ETHERNET

RESET

SW01

H01

POWER_ON
3.3V
2.5V
1.8V

DC_5V_MAX-9

J02   J01

JP02|DS04
JP03|DS06
JP05|DS08

JP01|DS05
JP04|DS07
JP06|DS09

C03

PORT1   PORT2   GND

J04 USB DS01
RP01   DS02
          DS03

J03

C01

SPEED

AN1
ACTIVITY
ANEN
LINK
AN0

U02

R04

U03

R03

H02

C04 C02

C05

R01
R02

U04

U01

Y01

C07 C06

RP02   RP03

RP04 RP05

J05

C08 R05

C09

GND

TXCLK|TXD3
GND|TXD2
GND|V3.3
TXEN|TXD1
PAR|TXD0

J06

ETH_PORT1

ETH_PORT2

J07

C10

JP09   CS
JP07   MISO
JP08   MOSI
JP10   CLK
TP02
TP01
JP11   SWAP
JP12   CPHA
JP13   CPOL

C12

8.192MHZ

C18

TE1_INT

IN   EXT

DS14
DS15

X_INT

JP14   BOOT

GND

J08

RXD0|RXD3
RXD1|RXCLK
RXD2|RXDV
RX3|RXER
PAR|RXCLK

MAXIM

DS33X42DK01A0

C14 C13 C15

U05

C17

C11

RP06

U06

C23

DATA[7:0]

PARA SPI

GND

C19 C16

C20

C22

C21

U07

A1

T1

CSX3
CSX2
WR
RD

JP15

C24

100MHZ

C26

J09

U09

PIN

U08

C27 C28 C29

TSYNC1 NC

J10

TSYNC[1:4]

RP09 RP07

RP08

J09

ADDRESS[15:0]

U11

PIN

GND

C30
C31

P1
JP16
P2
JP17

RP12

RP14

U10

A1

T1

RP10

P3
JP18
P4
JP19

RP11

TSER
RSER
TCHCK
RCHCK
RSYNC

RP13

U12

A1

DS19

BANDWITH
AVAILABLE

C32
C33

TSER
RSER
TCHCK
RCHCK
RSYNC

GND

TCLK
REFCLK

JP20

J12

JTAG

T1_E1_WAN   GND

T01

J11
1 2

GFP/HDLC
2/4 LINE GFP VCG
T1/E1
FLOW CONTROL
PRIORITY SCHEDULE
VLAN/DSCP PRTY
FILTER BROADCAST
RESERVED

CONFIGURATION

DS16

BAD
FRAME

DS17
DS18

TX100
FRAMES

RX100
FRAMES

PORT1   PORT2   PORT3   PORT4

BDM

J13

DS10
STAT
RLOS

DS11
STAT
RLOS

DS12
STAT
RLOS

DS13

JP21

INSTALL JP21 TO DISABLE
OPTIONS SET BY J11

H03

DS20   DS21   DS22   DS23

Questions? Contact
Steve.Scully@maxim-ic.com
972.371.4544

FOR QUOTE ONLY(expect minor changes to silkscreen)

