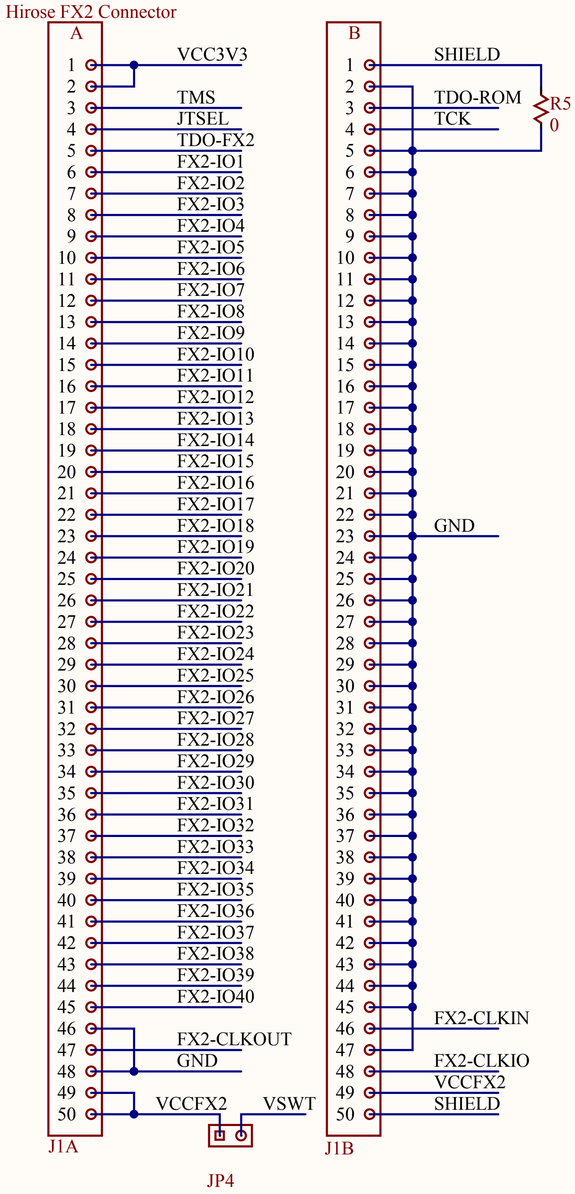
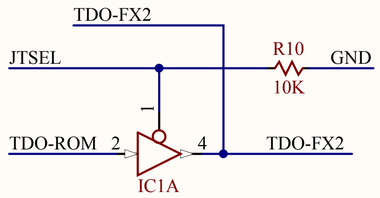
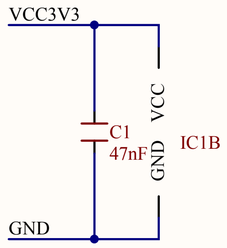
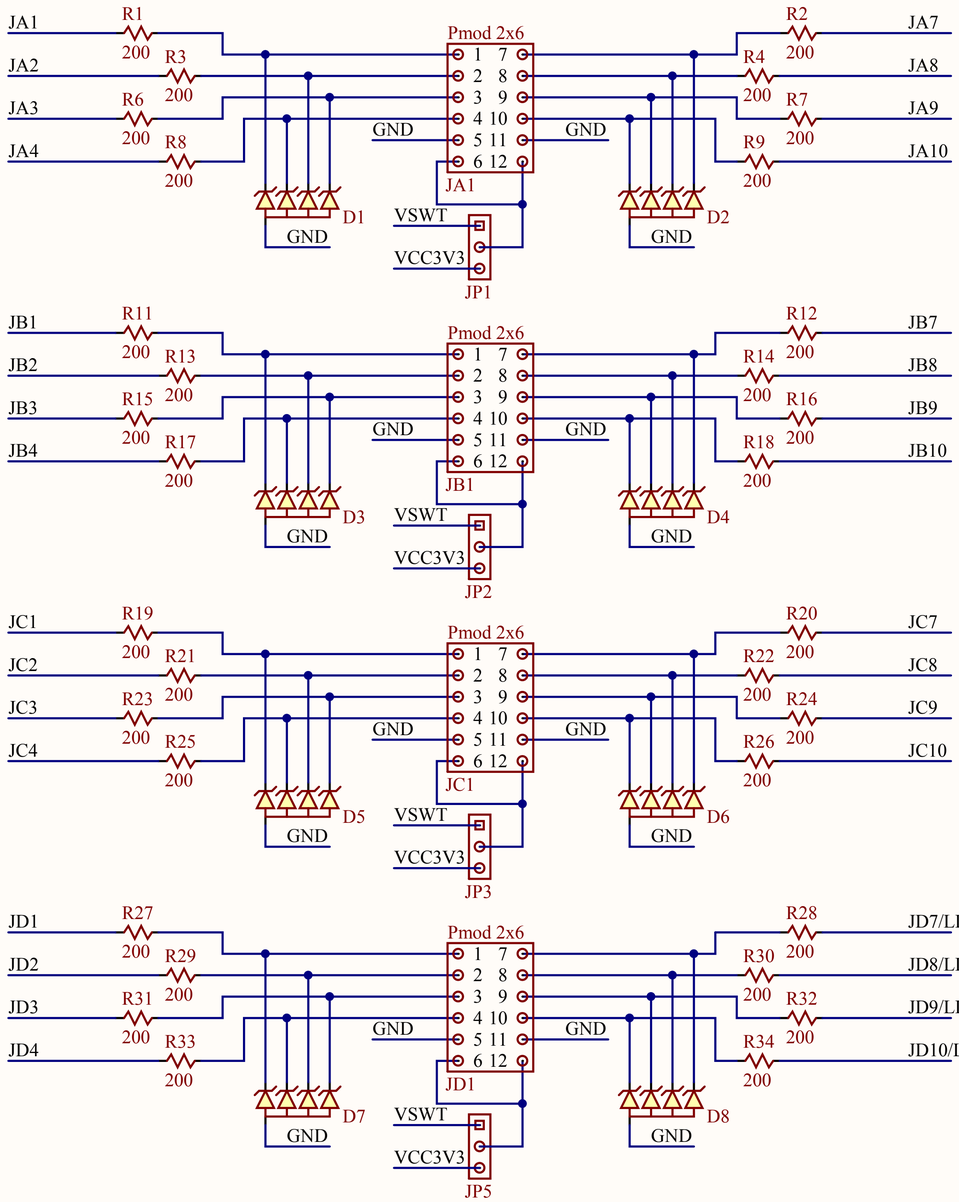
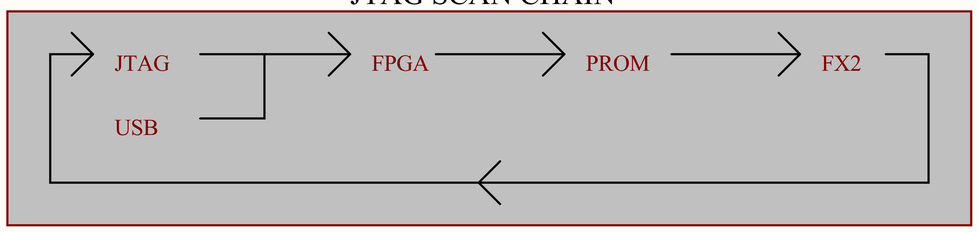




