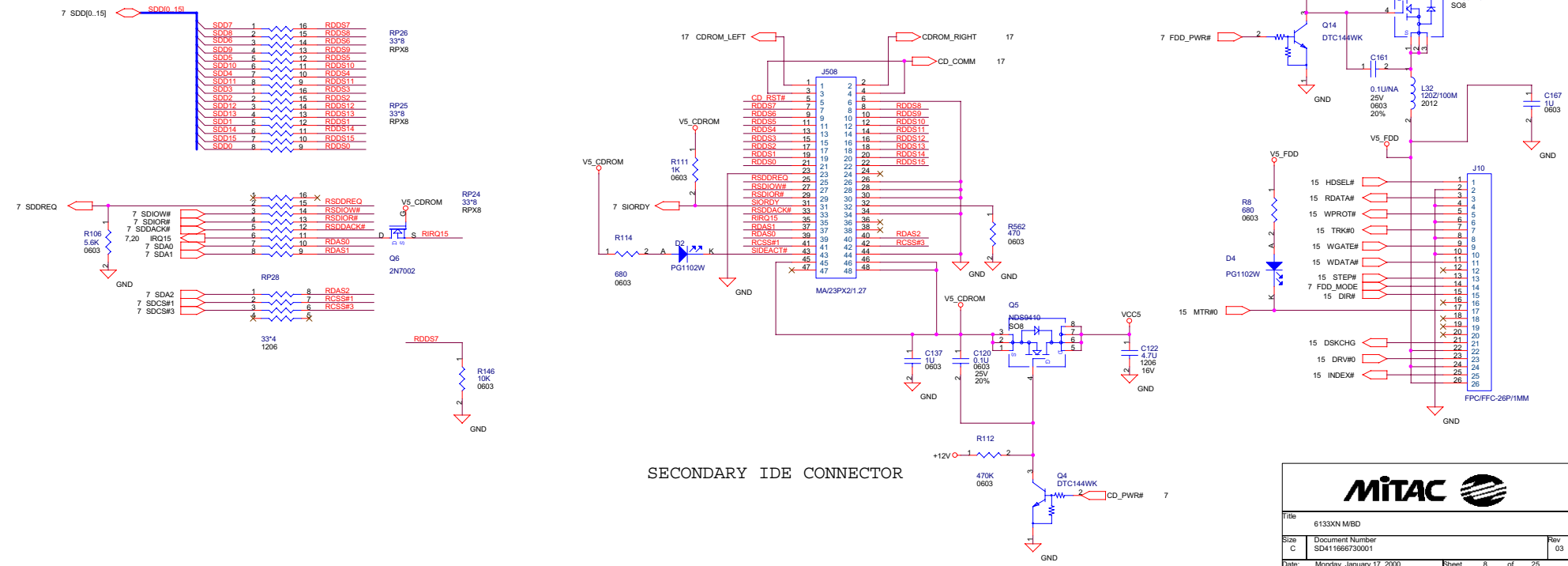
PRIMARY IDE & GLIDE PAD CONNECTOR

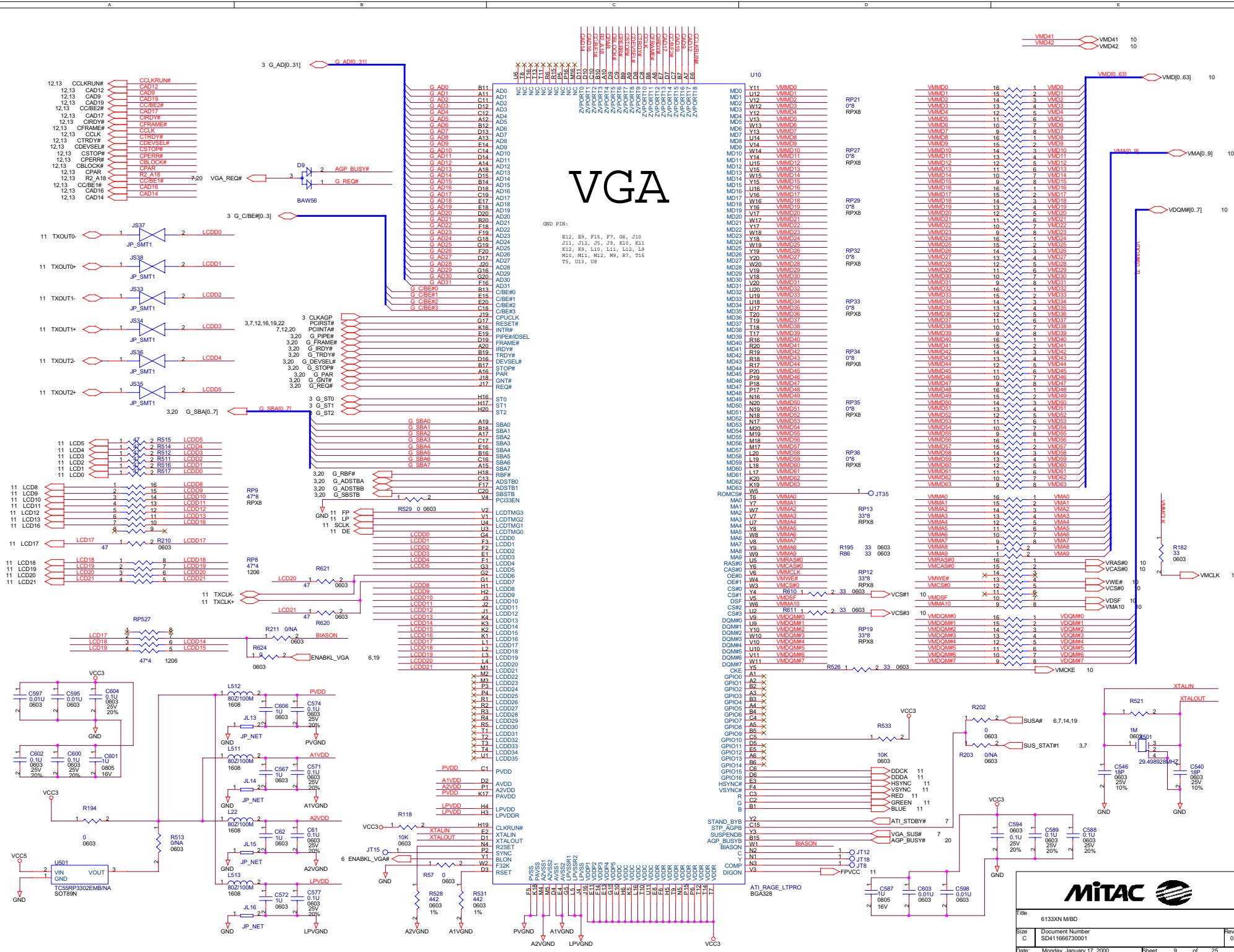


FDD CONNECTOR

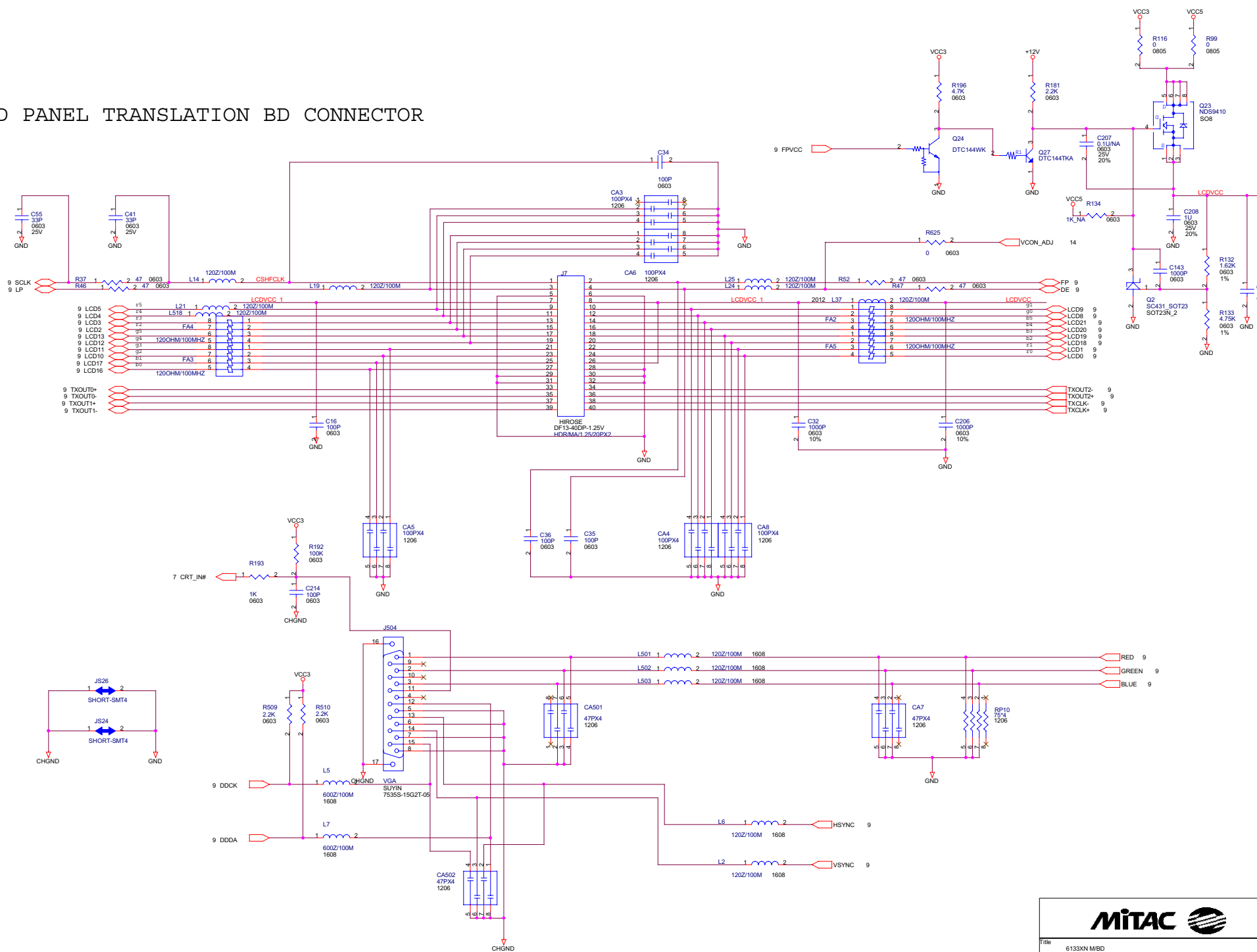


