NOTE: "A" COUNTER MUST NEVER BE LESS THAN "A" COUNTER!!

ADD SOLDER TO PUCK CENTER INCREASE FIRE OF PUCK

CONVERSION TO 2.640 MHz:
1. TOP OF BOARD OUT MC145152 PIN #22 (LIFT HIGH)
2. BOTTOM OF BOARD GROUND Pins 21-22-23 (SHORT TO GROUND)
3. ADD SOLDER TO DECREASE INDUCTANCE DRO PUCK CENTER

A COUNTER 6 BIT 0 TO 63
B COUNTER 10 BIT +3 TO 1023
DRO COUNTER SET TO +8 (10 MHz/8 = 1.25 MHz)

REFERENCE PINS

<table>
<thead>
<tr>
<th>MC145152 PINS</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
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<th>11</th>
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<td>27</td>
<td>28</td>
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<td>A5</td>
<td>A6</td>
<td>A7</td>
<td>A8</td>
<td>A9</td>
</tr>
</tbody>
</table>

STOCK BOARD = 2620 MHz = 1.25 x \( (CN \times 256) + (A \times 16) \)

\[
\begin{align*}
N &= 8 \\
A &= 3
\end{align*}
\]

2620 MHz = 1.25 \( (2048) + (48) \)

MODIFIED BOARD TO 2640 MHz = 1.25 \( (8 \times 256) + (4 \times 16) \)

\[
\begin{align*}
(2048) &+ (64) \\
(8 \times 256) &+ (4 \times 16)
\end{align*}
\]

CHANGING THE "A" COUNTER FROM '3' TO '4' CHANGES SYNTH PROGRAMMING UP 20 MHz FROM 2620 MHz TO 2640 MHz

* MODIFICATION TO DRO PUCK. ADD SOLDER BRIDGE TO INCREASE SIZE OF CENTER OF DRO PUCK TO BOARD CHIP CAPACITOR. REDUCE'S INDUCTANCE & INCREASES DRO RESONANT FREQUENCY.