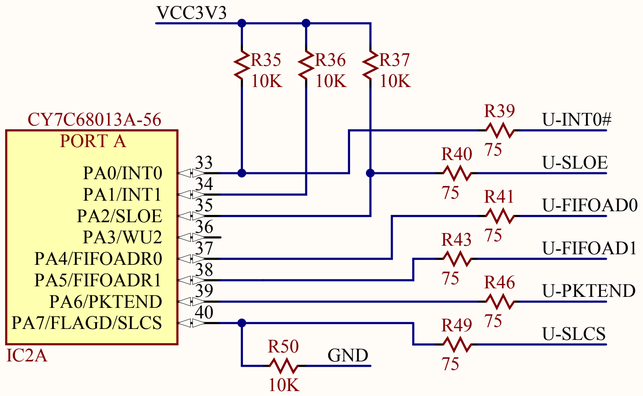


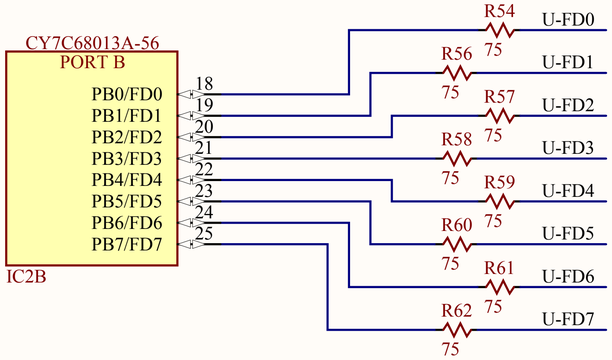


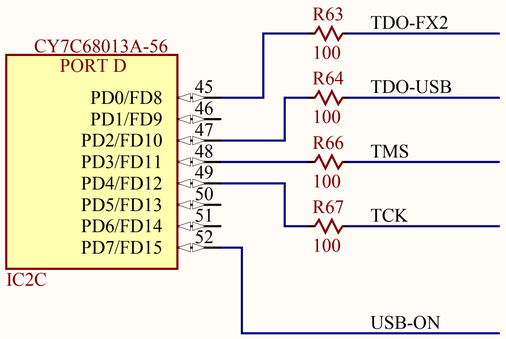


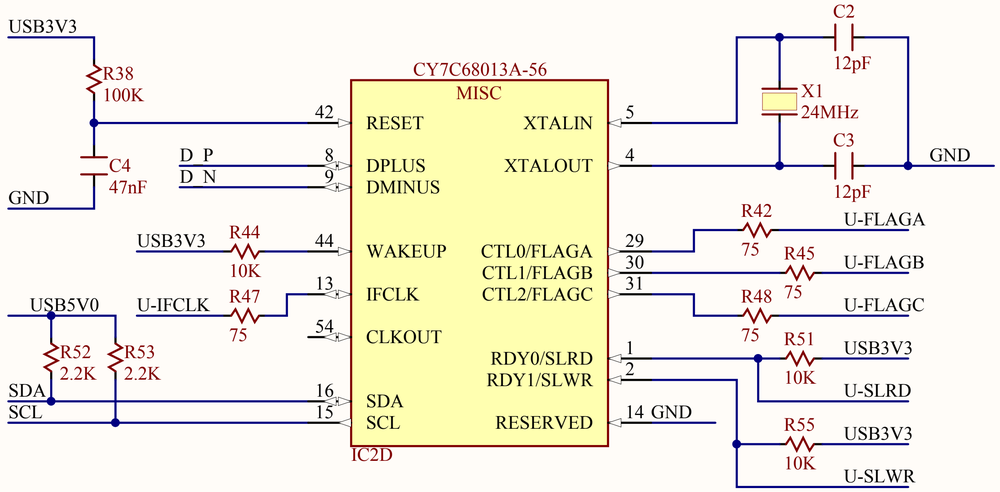
Title	Nexys II
Rev	C.0
Copyright	2007
Circuit	FX2 and Pmod Connectors
Doc#	500-134
Engineer	NEA
Author	GMA
Date	7/19/2007
Sheet#	01 out of 11