sdr_m_t.art (Board layer 2) Scale=0.68 Thu Jul 09 15:02:48 2009

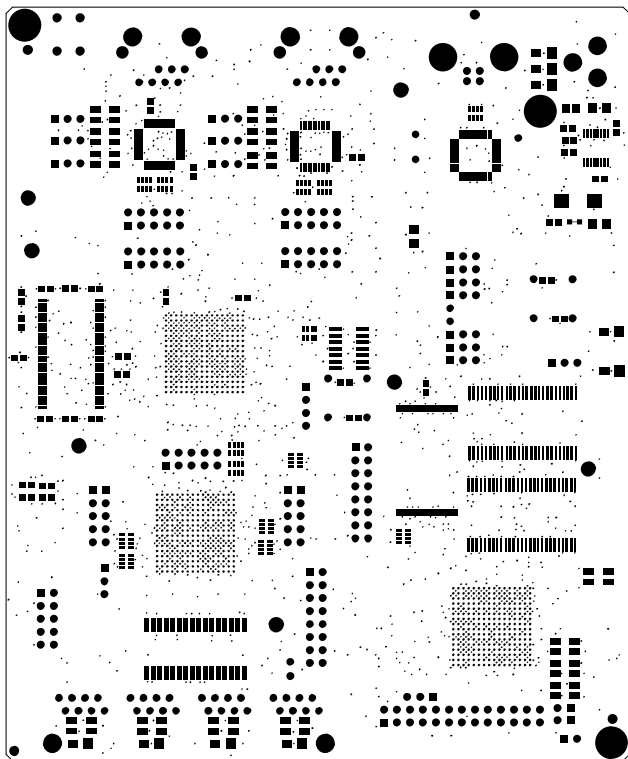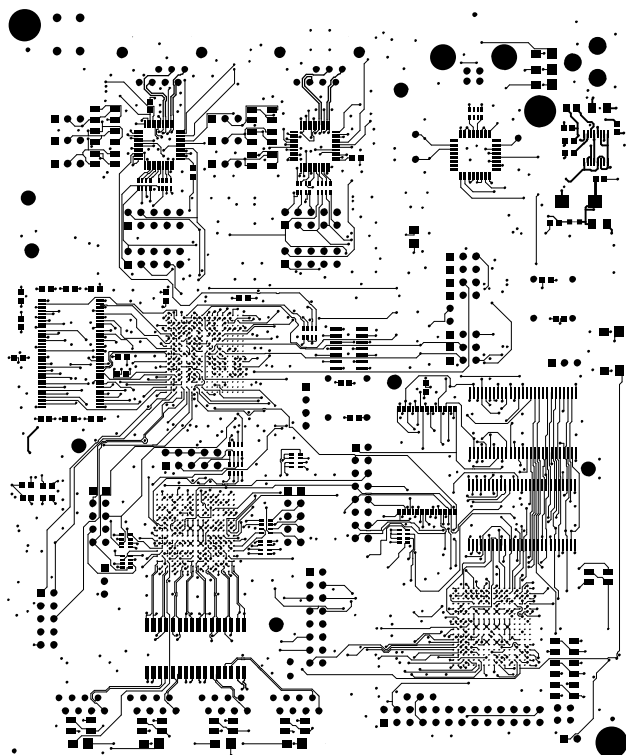Questions? Contact
Steve.Scully@maxim-ic.com
972.371.4544

FOR QUOTE ONLY(expect minor changes to silkscreen)

