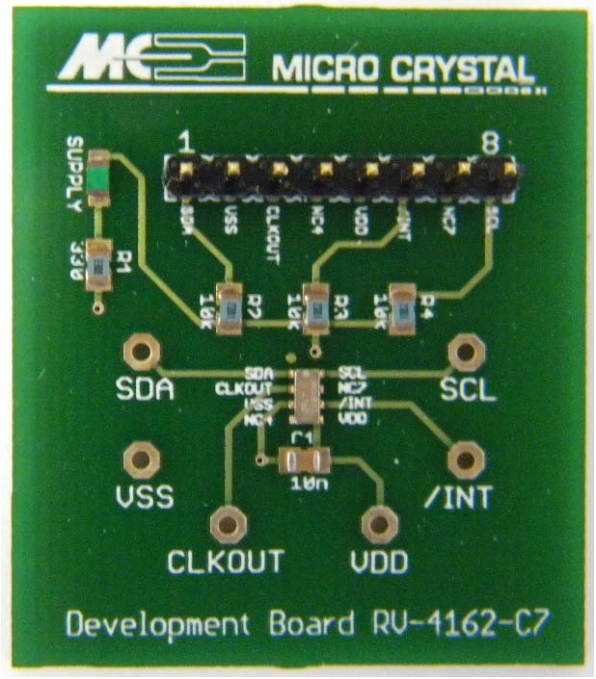
MICRO CRYSTAL SWITZERLAND

RV-4162-C7
Development Board

DEVELOPMENT BOARD



RV-4162-C7

Miniature Real Time Clock / Calendar Module

DATE:	February 2011	Revision No.: 1.0

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RV-4162-C7

The RV-4162-C7 is soldered onto the Development Board.
Every pin is either accessible at test pins 1 – 8 or at the test vias situated around the device.

The following passive components are already soldered on the Board:

C1	10 nF	Decoupling capacitor between V_{SS} and V_{DD}
R1	330 Ω	current limiting resistor for LED
LED	green	Supply, current consumption of the LED has to be considered
R2	10 kΩ	Pull-up resistor SDA to V_{DD}
R3	10 kΩ	Pull-up resistor INT to V_{DD}
R4	10 kΩ	Pull-up resistor SCL to V_{DD}

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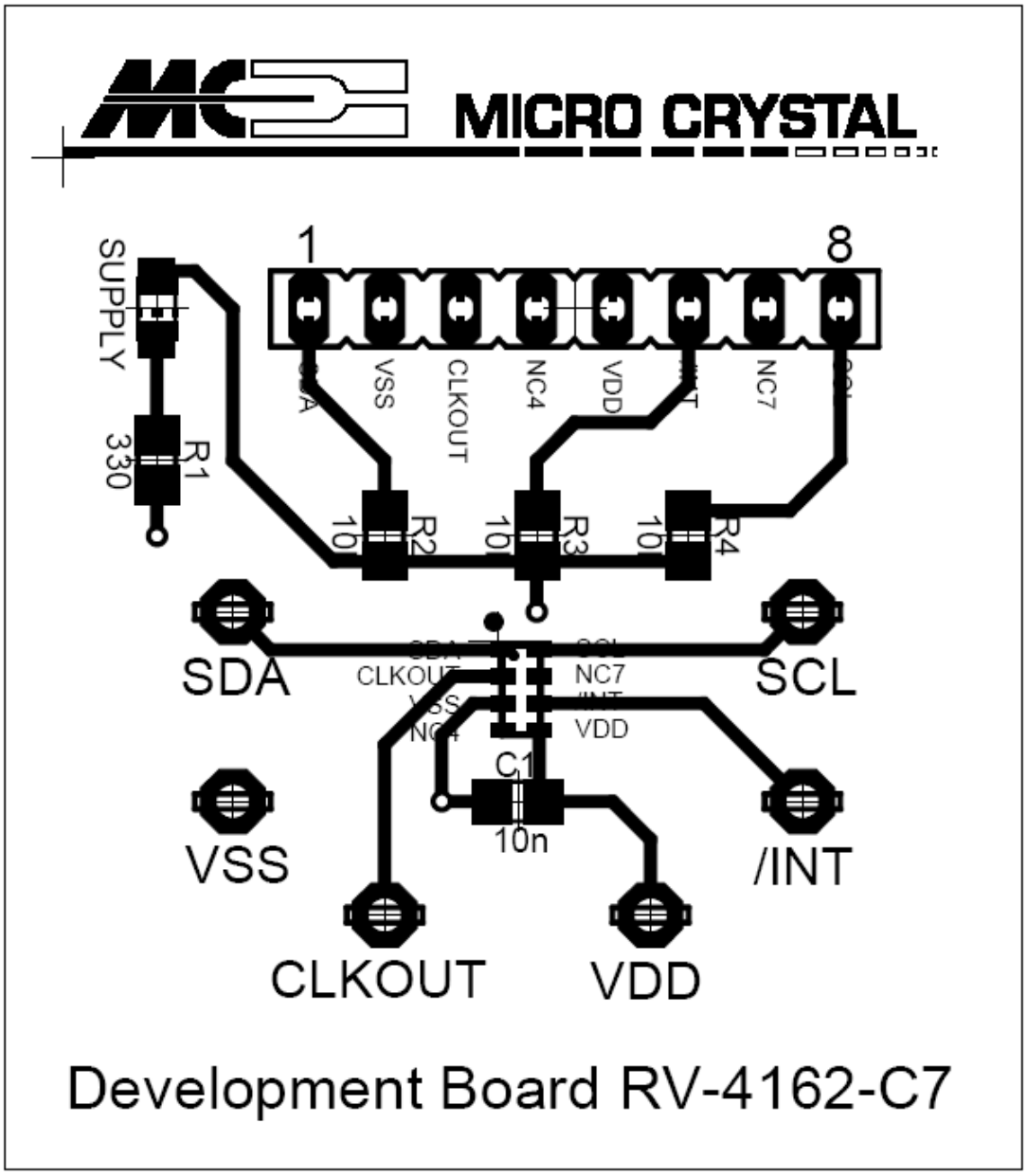