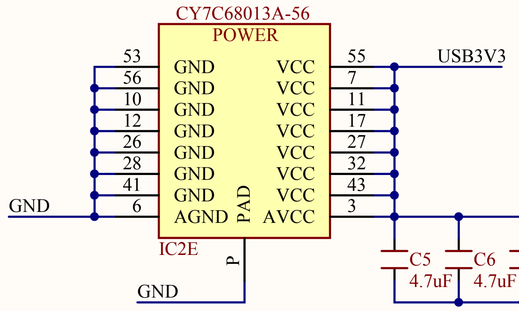
DIGILENT
www.digilentinc.com

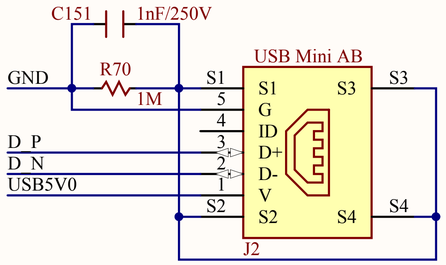


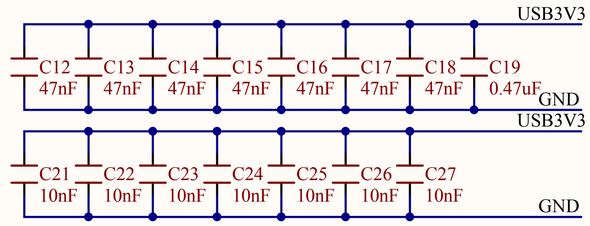


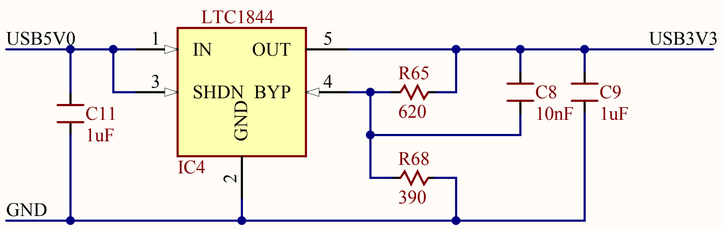


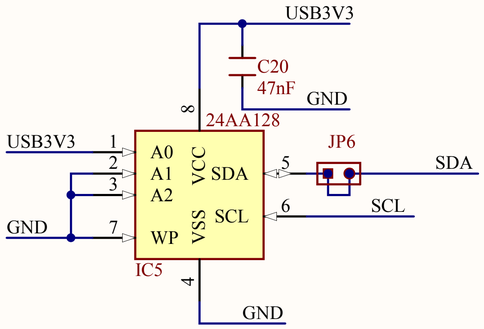








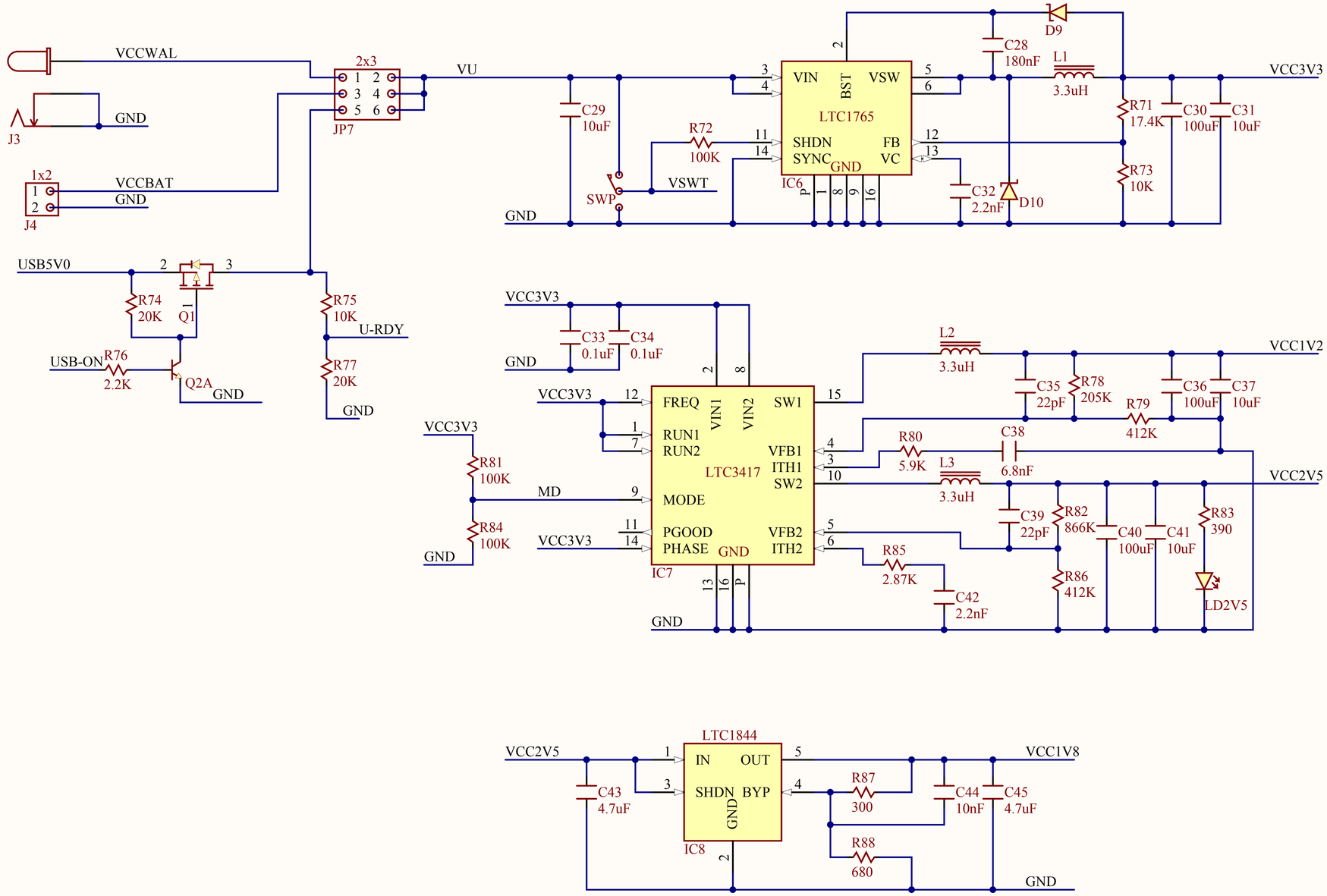




Title
Nexys II

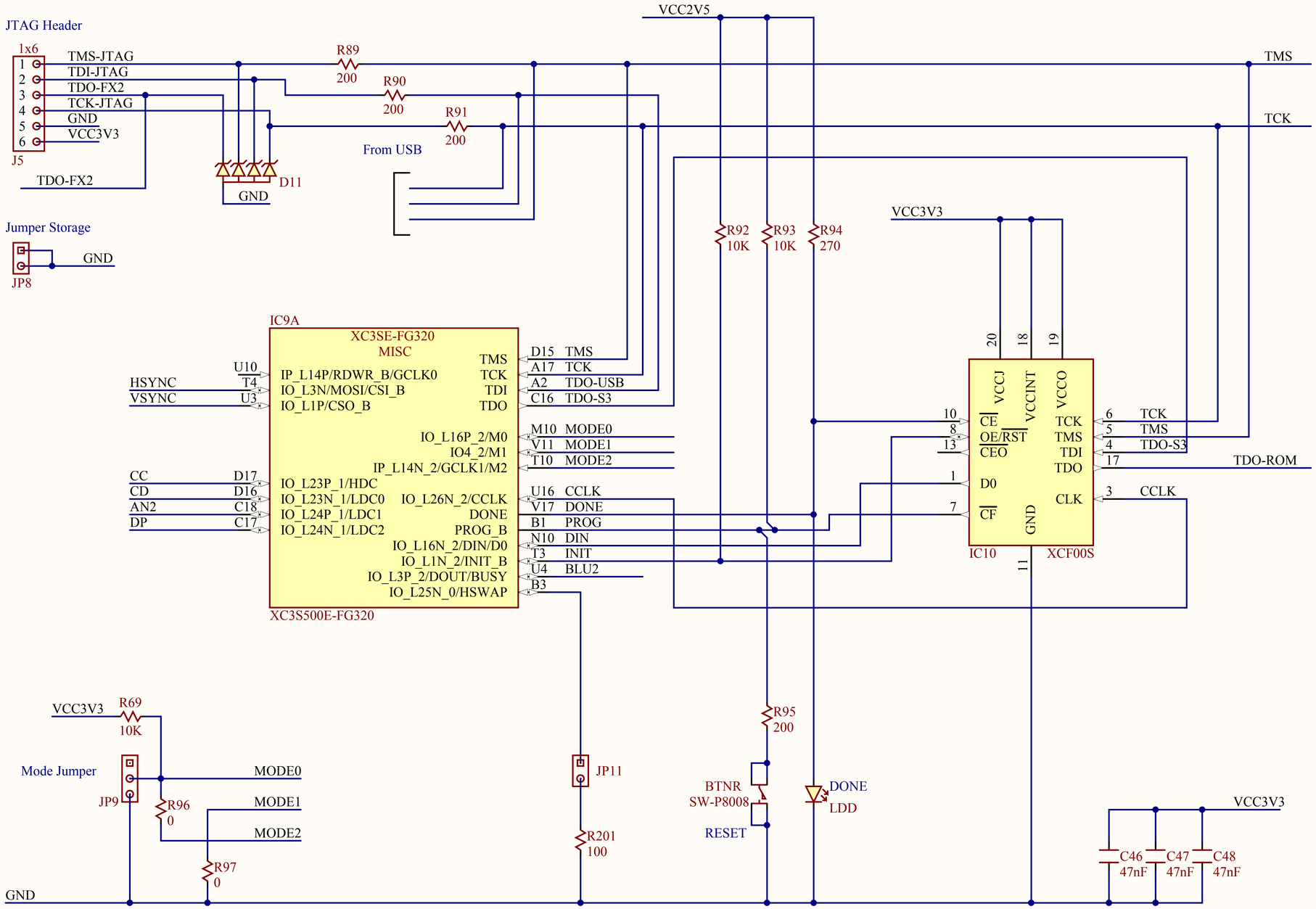
Rev
C.0

Circuit	USB Controller
Doc#	500-134
Engineer	NEA
Author	GMA
Date	7/19/2007
Sheet#	02 out of 11