ETCH TOP

Questions? Contact
Steve.Scully@maxim-ic.com
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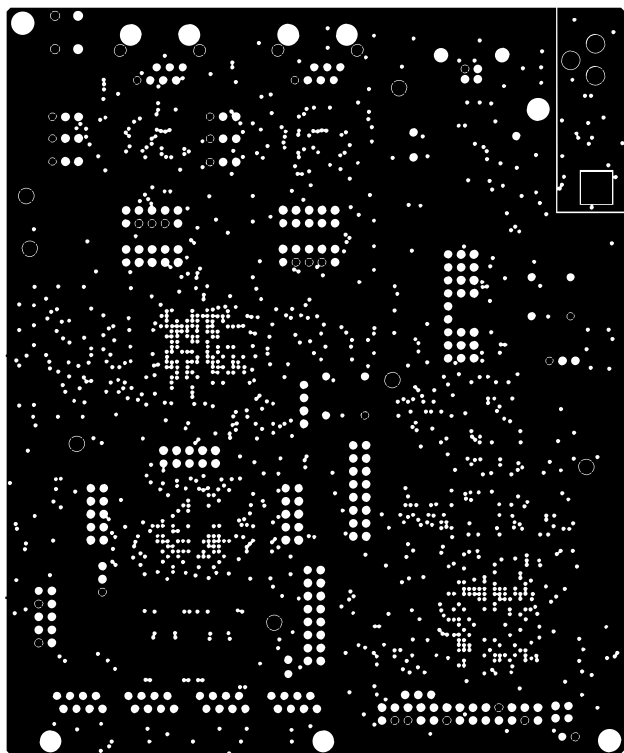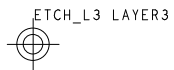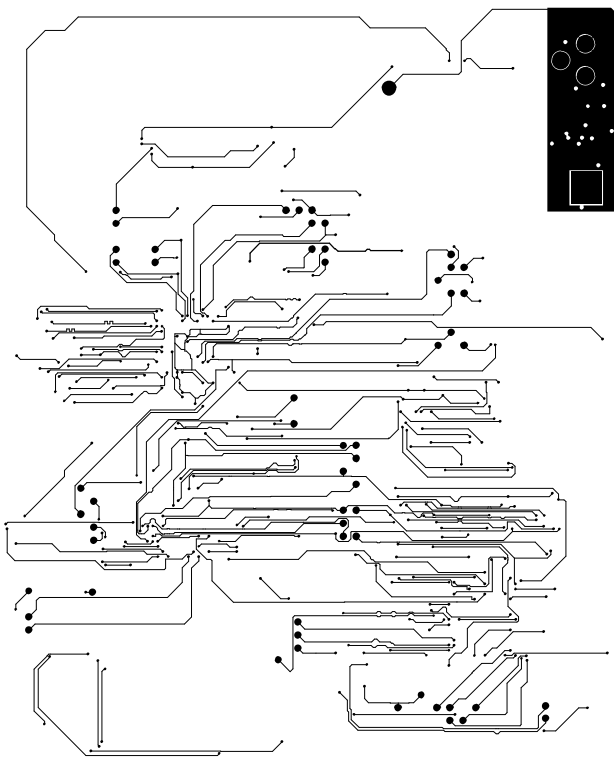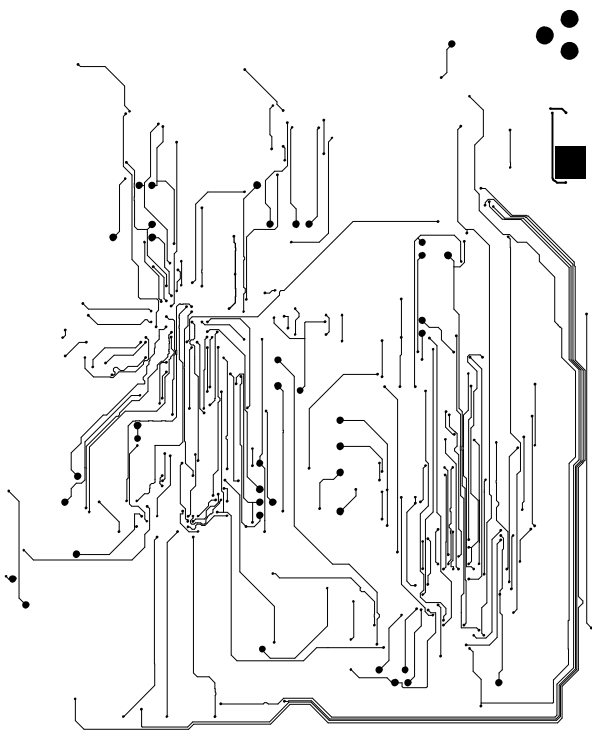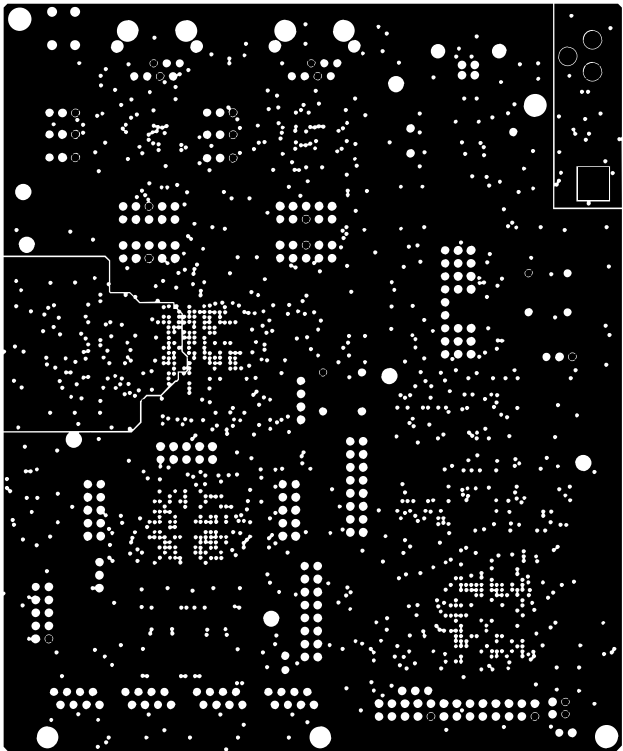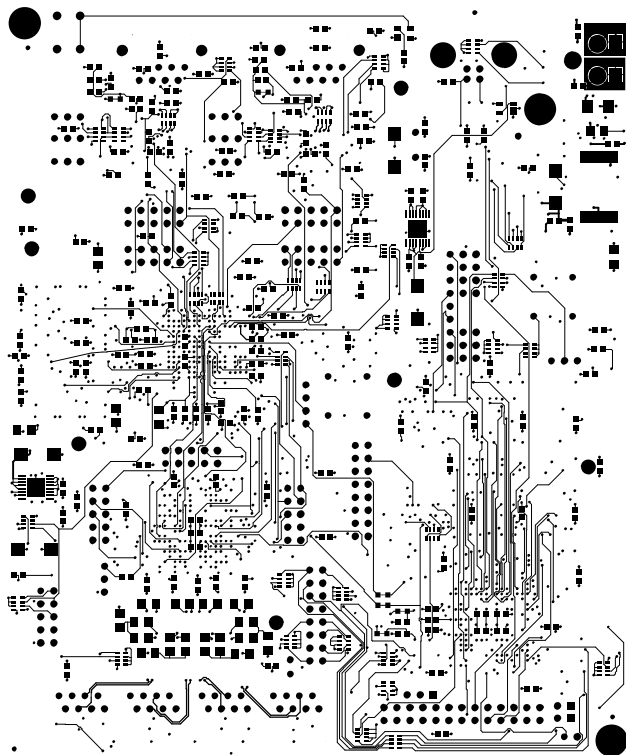FOR QUOTE ONLY(expect minor changes to silkscreen)

