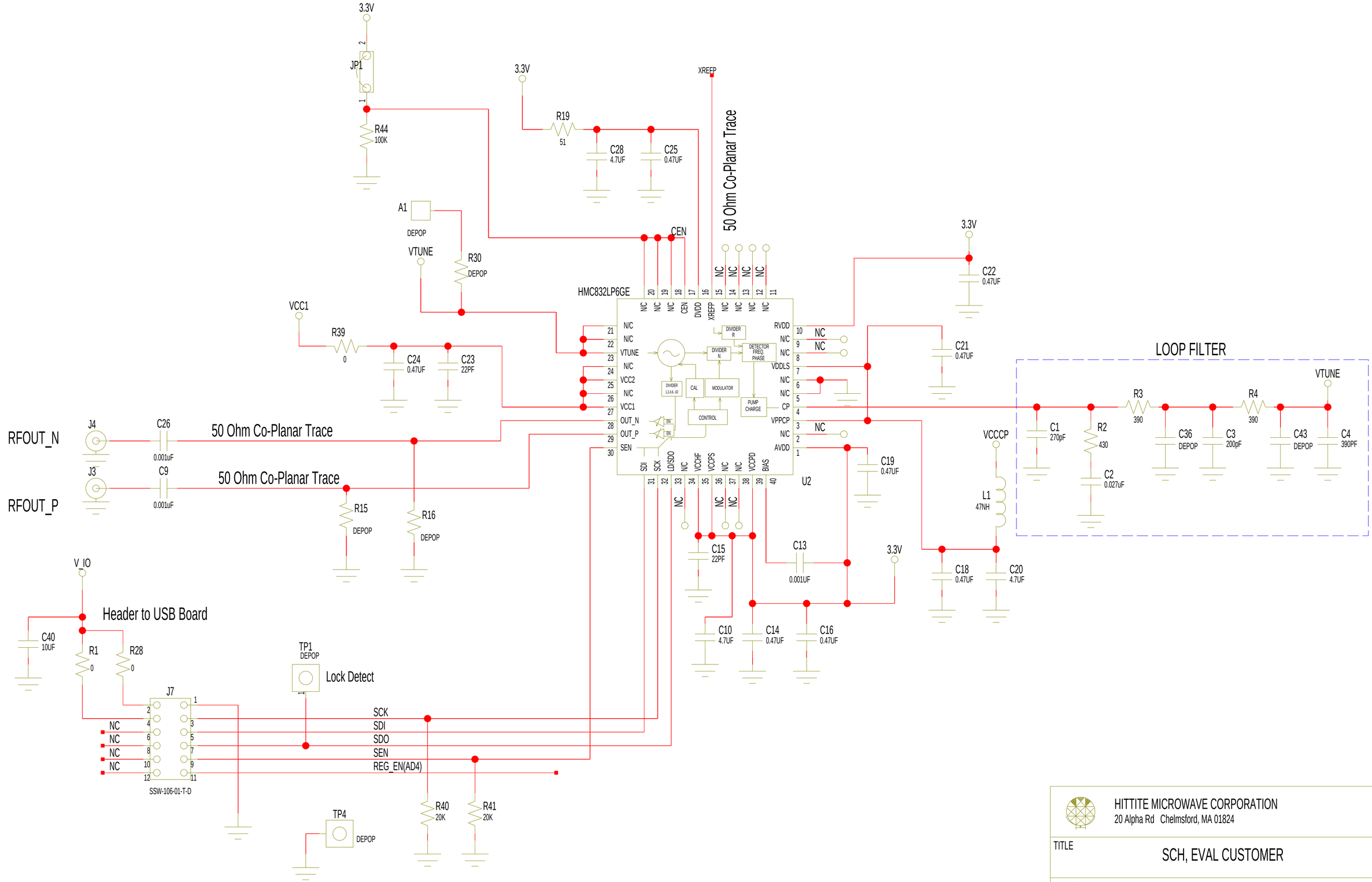
REVISIONS					
REV	ECN#	ZONE	DESCRIPTION	NAME	DATE
B	CP120985	-----	CHANGE AS PER CP120985	D. ACEVAL	07/10/2012
C	CP121326	-----	CHANGE AS PER CP121326	D. ACEVAL	10/12/2012