SECONDARY IDE CONNECTOR

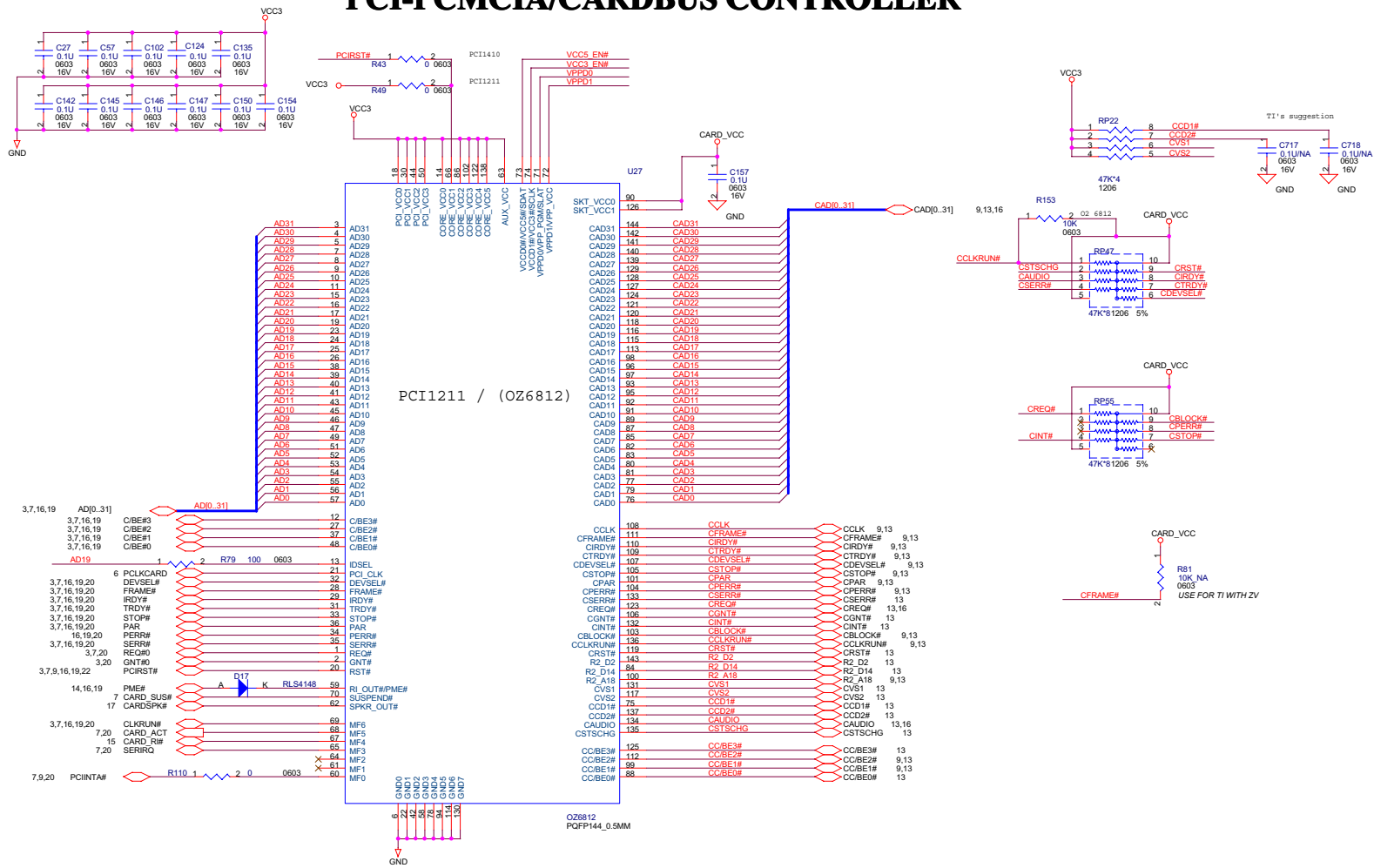




LCD PANEL TRANSLATION BD CONNECTOR



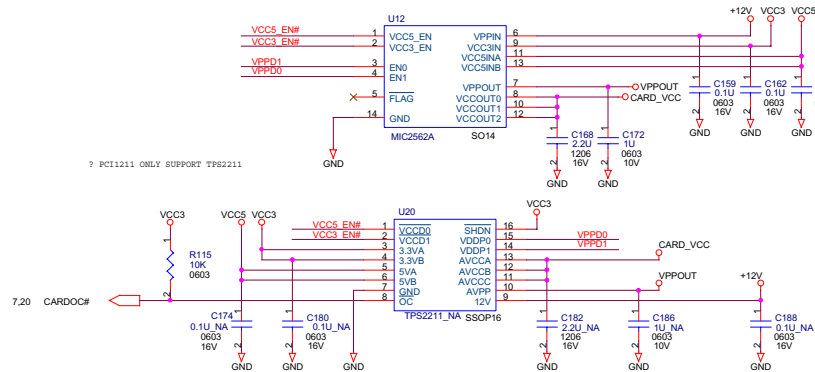
PCI-PCMCIA/CARDBUS CONTROLLER



