J1

GIO1 RxD TxD GIO2
GIO3 DCD# CTS# GIO4
GIO5 RTS# DTR# GIO6
GIO7 DSR# GND
GND GND
VCC VCC
VCC VCC
VCC VCC
RESET RI# GIO8
GIO9
SMEMW# GND
SMEMR# A0
IOW# A1
IOR# A2
REFSH# A3
SYSCLK A4
ALE A5
OSC A6
IORDY A7
AEN A8
BHE# A9
MEMR#
MEMW# A10
MCS16# A11
IOCS16# A12
IRQ15 A13
IRQ11 A14
IRQ10 A15
IRQ5 A16
IRQ4 A17
IRQ3 A18
IRQ9 A19
D8 D0
D9 D1
D10 D2
D11 D3
D12 D4
D13 D5
D14 D6
D15 D7
GND GND
CON40x2

79 80
77 78
75 76
73 74
71 72
69 70
67 68
65 66
63 64
61 62
59 60
57 58
55 56
53 54
51 52
49 50
47 48
45 46
43 44
41 42
39 40
37 38
35 36
33 34
31 32
29 30
27 28
25 26
23 24
21 22
19 20
17 18
15 16
13 14
11 12
9 10
7 8
5 6
3 4
1 2

M1
1
CON1
M2
1
CON1
M3
1
CON1
M4
1
CON1
GND

U15 74HC138
A7 A Y0
A8 B Y1
A9 C Y2
Y3
Y4
E1 Y5
E2 Y6
VCC E3 Y7
3F8
1111111XXX
IRQ4
IO3F8#
COM1CS#

U14 74HC138
A4 A Y0
A5 B Y1
A6 C Y2
Y3
Y4
AEN E1 Y5
E2 Y6
A3 E3 Y7

U1 ST16C550
NC D4 D3 D2 D1 D0 VCC CD# DSR# CTS# NC
NC
D5 D5 RESET RESET
D6 D6 OP1
D7 D7 DTR DTR#
RCLK RCLK RST RTS#
NC OP2 OUT2#
RxD RxD INT
TxD TxD RXRDY
VCC CS0 A0 A0
CS1 A1 A1
COM1CS# CS2 A2 A2
RCLK BAUDOUT NC
NC X1 X2 IOW IOW GND IOR IOR NC DDIS TXRDY AS