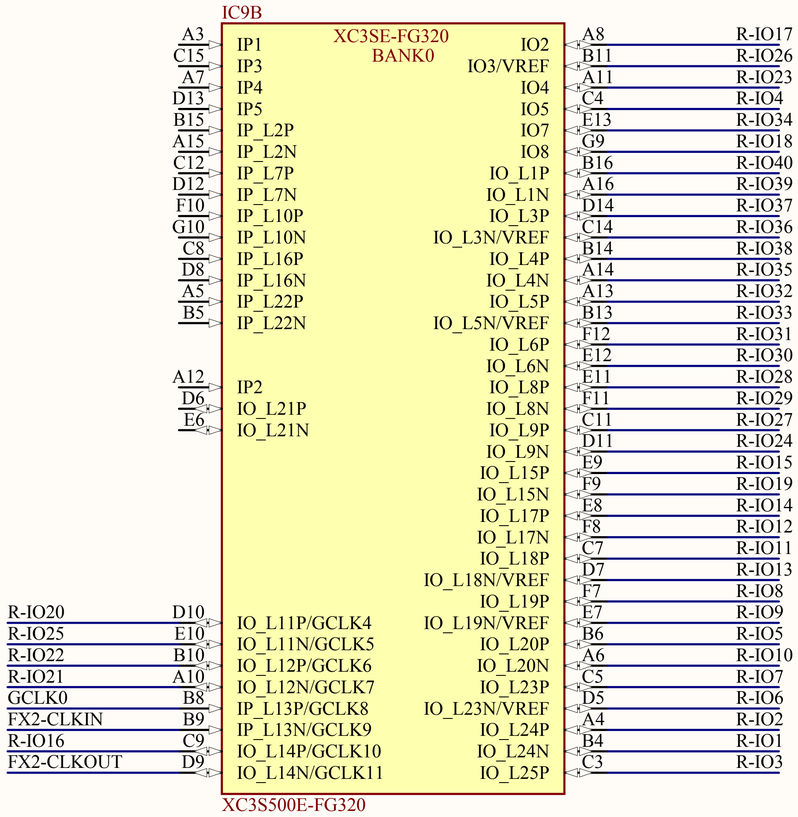
Title	Nexys II
Rev	C.0
Copyright	2007
Circuit	Power and Regulation
Doc#	500-134
Engineer	NEA
Author	GMA
Date	7/19/2007
Sheet#	03 out of 11

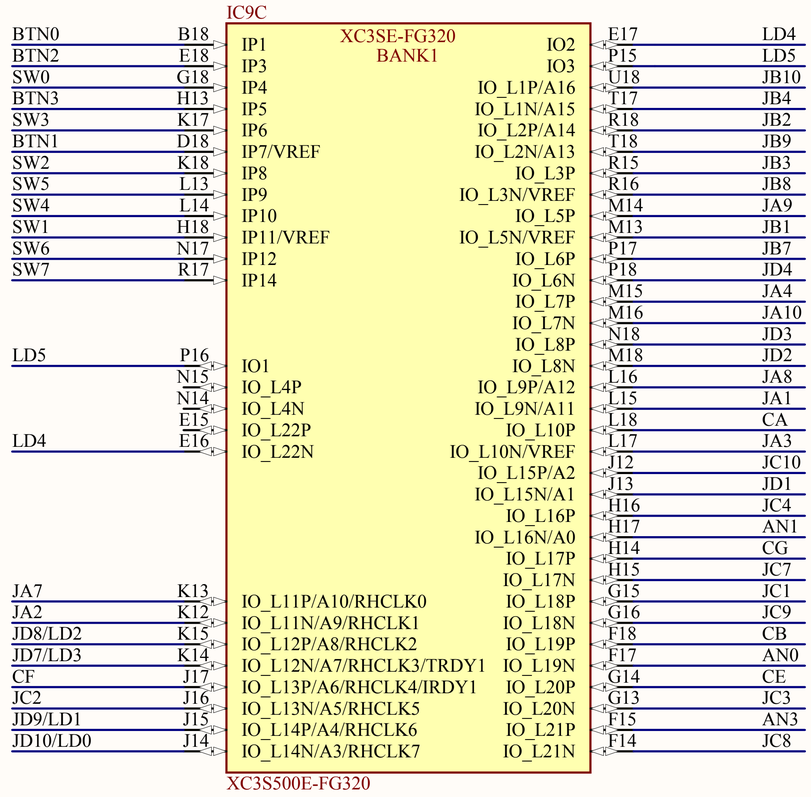
DIGILENT
www.digilentinc.com

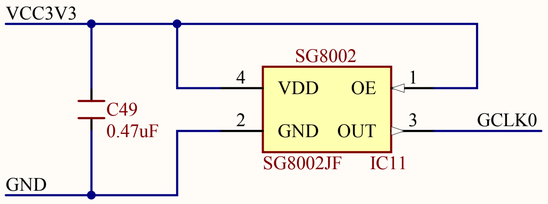


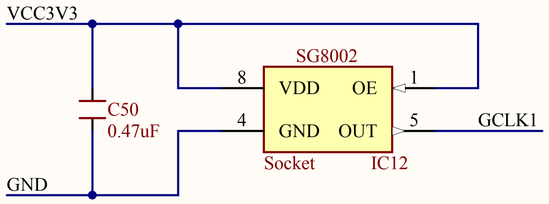
Title	Nexys II
Rev	C.0
	Copyright2007
Circuit	FPGA Programing
Doc#	500-134
Engineer	NEA
Author	GMA
Date	7/19/2007
Sheet#	04 out of 11