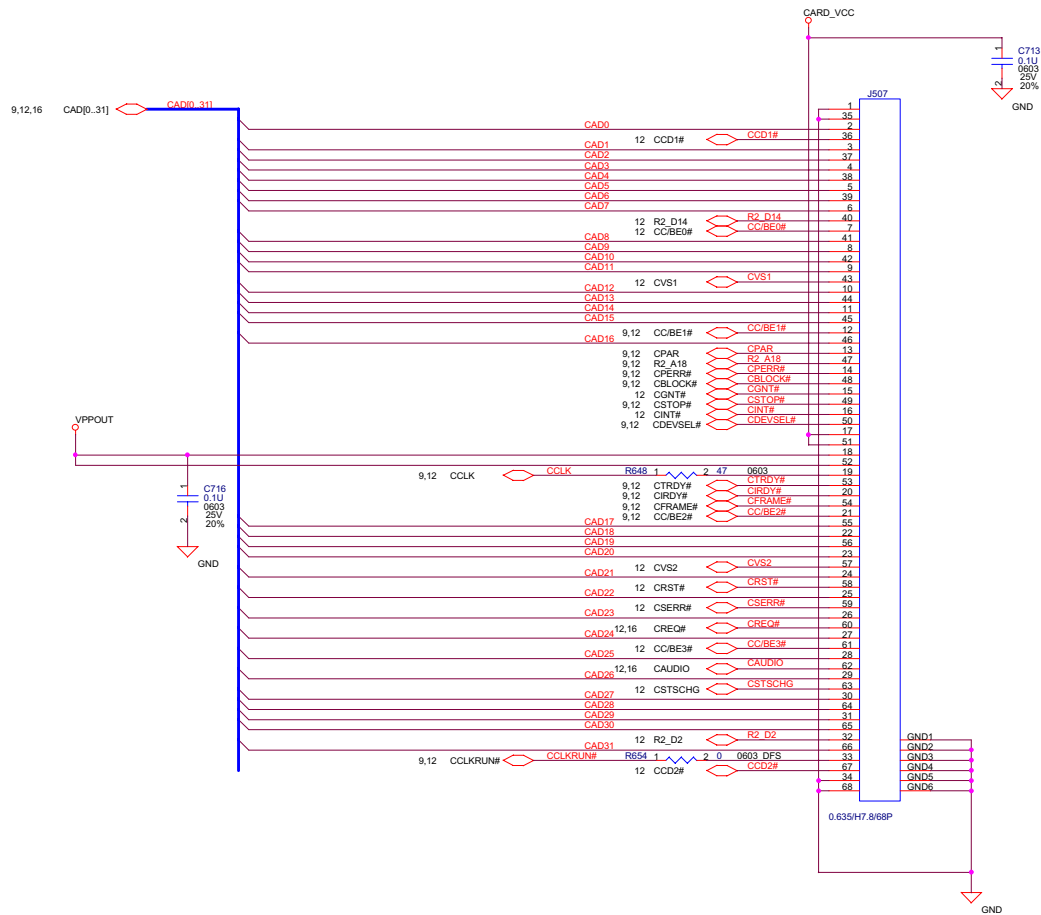
ZOOM-VIDEO SIGNALS

CLKRUN#
CAD12
CAD14
C7/BE1#
CPAR
CPERR#
CLKRUN#
C7/BE2#
CAD16
R2_A18
C7/BE3#
CSTOP#
C7/BE4#
CAD17
CAD19
CAD10
CRBQ#
CAD18
CAD10