X1 X2 IOW# GND GND NC GND
R3 33
IOR#

VCC
X2
VCC OUT X1
NC GND
1.8432M
GND

C5
20pf X1
C6 1.8432M R1
20pf 1M X2
GND X1 X2

RxD
TxD
C1 C2
47pf 47pf
GND

VCC
R2 4.7k
U5 74LVC1G125
OE VCC VCC
A
GND GND Y IRQ4

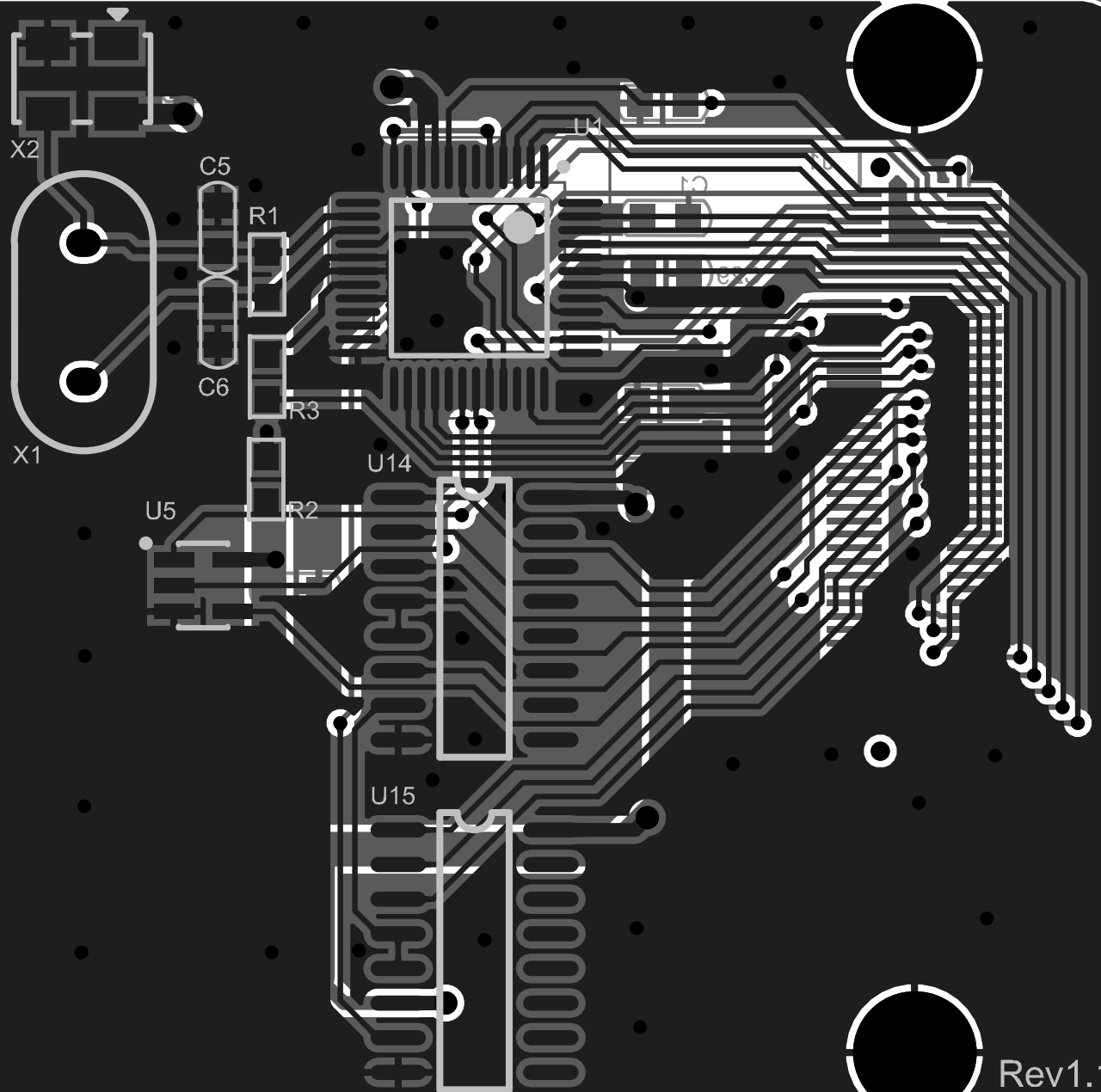VCC
C24 C25 C26 C27 C28 C29
10uf 10uf 0.1uf 0.1uf 0.1uf 0.1uf
GND

UART WITH 16-BYTE FIFO's

- 3F8H (COM1)
- IRQ4

OUTPUT(TTL):
RxD -- GIO1
TxD -- GIO2
DCD# -- GIO3
 CTS# -- GIO4
 RTS# -- GIO5
DTR# -- GIO6
DSR# -- GIO7
RI# -- GIO8

X2

X1

C5

C6

R1

R3

R2

U5

U14

U15

Serial Adapter

Rev1.1

Comment	Description	Designator	Footprint	LibRef	Quantity
47pf		C1, C2	C0603	0CAP	2
20pf		C5, C6	C0603	0CAP	2
10uf		C24, C25	C0603	0CAP	2
0.1uf		C26, C27, C28, C29	C0603	0CAP	4
CON40x2		J1	BTB0.5-80P	CON40x2	1
CON1		M1, M2, M3, M4	M2.5	CON1	4
1M		R1	R0603	0RES	1
4.7k		R2	R0603	0RES	1
33		R3	R0603	0RES	1
ST16C550		U1	LQFP48	ST16C550	1
74LVC1G125		U5	SOT23-5	74LVC1G125	1
74HC138		U14, U15	SO-16	74LS138	2
1.8432M		X1	XTAL	CRYSTAL	1
1.8432M		X2	CRY-5032	CRYSTAL-4P	1