DIGILENT
www.digilentinc.com









Title
Nexys II

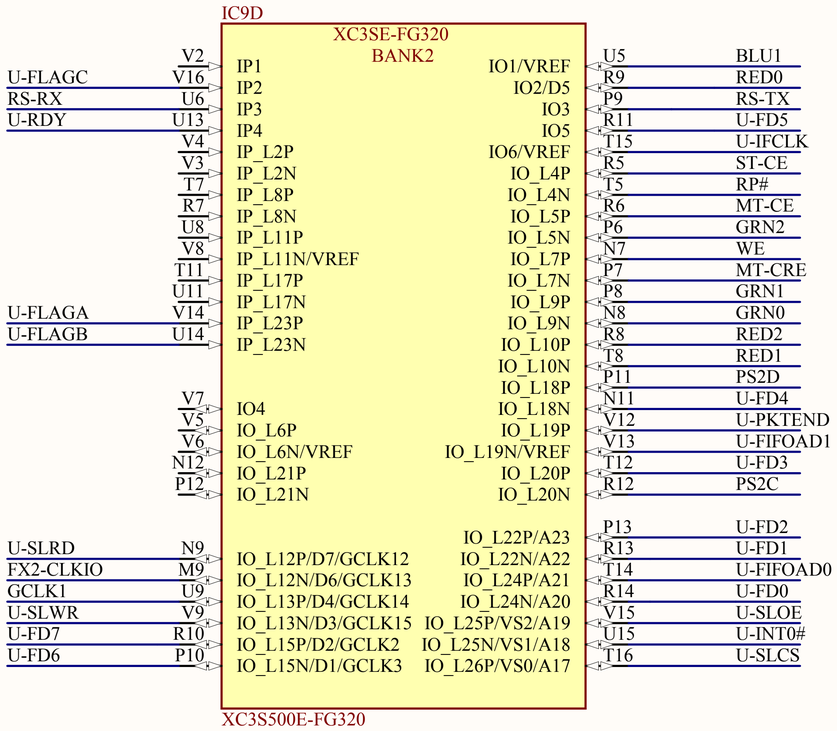
Rev
C.0

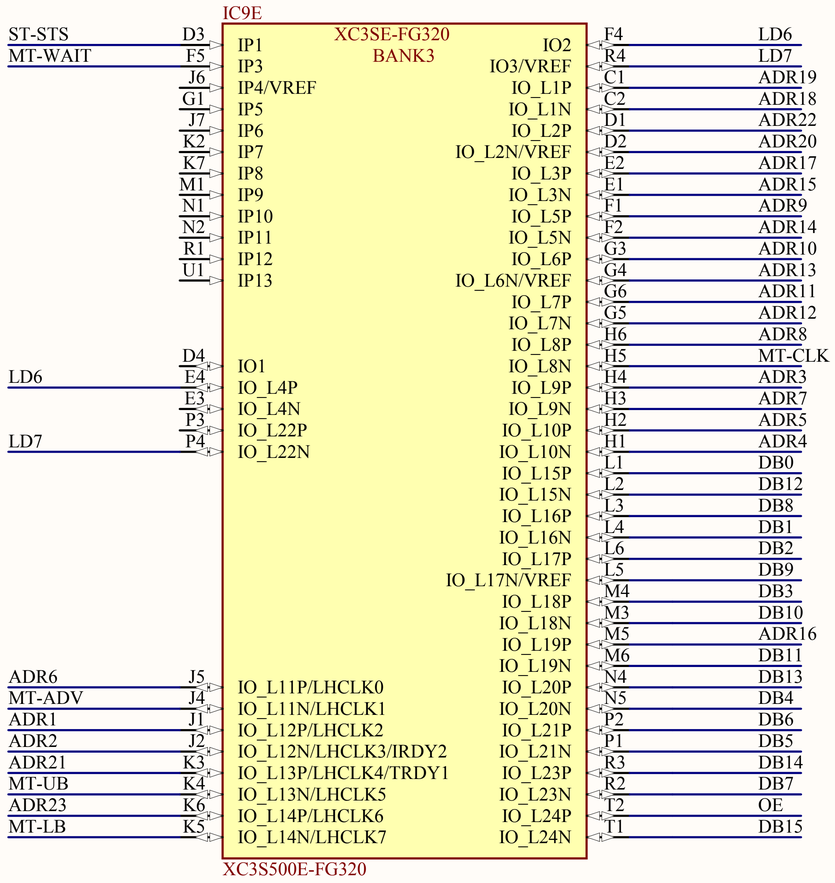
Circuit
Banks 0, 1 and Clocks

Doc# 500-134

Engineer NEA
Author GMA
Date 7/19/2007
Sheet# 05 out of 11

DIGILENT
www.digilentinc.com





Title
Nexys II

Rev
C.0

Circuit
Banks 2, 3