ZV_VCLK
ZV_VEN#
ZV_VYNC
ZV_Y0
ZV_Y2
ZV_Y4
ZV_Y6
ZV_Y8
ZV_Y10
ZV_Y12
ZV_Y14
ZV_Y16
ZV_Y18
ZV_Y20
ZV_Y22
ZV_Y24
ZV_Y26
ZV_Y28
ZV_Y30
ZV_Y32
ZV_Y34
ZV_Y36
ZV_Y38
ZV_Y40
ZV_Y42
ZV_Y44
ZV_Y46
ZV_Y48
ZV_Y50
ZV_Y52
ZV_Y54
ZV_Y56
ZV_Y58
ZV_Y60
ZV_Y62
ZV_Y64
ZV_Y66
ZV_Y68
ZV_Y70
ZV_Y72
ZV_Y74
ZV_Y76
ZV_Y78
ZV_Y80
ZV_Y82
ZV_Y84
ZV_Y86
ZV_Y88
ZV_Y90
ZV_Y92
ZV_Y94
ZV_Y96
ZV_Y98
ZV_Y100
ZV_Y102
ZV_Y104
ZV_Y106
ZV_Y108
ZV_Y110
ZV_Y112
ZV_Y114
ZV_Y116
ZV_Y118
ZV_Y120
ZV_Y122
ZV_Y124
ZV_Y126
ZV_Y128
ZV_Y130
ZV_Y132
ZV_Y134
ZV_Y136
ZV_Y138
ZV_Y140
ZV_Y142
ZV_Y144
ZV_Y146
ZV_Y148
ZV_Y150
ZV_Y152
ZV_Y154
ZV_Y156
ZV_Y158
ZV_Y160
ZV_Y162
ZV_Y164
ZV_Y166
ZV_Y168
ZV_Y170
ZV_Y172
ZV_Y174
ZV_Y176
ZV_Y178
ZV_Y180
ZV_Y182
ZV_Y184
ZV_Y186
ZV_Y188
ZV_Y190
ZV_Y192
ZV_Y194
ZV_Y196
ZV_Y198
ZV_Y200
ZV_Y202
ZV_Y204
ZV_Y206
ZV_Y208
ZV_Y210
ZV_Y212
ZV_Y214
ZV_Y216
ZV_Y218
ZV_Y220
ZV_Y222
ZV_Y224
ZV_Y226
ZV_Y228
ZV_Y230
ZV_Y232
ZV_Y234
ZV_Y236
ZV_Y238
ZV_Y240
ZV_Y242
ZV_Y244
ZV_Y246
ZV_Y248
ZV_Y250
ZV_Y252
ZV_Y254
ZV_Y256
ZV_Y258
ZV_Y260
ZV_Y262
ZV_Y264
ZV_Y266
ZV_Y268
ZV_Y270
ZV_Y272
ZV_Y274
ZV_Y276
ZV_Y278
ZV_Y280
ZV_Y282
ZV_Y284
ZV_Y286
ZV_Y288
ZV_Y290
ZV_Y292
ZV_Y294
ZV_Y296
ZV_Y298
ZV_Y300
ZV_Y302
ZV_Y304
ZV_Y306
ZV_Y308
ZV_Y310
ZV_Y312
ZV_Y314
ZV_Y316
ZV_Y318
ZV_Y320
ZV_Y322
ZV_Y324
ZV_Y326
ZV_Y328
ZV_Y330
ZV_Y332
ZV_Y334
ZV_Y336
ZV_Y338
ZV_Y340
ZV_Y342
ZV_Y344
ZV_Y346
ZV_Y348
ZV_Y350
ZV_Y352
ZV_Y354
ZV_Y356
ZV_Y358
ZV_Y360
ZV_Y362
ZV_Y364
ZV_Y366
ZV_Y368
ZV_Y370
ZV_Y372
ZV_Y374
ZV_Y376
ZV_Y378
ZV_Y380
ZV_Y382
ZV_Y384
ZV_Y386
ZV_Y388
ZV_Y390
ZV_Y392
ZV_Y394
ZV_Y396
ZV_Y398
ZV_Y400
ZV_Y402
ZV_Y404
ZV_Y406
ZV_Y408
ZV_Y410
ZV_Y412
ZV_Y414
ZV_Y416
ZV_Y418
ZV_Y420
ZV_Y422
ZV_Y424
ZV_Y426
ZV_Y428
ZV_Y430
ZV_Y432
ZV_Y434
ZV_Y436
ZV_Y438
ZV_Y440
ZV_Y442
ZV_Y444
ZV_Y446
ZV_Y448
ZV_Y450
ZV_Y452
ZV_Y454
ZV_Y456
ZV_Y458
ZV_Y460
ZV_Y462
ZV_Y464
ZV_Y466
ZV_Y468
ZV_Y470
ZV_Y472
ZV_Y474
ZV_Y476
ZV_Y478
ZV_Y480
ZV_Y482
ZV_Y484
ZV_Y486
ZV_Y488
ZV_Y490
ZV_Y492
ZV_Y494
ZV_Y496
ZV_Y498
ZV_Y500
ZV_Y502
ZV_Y504