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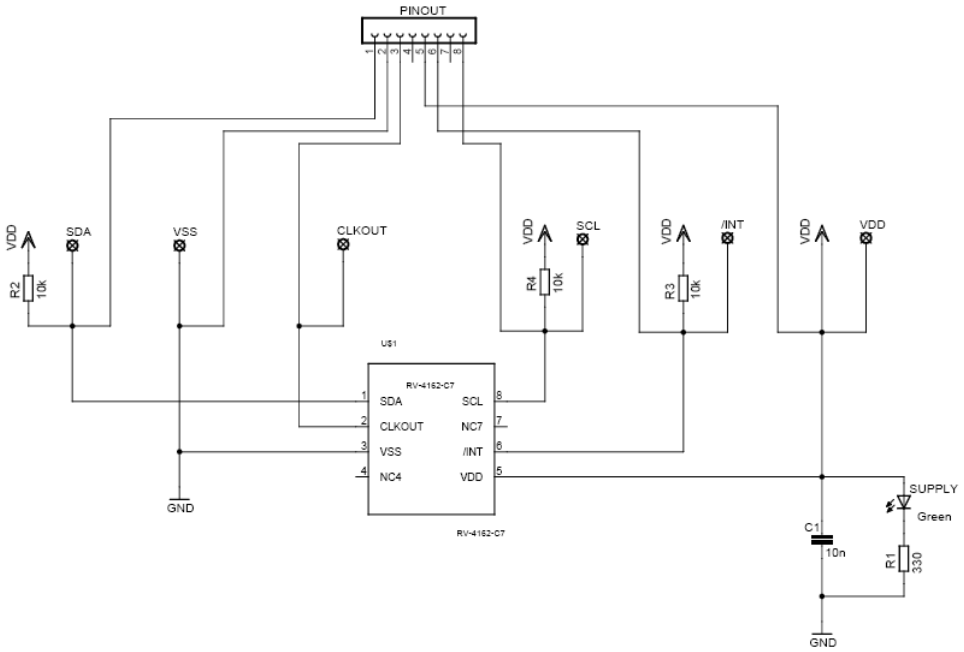
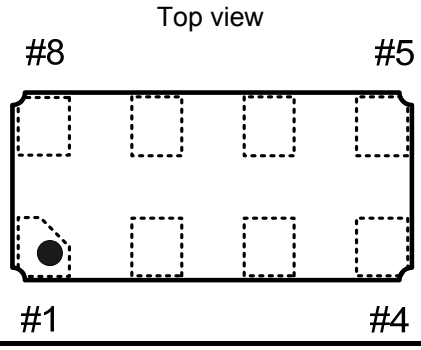
SCHEMATICS



PINOUT RV-4162-C7



# 1	SDA	# 8	SCL
# 2	CLKOUT	# 7	N.C.
# 3	V_{SS} .	# 6	$\overline{INT}$
# 4	N.C.	# 5	V_{DD}

PIN DESCRIPTION

Symbol	Pin #	Description
SDA	1	Serial Data Input-Output pin; open-drain; requires pull-up resistor.
CLKOUT	2	Clock Output pin; push-pull output; at power-up by default 32.768kHz
V_{SS}	3	Ground
NC	4	Not Connected
V_{DD}	5	Positive supply voltage; recommend 10 nF decoupling capacitor close to device
$\overline{INT}$	6	Interrupt Output pin; open-drain; active LOW
NC	7	Not Connected
SCL	8	Serial Clock Input pin; requires pull-up resistor

Datasheet and Application-Manual are available for download under: www.microcrystal.com