L2_GND.art (Board layer 4) Scale=0.68 Thu Jul 09 15:02:49 2009

L2_GND PLANE LAYER 2

Questions? Contact
Steve.Scully@maxim-ic.com
972.371.4544

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L3.art (Board layer 5) Scale=0.68 Thu Jul 09 15:02:49 2009

ETCH_L3 LAYER3

Questions? Contact
Steve.Scully@maxim-ic.com
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L4.art (Board layer 6) Scale=0.68 Thu Jul 09 15:02:49 2009

ETCH_L4 LAYER 4 Questions? Contact
Steve.Scully@maxim-ic.com
972.371.4544

FOR QUOTE ONLY(expect minor changes to silkscreen)

L5_V3V.art (Board layer 7) Scale=0.68 Thu Jul 09 15:02:49 2009
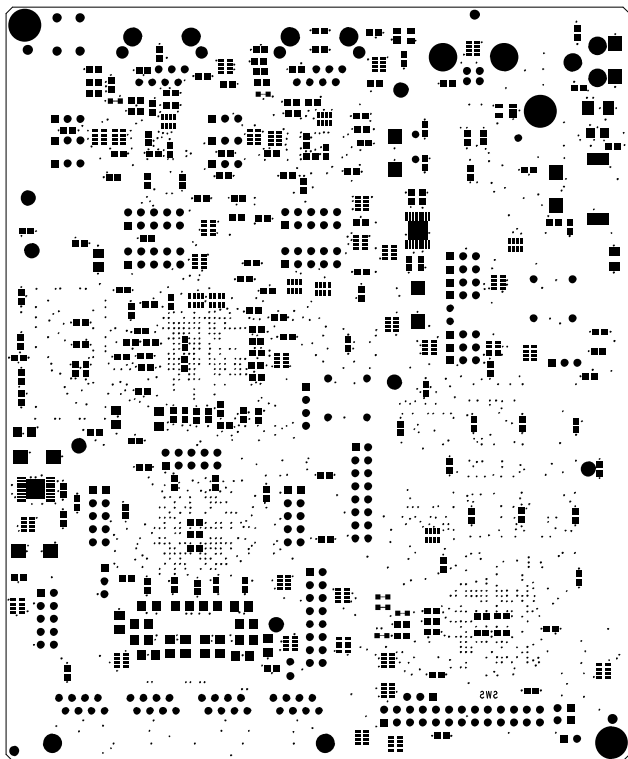
L5_V3V POWER PLANE