ZV_Y506
ZV_Y508
ZV_Y510
ZV_Y512
ZV_Y514
ZV_Y516
ZV_Y518
ZV_Y520
ZV_Y522
ZV_Y524
ZV_Y526
ZV_Y528
ZV_Y530
ZV_Y532
ZV_Y534
ZV_Y536
ZV_Y538
ZV_Y540
ZV_Y542
ZV_Y544
ZV_Y546
ZV_Y548
ZV_Y550
ZV_Y552
ZV_Y554
ZV_Y556
ZV_Y558
ZV_Y560
ZV_Y562
ZV_Y564
ZV_Y566
ZV_Y568
ZV_Y570
ZV_Y572
ZV_Y574
ZV_Y576
ZV_Y578
ZV_Y580
ZV_Y582
ZV_Y584
ZV_Y586
ZV_Y588
ZV_Y590
ZV_Y592
ZV_Y594
ZV_Y596
ZV_Y598
ZV_Y600
ZV_Y602
ZV_Y604
ZV_Y606
ZV_Y608
ZV_Y610
ZV_Y612
ZV_Y614
ZV_Y616
ZV_Y618
ZV_Y620
ZV_Y622
ZV_Y624
ZV_Y626
ZV_Y628
ZV_Y630
ZV_Y632
ZV_Y634
ZV_Y636
ZV_Y638
ZV_Y640
ZV_Y642
ZV_Y644
ZV_Y646
ZV_Y648
ZV_Y650
ZV_Y652
ZV_Y654
ZV_Y656
ZV_Y658
ZV_Y660
ZV_Y662
ZV_Y664
ZV_Y666
ZV_Y668
ZV_Y670
ZV_Y672
ZV_Y674
ZV_Y676
ZV_Y678
ZV_Y680
ZV_Y682
ZV_Y684
ZV_Y686
ZV_Y688
ZV_Y690
ZV_Y692
ZV_Y694
ZV_Y696
ZV_Y698
ZV_Y700
ZV_Y702
ZV_Y704
ZV_Y706
ZV_Y708
ZV_Y710
ZV_Y712
ZV_Y714
ZV_Y716
ZV_Y718
ZV_Y720
ZV_Y722
ZV_Y724
ZV_Y726
ZV_Y728
ZV_Y730
ZV_Y732
ZV_Y734
ZV_Y736
ZV_Y738
ZV_Y740
ZV_Y742
ZV_Y744
ZV_Y746
ZV_Y748
ZV_Y750
ZV_Y752
ZV_Y754
ZV_Y756
ZV_Y758
ZV_Y760
ZV_Y762
ZV_Y764
ZV_Y766
ZV_Y768
ZV_Y770
ZV_Y772
ZV_Y774
ZV_Y776
ZV_Y778
ZV_Y780
ZV_Y782
ZV_Y784
ZV_Y786
ZV_Y788
ZV_Y790
ZV_Y792
ZV_Y794
ZV_Y796
ZV_Y798
ZV_Y800
ZV_Y802
ZV_Y804
ZV_Y806
ZV_Y808
ZV_Y810
ZV_Y812
ZV_Y814
ZV_Y816
ZV_Y818
ZV_Y820
ZV_Y822
ZV_Y824
ZV_Y826
ZV_Y828
ZV_Y830
ZV_Y832
ZV_Y834
ZV_Y836
ZV_Y838
ZV_Y840
ZV_Y842
ZV_Y844
ZV_Y846
ZV_Y848
ZV_Y850
ZV_Y852
ZV_Y854
ZV_Y856
ZV_Y858
ZV_Y860
ZV_Y862
ZV_Y864
ZV_Y866
ZV_Y868
ZV_Y870
ZV_Y872
ZV_Y874
ZV_Y876
ZV_Y878
ZV_Y880
ZV_Y882
ZV_Y884
ZV_Y886
ZV_Y888
ZV_Y890
ZV_Y892
ZV_Y894
ZV_Y896
ZV_Y898
ZV_Y900
ZV_Y902
ZV_Y904
ZV_Y906
ZV_Y908
ZV_Y910
ZV_Y912
ZV_Y914
ZV_Y916
ZV_Y918
ZV_Y920
ZV_Y922
ZV_Y924
ZV_Y926
ZV_Y928
ZV_Y930
ZV_Y932
ZV_Y934
ZV_Y936
ZV_Y938
ZV_Y940
ZV_Y942
ZV_Y944
ZV_Y946
ZV_Y948
ZV_Y950
ZV_Y952
ZV_Y954
ZV_Y956
ZV_Y958
ZV_Y960
ZV_Y962
ZV_Y964
ZV_Y966
ZV_Y968
ZV_Y970
ZV_Y972
ZV_Y974
ZV_Y976
ZV_Y978
ZV_Y980
ZV_Y982
ZV_Y984
ZV_Y986
ZV_Y988
ZV_Y990
ZV_Y992
ZV_Y994
ZV_Y996
ZV_Y998
ZV_Y1000