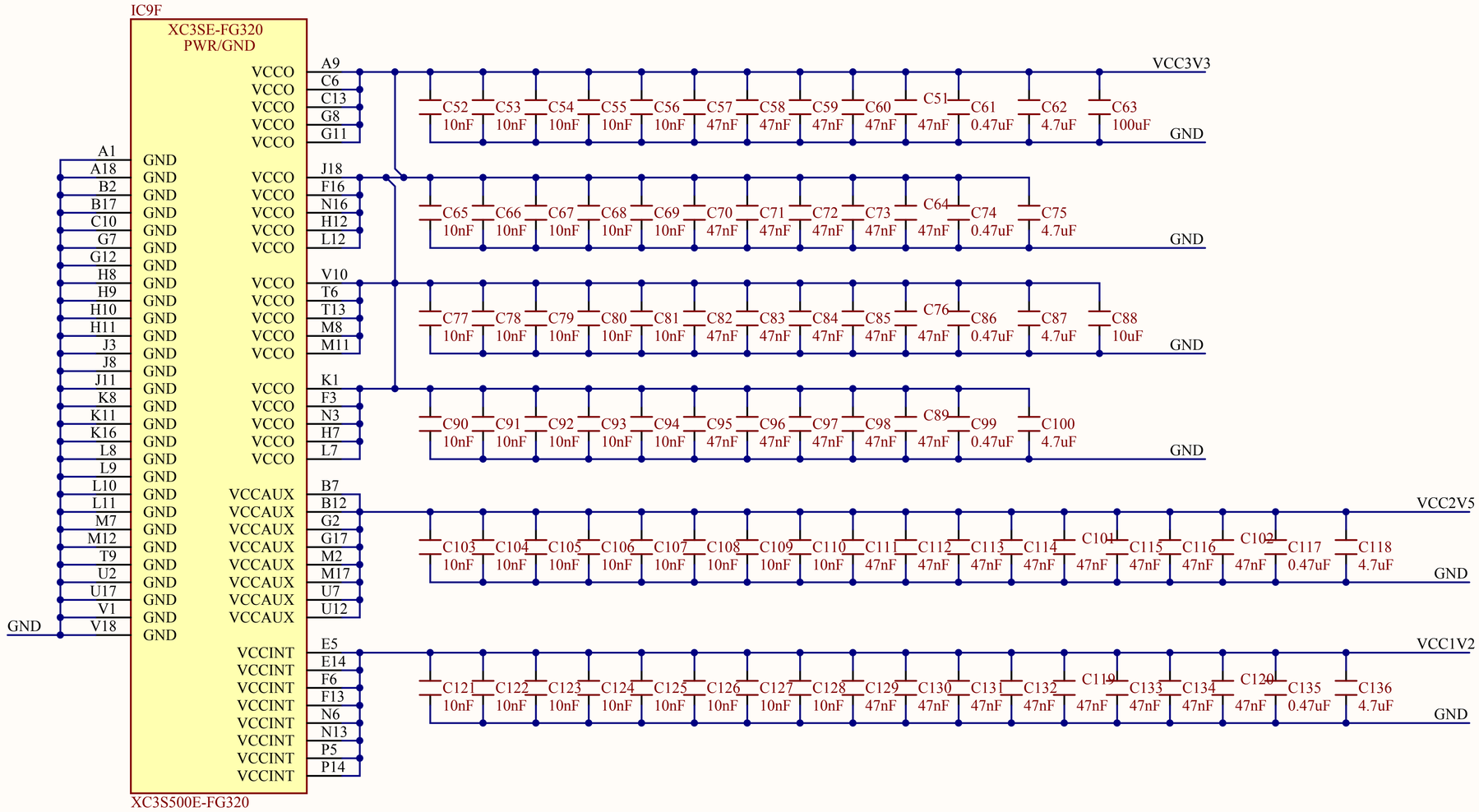
Doc# 500-134

Engineer NEA

Author GMA

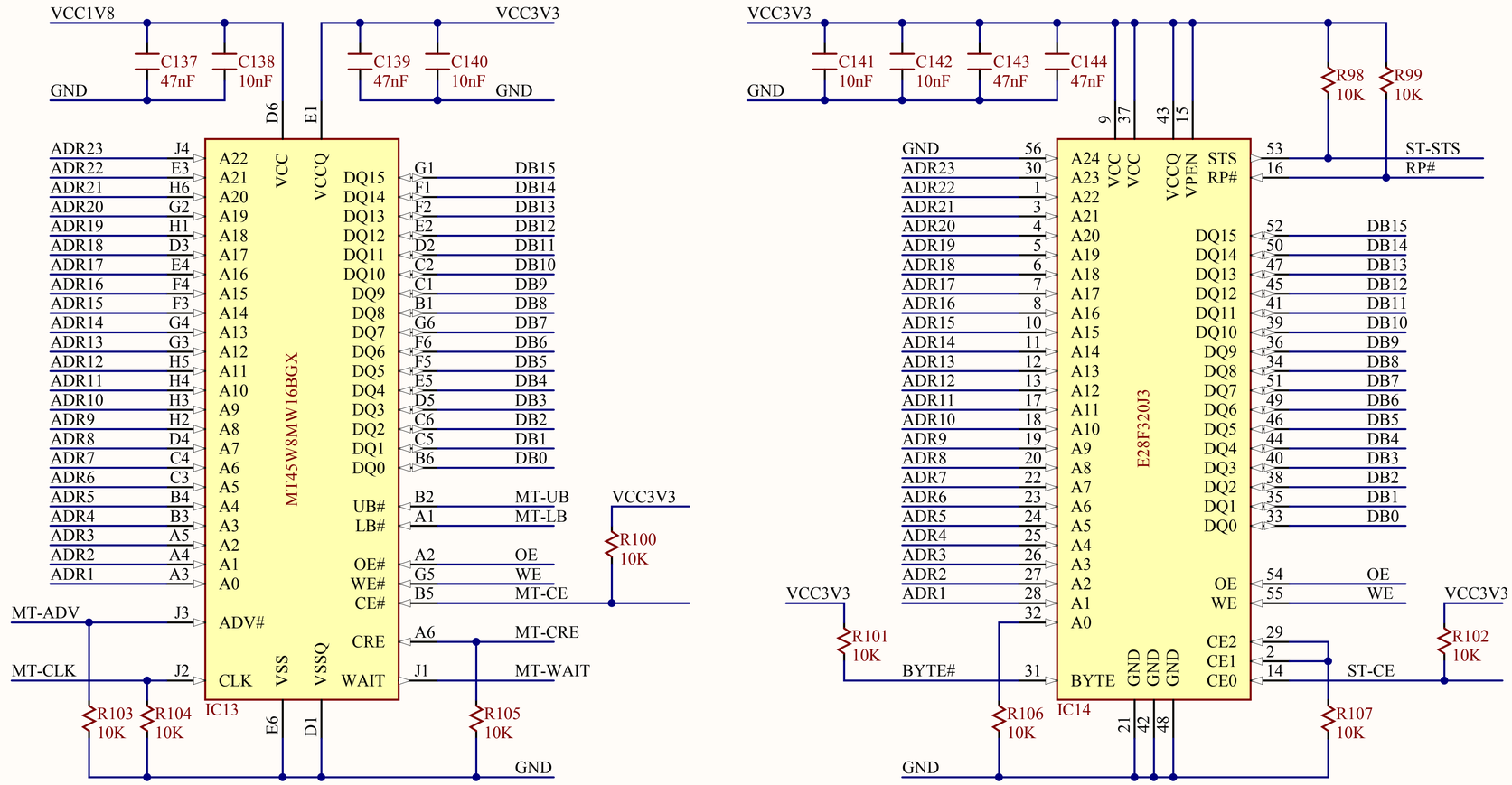
Date 7/19/2007

Sheet# 06 out of 11



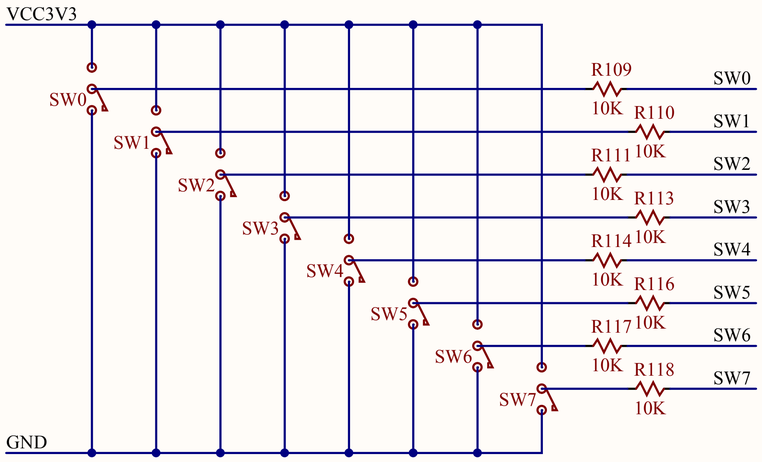
Title	Nexys II
Rev	C.0
Copyright	2007
Circuit	FPGA Power
Doc#	500-134
Engineer	NEA
Author	GMA
Date	7/19/2007
Sheet#	07 out of 11