HITTITE MICROWAVE CORPORATION
20 Alpha Rd Chelmsford, MA 01824

TITLE: SCH, EVAL CUSTOMER

PROJECT

DRAWING #: 130-00451-00

SHEET 1 OF 2

DRAWN BY: D.YOUNG DATE: 11/18/10

CODE ID NO.: 1CN88 SIZE: C REV: C

12-10-2012_14:08

DIVIDER CONTROL

	D1	D0
POWER DOWN	0	0
DIVIDE BY 1	0	1
DIVIDE BY 5	1	0
DIVIDE BY 10	1	1

TPLL/TCXO
TPLL
50 Ohm Co-Planar Trace
VCXO
R43 0
R38 10
C37 0.1UF
C38 0.001UF
C34 4.7UF
C29 0.47UF
Y1
VDD VCRTL EN OUT NC GND
NC
50.000MHz
R20 DEPOP
C35 0.1UF
R42 0
R32 0
R18 100
C27 0.1UF
XREFP
50 Ohm Co-Planar Trace
R37 DEPOP
R21 0
C31 0.033UF
R35 4.7K
C33 2.2UF
R22 DEPOP
C32 DEPOP
REF IN
J5
R36 DEPOP
C44 0.1UF
R17 51
C45 0.1uF
50 Ohm Trace
TP5
U3
VCC GND REFIN CP LKDOP LKD 1/N VCOIN D0 D1 PFD/CP
HMC1031MS8E
R31 1.1K
LOCK DETECT
D1 GREEN LED
SW1
TDA02H0SB1
TPLL/TCXO
R33 100K
R26 100K
C30 0.1uF
R34 36
R23 0
R25 150
R24 150
R47 220K
C51 0.047uF
U4
HV1 RD1 RD2 HV2 VDD GND EN REF BAND GAP VR1 VR2 VR3 VR4 HV3 RD3 RD4 HV4
HMC860LP3E
NC
V_IO
R48 0.2
C47 10uF
C48 0.1uF
R46 4.7K
C54 DEPOP
C53 0.47uF
C49 0.01uF
C52 0.01uF
C50 0.01uF
C55 0.01uF
3.3V
R45 3.3K
C42 4.7uF
R7 0.1
JP2
R29 DEPOP
C39 0.047uF
C41 0.047uF
R5 DEPOP
R27 DEPOP
R6 DEPOP
U1
HV1 RD1 RD2 HV2 VDD GND EN REF BAND GAP VR1 VR2 VR3 VR4 HV3 RD3 RD4 PTATB
HMC1060LP3E
TP2
+5.5V
C5 10UF
C6 0.1UF
C8 0.47uF
TP3
GND
REG_EN(AD4)
R49 4.7K
AD4
C56 DEPOP
R11 DEPOP
R12 DEPOP
C11 0.047uF
R13 66.5K
C12 0.047uF
R14 DEPOP
VCCCP
R8 0.1
JP3
C7 4.7uF
TPLL/TCXO
R9 0.1
JP4
C46 4.7uF
VCC1
R10 0.1
JP5
C17 4.7uF
R50 4.7K

A RECOMMENDED DESIGN PRACTICE IS TO CONNECT
THE REGULATOR ENABLE PIN # 3 THROUGH A 4.7 KOHM RES.
TO THE SYSYTEM MICROCONTROLLER/FPGA FOR POWER
MANAGEMENT CONTROL.
SMALL SERIES RESISTORS ARE REQUIRED IN REGULATOR
OUTPUT PATHS AS SHOWN

HITTITE MICROWAVE CORPORATION
20 Alpha Rd Chelmsford, MA 01824

TITLE: SCH, EVAL CUSTOMER

PROJECT:
DRAWING #: 130-00451-00
SHEET 2 OF 2
CODE ID NO. 1CN88
SIZE C
REV C
DRAWN BY D. ACEVAL
DATE 11/18/10

12-10-2012_15:00