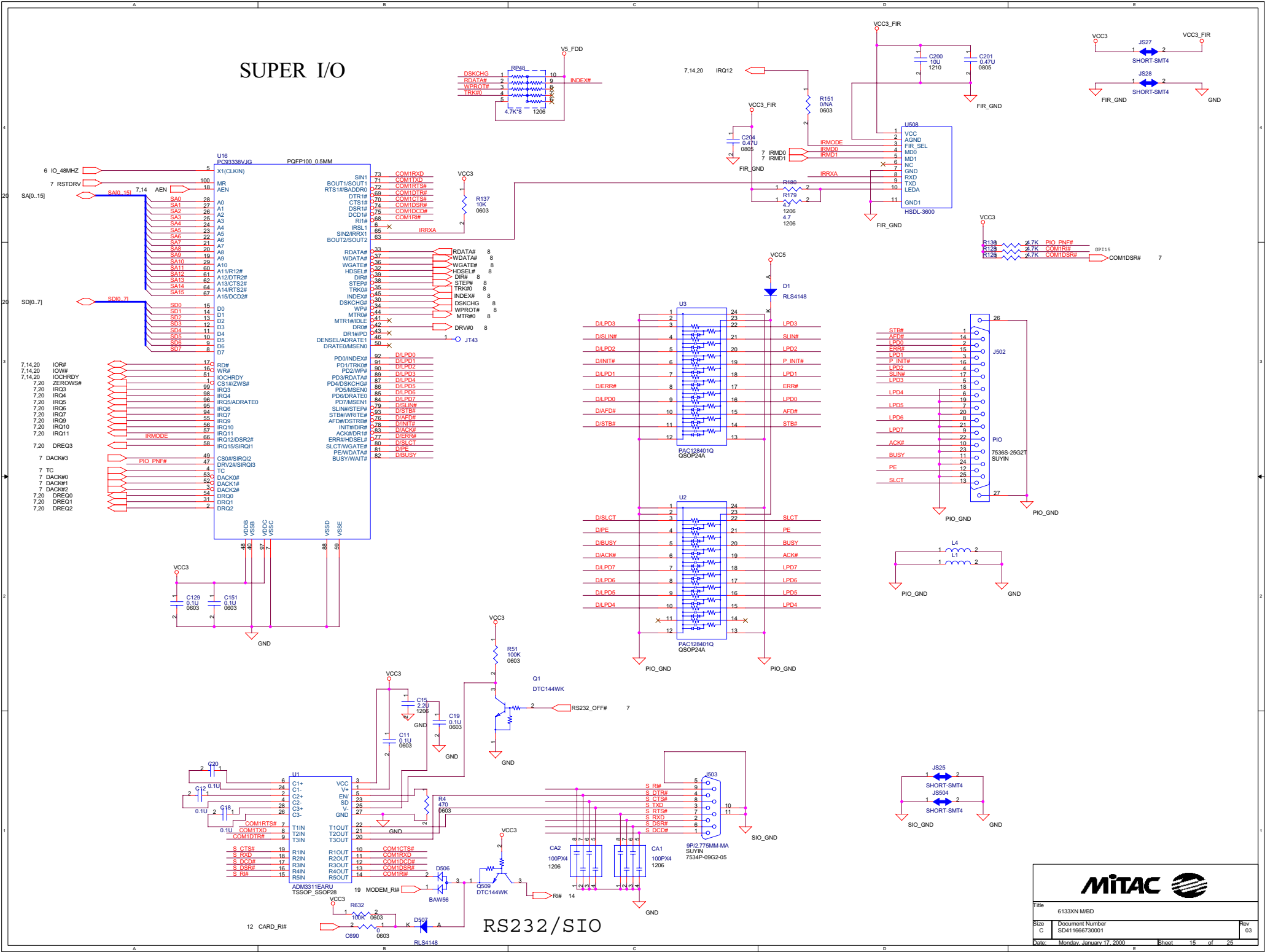


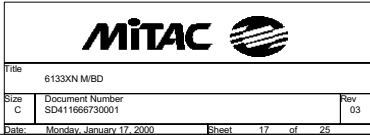
PCMCIA/ CARDBUS SLOT

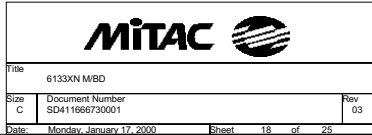




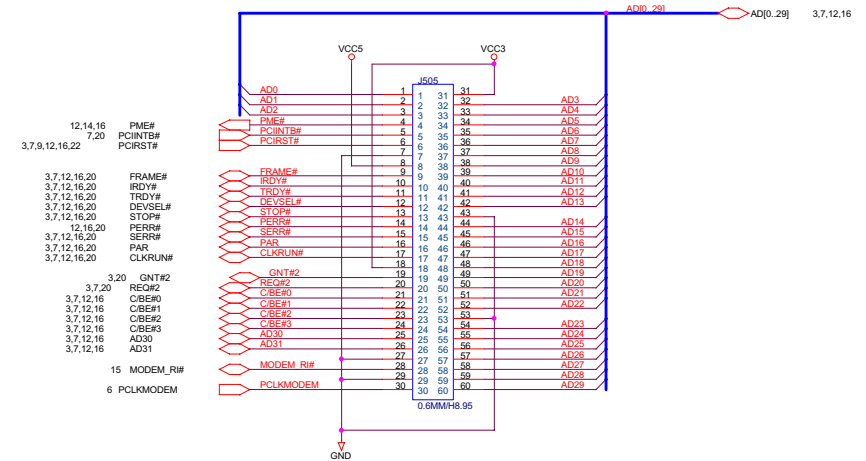
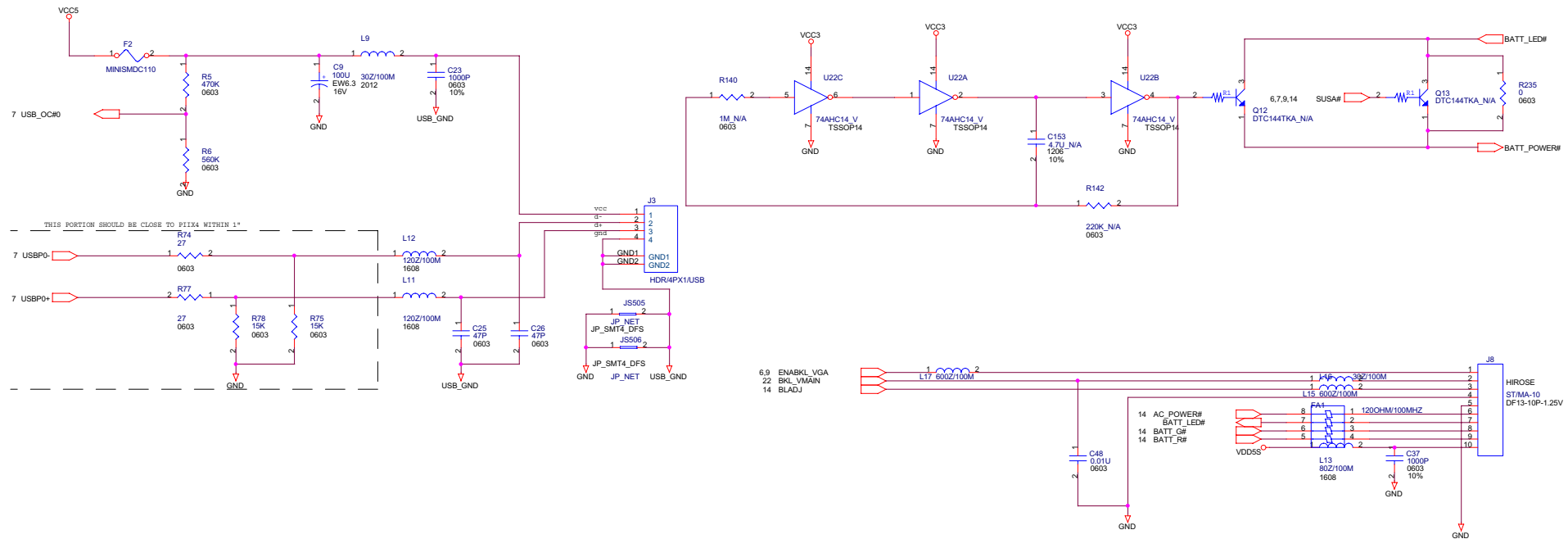
SUPER I/O