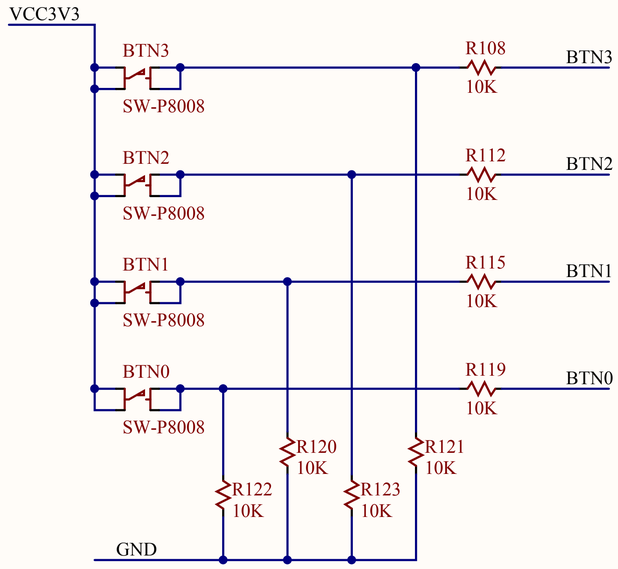
DIGILENT
www.digilentinc.com

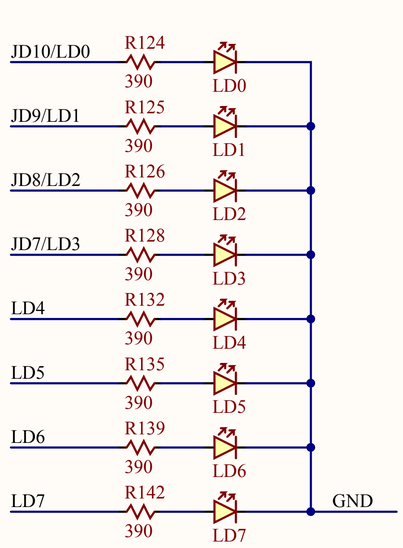


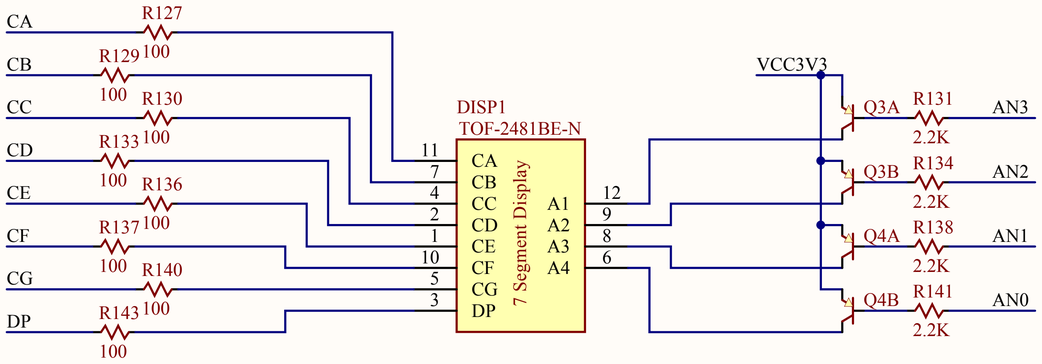
Title	Nexys II
Rev	C.0
Copyright	2007
Circuit	Memory
Doc#	500-134
Engineer	NEA
Author	GMA
Date	7/19/2007
Sheet#	08 out of 11

DIGILENT
www.digilentinc.com



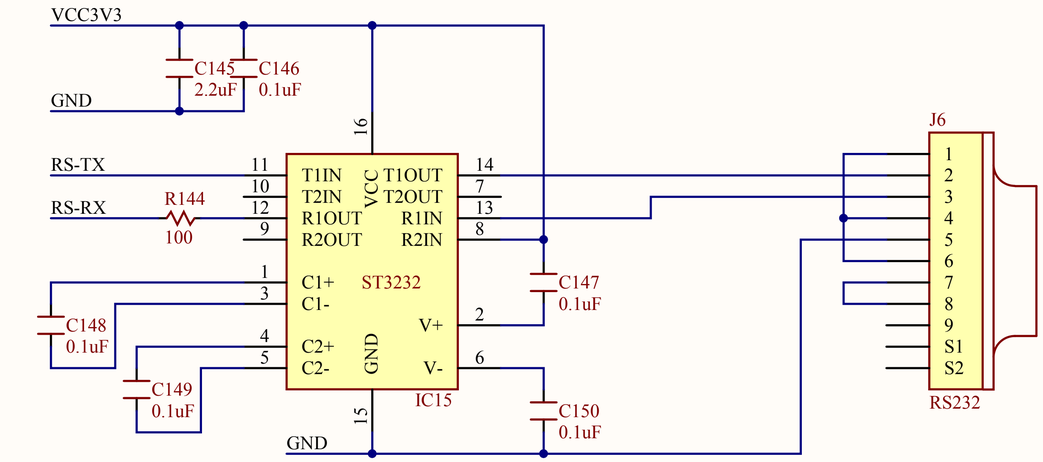


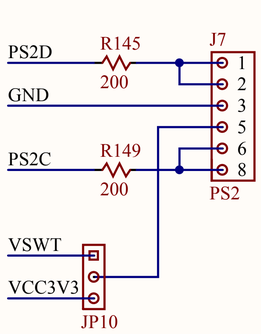


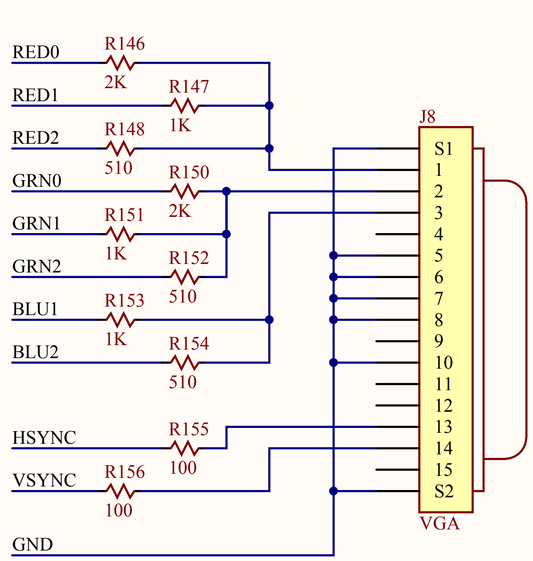


Title	Nexys II		Rev C.0
Circuit	IO and Display		Copyright2007
Doc#	500-134		
Engineer	NEA		
Author	GMA		
Date	7/19/2007		
Sheet#	09	out of 11	