FOR QUOTE ONLY(expect minor changes to silkscreen)

BOTTOM_ETCH

Questions? Contact
Steve.Scully@maxim-ic.com
972.371.4544

FOR QUOTE ONLY(expect minor changes to silkscreen)

SW5

Questions? Contact
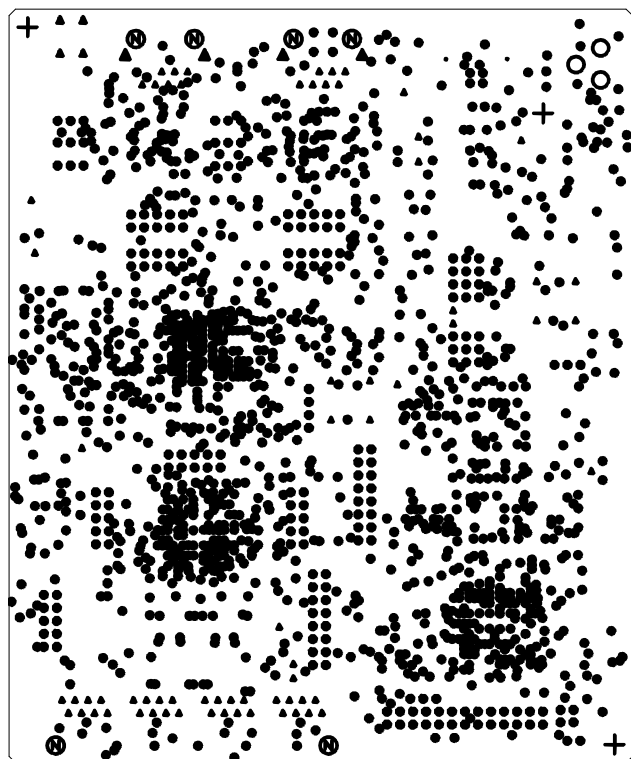Steve.Scully@maxim-ic.com
972.371.4544

FOR QUOTE ONLY(expect minor changes to silkscreen)

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FIGURE	SIZE	TOLERANCE	PLATED	QTY
	DRILL CHART: TOP to BOTTOM			
	ALL UNITS ARE IN MILS			
•	10.0	+0.0/-10.0	PLATED	1446
▲	36.0	+3.0/-3.0	PLATED	61
•	41.0	+3.0/-3.0	PLATED	4
•	41.0	+3.0/-3.0	PLATED	163
•	42.0	+3.0/-3.0	PLATED	33
▲	48.0	+3.0/-3.0	PLATED	4
▲	50.0	+3.0/-3.0	PLATED	7
▲	71.0	+3.0/-3.0	PLATED	4
·	105.0	+3.0/-3.0	PLATED	2
O	120.0	+3.0/-3.0	PLATED	3
+	120.0	+3.0/-3.0	PLATED	3
Ⓝ	130.0	+3.0/-3.0	NON-PLATED	6

Questions? Contact
Steve.Scully@maxim-ic.com
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FOR QUOTE ONLY(expect minor changes to silkscreen)

dimension.art (Board layer 12) Scale=0.68 Thu Jul 09 15:02:50 2009

5.80

4.80

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FOR QUOTE ONLY(expect minor changes to silkscreen)