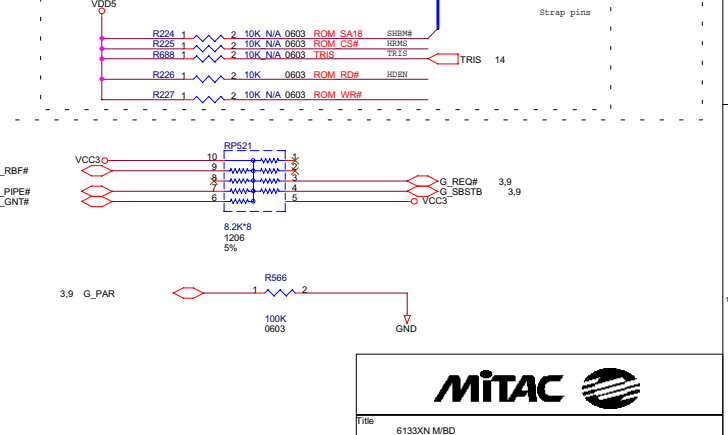
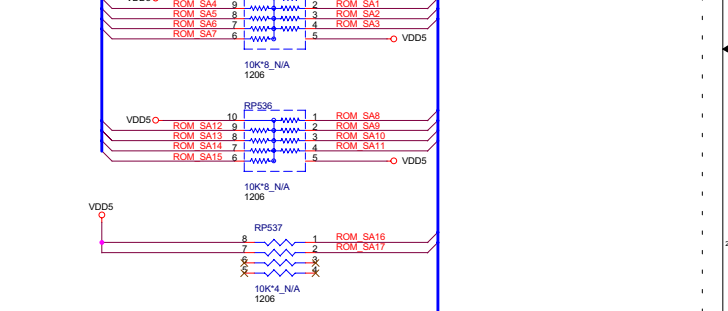
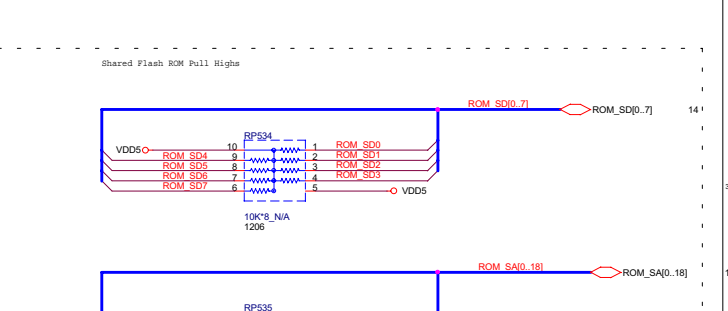
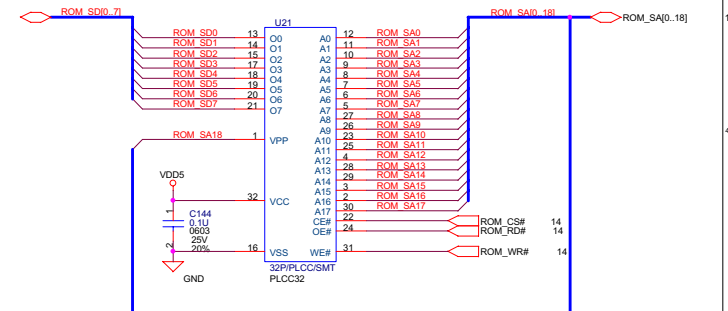