DIGILENT
www.digilentinc.com







Title
Nexys II

Rev
C.0

Circuit
RS232, VGA, and PS/2

Doc# 500-134

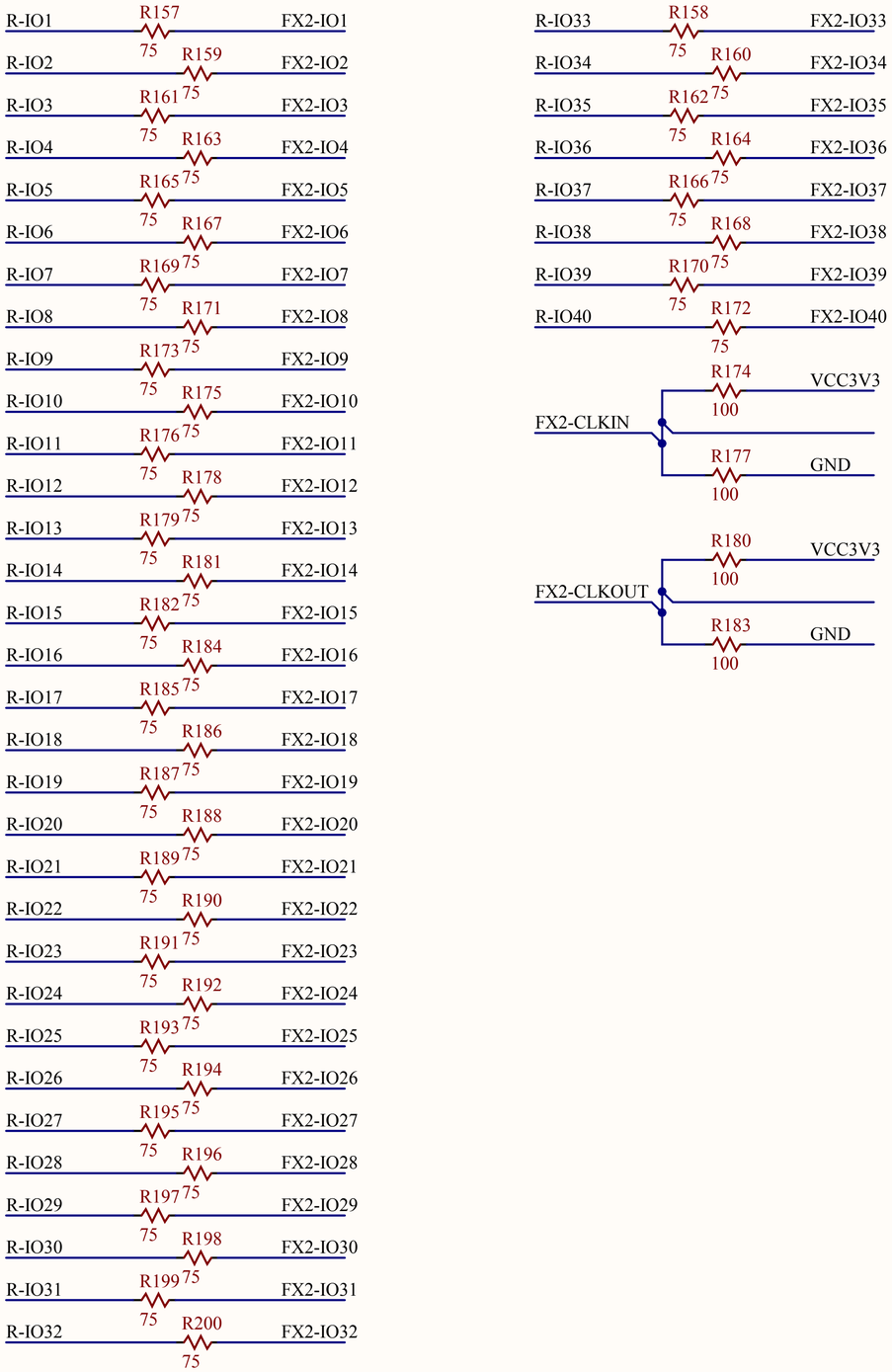
Engineer NEA

Author GMA

Date 7/19/2007

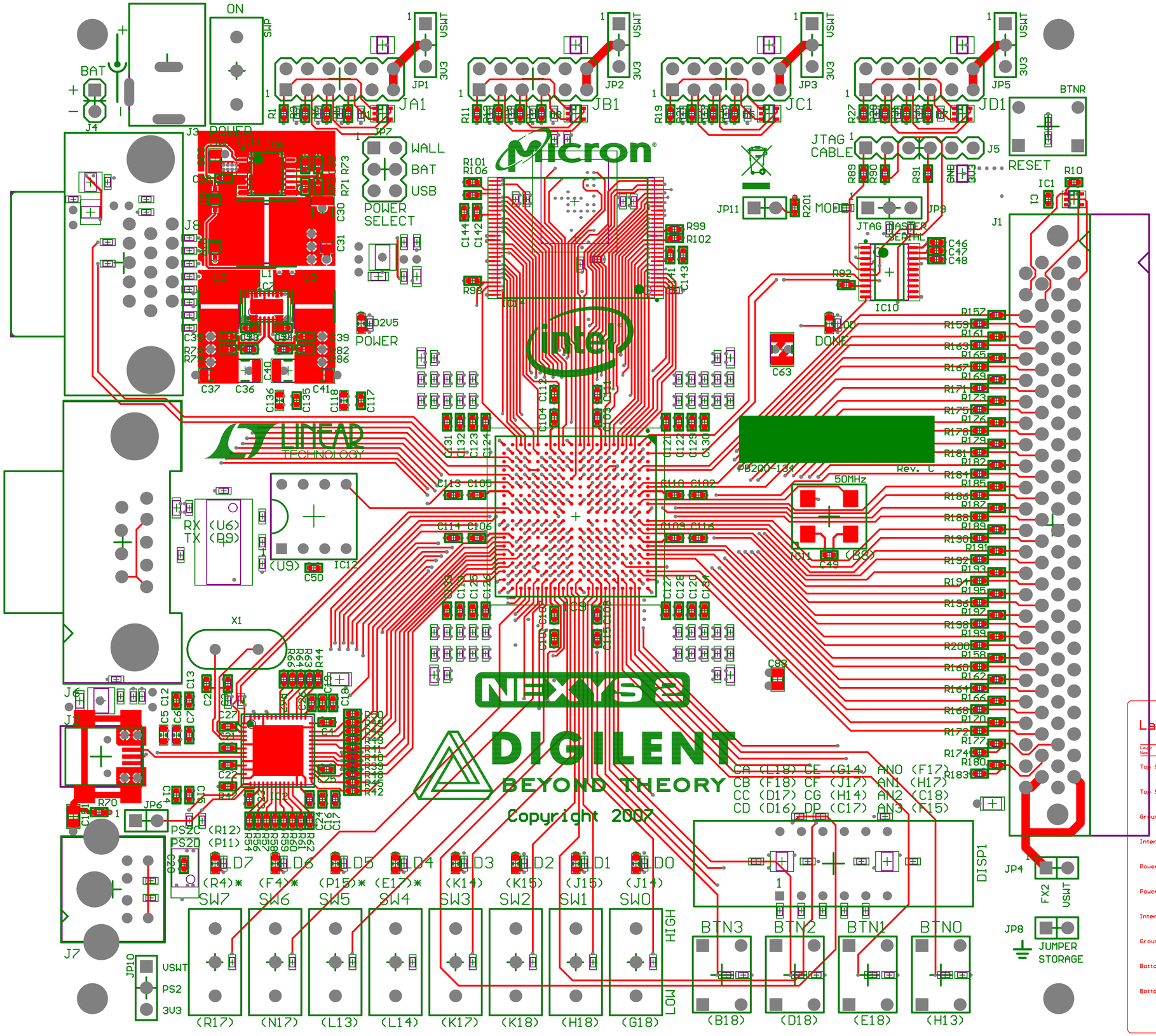
Sheet# 10 out of 11

DIGILENT
www.digilentinc.com



Title	Nexys II
Rev	C.0
Copyright	2007
Circuit	FX2 Series Resistors
Doc#	500-134
Engineer	NEA
Author	GMA
Date	7/19/2007
Sheet#	11 out of 11

DIGILENT
www.digilentinc.com



Layer Stack Up Detail for: PCB1.PcbDoc

Layer Name	Gerber Document	Copper Thickness	Dielectric Height	Dielectric Material	Dielectric Constant	Dielectric Type
Top Solder Mask	(.GTS)		0.4mil	Solder Resist	3.50	
Top Signal 1	(.GTL)	1.4mil				
			7mil	FR-4	4.80	Core
Ground Plane 2	(.GP1)	1.4mil				
			7mil	FR-4	4.80	PrePreg
Internal Signal 3	(.G1)	1.4mil				
			7mil	FR-4	4.80	Core
Power/Signal 4	(.G2)	1.4mil				
			7mil	FR-4	4.80	PrePreg
Power Plane 5	(.GP2)	1.4mil				
			7mil	FR-4	4.80	Core
Internal Signal 6	(.G3)	1.4mil				
			7mil	FR-4	4.80	PrePreg
Ground Plane 7	(.GP3)	1.4mil				
			7mil	FR-4	4.80	Core
Bottom Signal 8	(.GBL)	1.4mil				
Bottom Solder Mask	(.GBS)		0.4mil	Solder Resist	3.50	