

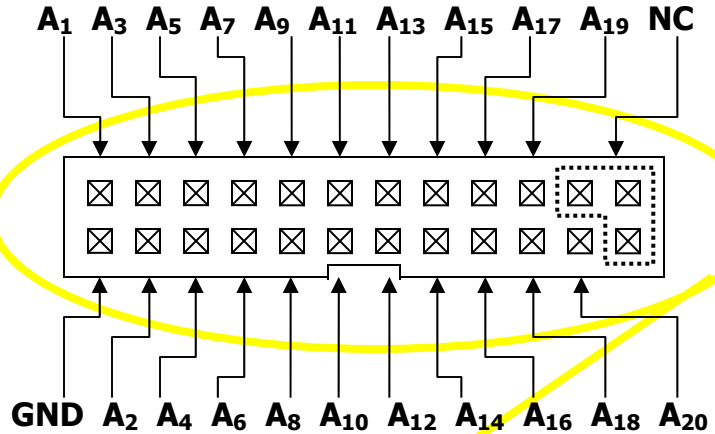
The output frequency is given by the following formula:

$$f_{out} = \frac{SEED}{2^{20}} \cdot f_{in} = \frac{\sum A_i \cdot 2^{i-1}}{2^{20}} \cdot f_{in}$$

where $A_i = 0$ (LO, VEE, open) or 1 (HI, GND) for $i = 1, 2, \dots, 20$;
valid for $1 \leq SEED \leq 2^{19}$.

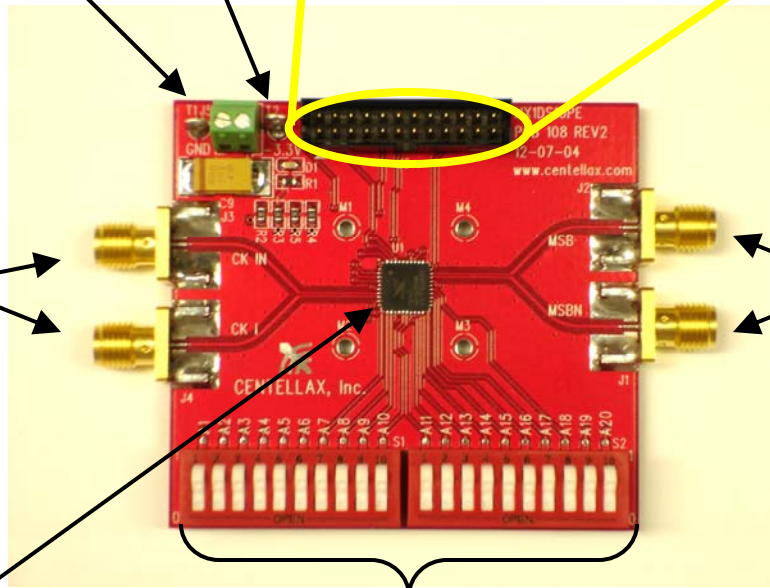
Note:

When using the parallel programming interface control, the on-board switches must be kept in the 'open' position. 'Open' corresponds to logic 'LO' or 0. Refer to the datasheet for logic level specs.



VEE = -3.3 V
GND = 0 V
I_{ee} ~ 470 mA
(clip-on or screw-down)

Differential Inputs:
50 Ohms,
SMA connectors



Differential Outputs:
R.L. ~ -7 dB
SMA connectors

Centellax
MX1DS10P
6 x 6 mm² QFN

On-board switches to control the *SEED* from 1 to 2¹⁹.

Note:
Terminate unused output in single-ended applications.

Dimensions

With connectors: 3.105" x 2.160" (78.86 mm x 54.86 mm)
Without connectors: 2.351" x 2.160" (59.73 mm x 54.86 mm)