MICRO CRYSTAL SWITZERLAND

RV-8063-C7
Development Board

DEVELOPMENT BOARD

RV-8063-C7

Low-Power Real-Time Clock / Calendar Module

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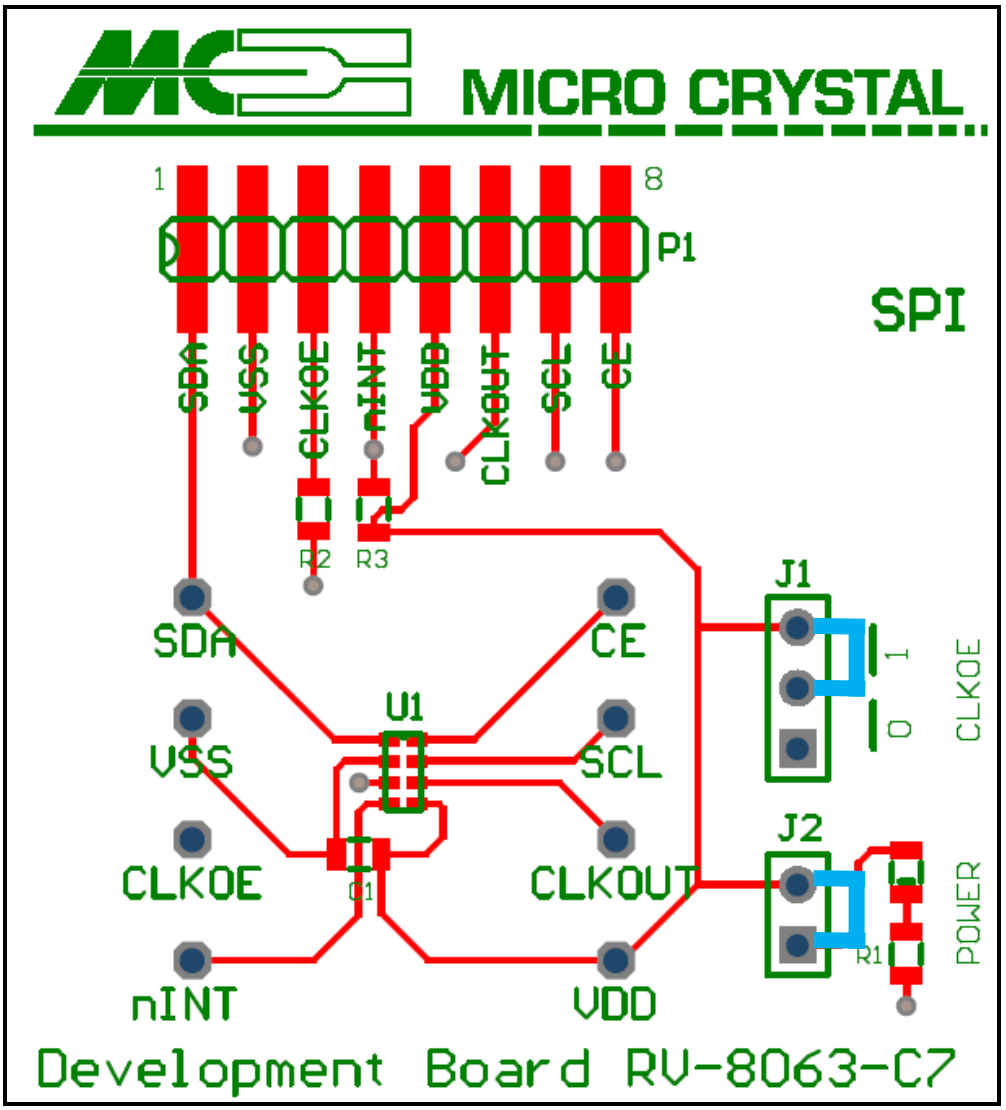
RV-8063-C7

The RV-8063-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 on, current consumption of the LED has to be considered
R2	10 kΩ	Protection resistor to prevent short-circuit between external CLKOE signal and Jumper
R3	10 kΩ	Pull-up resistor INT to V_{DD}

DEVELOPMENT BOARD



JUMPER 1

CLKOE = HIGH

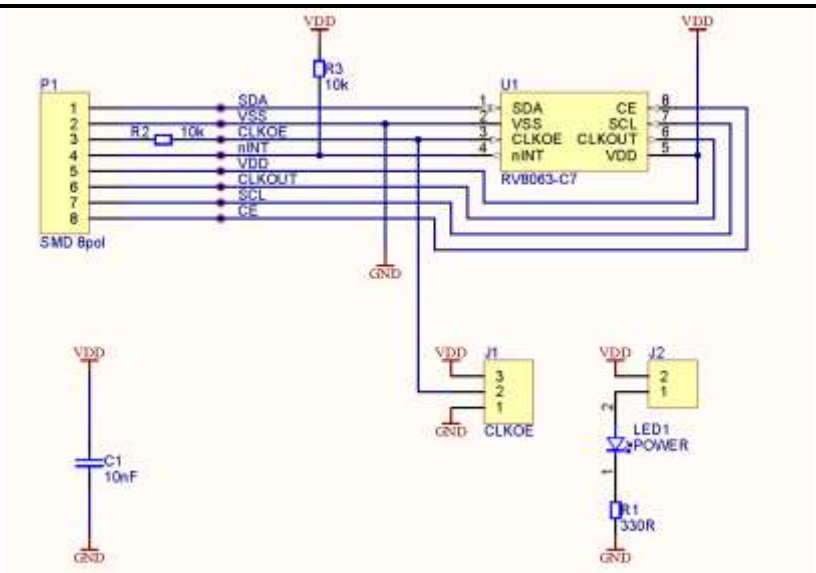
CLKOE = LOW

JUMPER 2

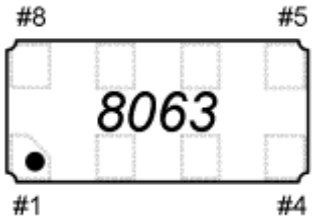
Power to LED

Development Board RV-85063-C7

SCHEMATICS



PINOUT RV-8063-C7



# 1	SDIO	# 8	CE
# 2	V_{SS}	# 7	SCL
# 3	CLKOE	# 6	CLKOUT
# 4	$\overline{INT}$	# 5	V_{DD}

PIN DESCRIPTION

Symbol	Pin #	Description
SDIO	1	Serial Data Input: When CE is LOW, input may float Serial Data Output: Push-pull output; drives from V_{SS} to V_{DD}; is high-impedance when not driving.
VSS	2	Ground
CLKOE	3	Input to enable the CLKOUT pin. If CLKOE is active HIGH, the CLKOUT pin is in output mode When CLKOE is tied to Ground, the CLKOUT pin is LOW.
$\overline{INT}$	4	Interrupt Output; open-drain; active LOW; requires pull-up resistor; Used to output alarm, minute, half minute, countdown timer and compensation Interrupt signals
VDD	5	Power Supply Voltage
CLKOUT	6	Clock Output; push-pull; controlled by CLKOE. If CLKOE is active HIGH, the CLKOUT pin drives the square wave of 32.768 kHz, 16.384 kHz, 8.192 kHz, 4.096 kHz, 2.048 kHz, 1.024 kHz or 1 Hz (Default value is 32.768 kHz). When CLKOE is tied to Ground, the CLKOUT pin is LOW
SCL	7	Serial Clock Input. When CE is LOW, this input may float
CE	8	Chip Enable Input; when LOW, the interface is reset; may not be wired permanently HIGH

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