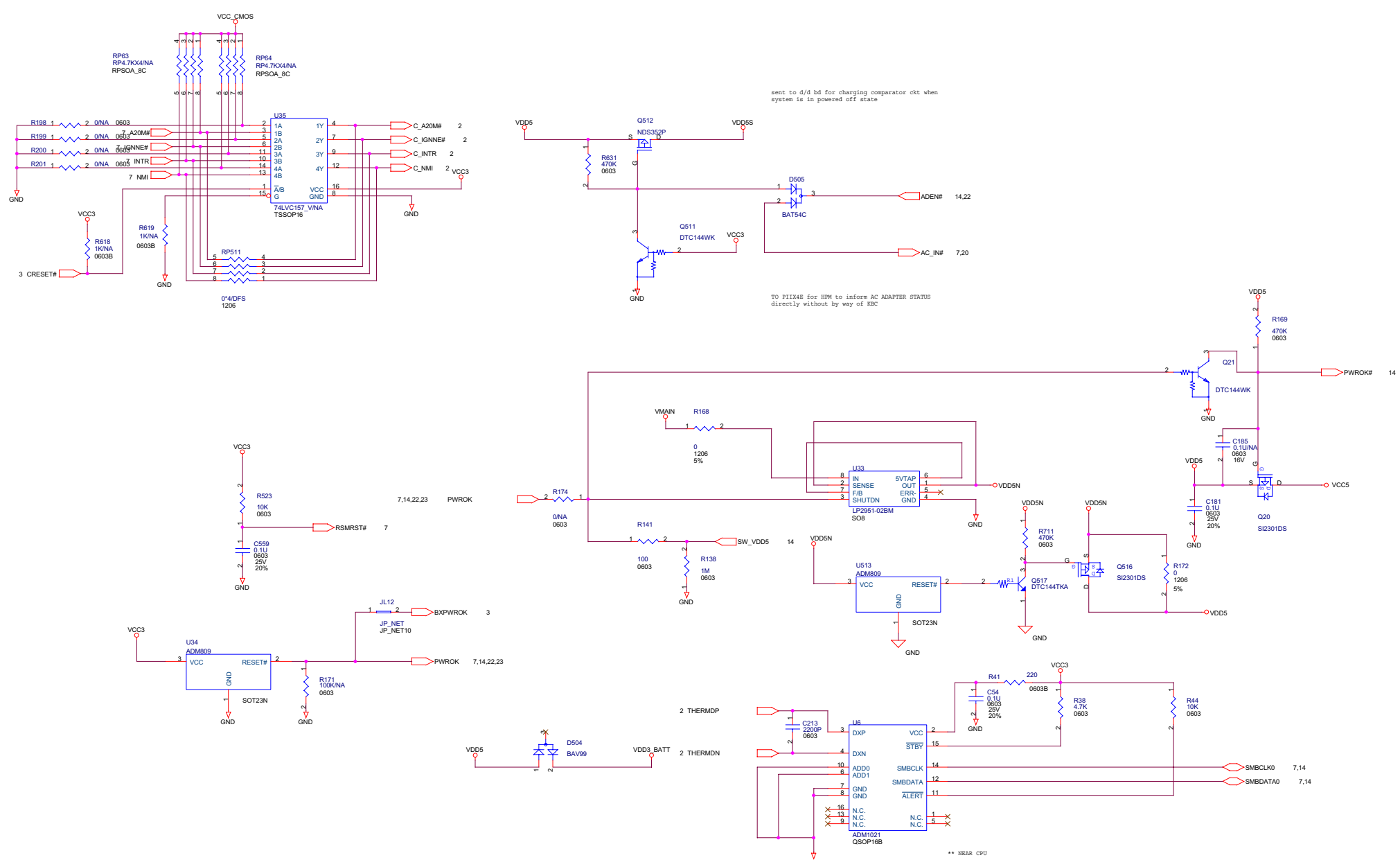
USB CONNECTOR



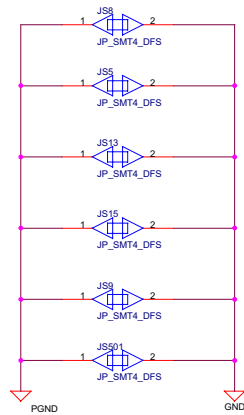
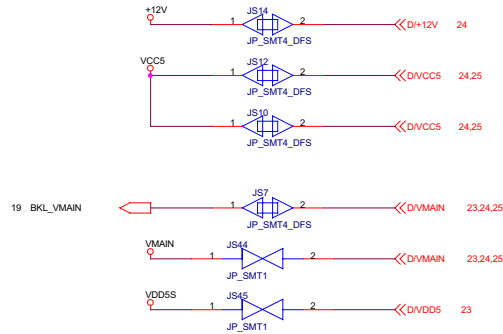
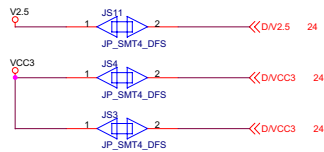
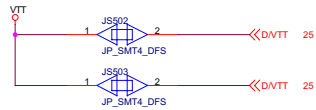
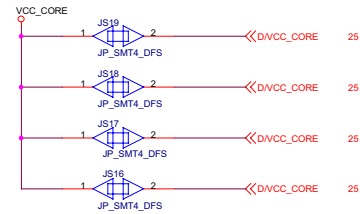
FAX/MODEM CONNECTOR

SYSTEM BIOS



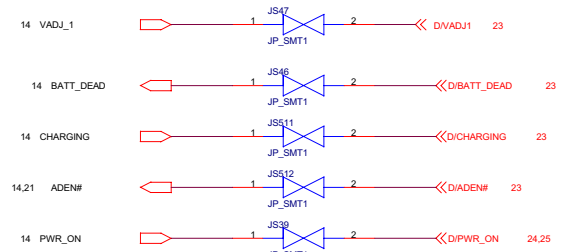
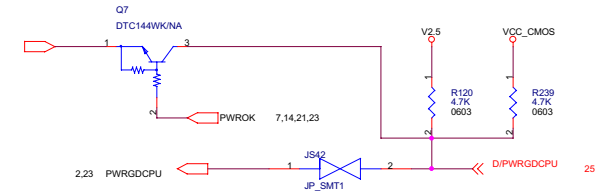


SUSTAT1#	SUSTAT2#	SOSA#	SUSC#		VDD5	VDD5S	VDD3	+12V	VCC5	VCC3	V2.5	VTT_CPUCORE	V_L2CORE	V_L2_I/O
O	O	O	O	FULL ON	O	O	O	O	O	O	O	O	O	O
X	X	X	O	POS	O	O	O	O	O	O	O	O	O	O
X	X	X	O	STR	O	O	O	O	O	O	X	X	X	X
X	X	X	X	STD(SOFT OFF) (ACTN OR BATTERY IN)	O	O / X	O	X	X	X	X	X	X	X
X	X	X	X	MECH OFF (NO ACTN & NO BATT)	X	ADIR X	X	X	X	X	X	X	X	X



3,7,9,12,16,19

PCIRST#



2 VID[0..3]

