| $8149 \mathrm{NOO4}$ |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | $\begin{aligned} & \text { utput } \mathrm{St} \\ & \mathrm{P}=\mathrm{V} \end{aligned}$ | $\begin{aligned} & \text {-up Sta } \\ & \text { LVDS } \end{aligned}$ |  |
| (ddd) | FSE[1:0] | Type | $(\mathrm{MHz})$ | $(\mathrm{MH} \mathrm{Z})$ | Q0 | Q1 | Q2 | Q3 |
|  | 00 | Crystal | 25 | 100 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 125 | P/on | Plon | P/on | P/on |
|  | 10 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 200 | P/on | P/on | P/on | Plon |
|  | 00 | Crystal | 25 | 100 | D/on | D/on | D/on | D/on |
| -00 | 01 | Crystal | 25 | 225 | D/on | D/on | D/on | D/on |
| -002 | 10 | Crystal | 25 | 125 | D/on | D/on | D/on | D/on |
|  | 11 | Crystal | 25 | 500 | D/on | D/on | D/on | D/on |
|  | 00 | CLK | 25 | 156.25 | P/on | P/on | P/on | P/on |
| -006 | 01 | CLK | 19.44 | 155.52 | P/on | P/on | P/on | P/on |
| -006 | 10 | CLK | 25 | 125 | P/on | P/on | P/on | P/on |
|  | 11 | CLK | 25 | 25 | P/on | P/on | P/on | Plon |
|  | 00 | Crystal | 25 | 106.25 | D/on | D/on | D/on | D/on |
| -007 | 01 | Crystal | 25 | 133.33 | D/on | D/on | D/on | D/on |
|  | 10 | Crystal | 25 | 156.25 | D/on | D/on | D/on | D/on |
|  | 11 | Crystal | 25 | 156.25 | D/on | D/on | D/on | D/on |
|  | 00 | CLK | 122.88 | 245.76 | D/on | D/on | D/on | D/on |
| -011 | 01 | CLK | 122.88 | 245.76 | P/on | P/on | P/on | Plon |
| -011 | 10 | CLK | 10 | 38.4 | P/on | P/on | P/on | P/on |
|  | 11 | CLK | 38.4 | 122.88 | P/on | P/on | Plon | P/on |
|  | 00 | Crystal | 25.78125 | 322.265625 | P/on | P/on | P/off | P/off |
| -013 | 01 | Crystal | 25.78125 | 644.53125 | P/on | P/on | P/off | P/off |
| -013 | 10 | Crystal | 25 | 156.25 | P/on | P/on | P/off | P/off |
|  | 11 | Crystal | 25 | 125 | P/on | P/on | P/off | P/off |
|  | 00 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on |
| -030 | 01 | CLK | 25 | 156.25 | P/on | P/on | P/on | P/on |
| -030 | 10 | CLK | 25 | 100 | P/on | P/on | P/on | P/on |
|  | 11 | CLK | 25 | 312.5 | P/on | P/on | P/on | P/on |
|  | 00 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on |
| -033 | 01 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on |
| -033 | 10 | Crystal | 25 | 287.5 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 312.5 | P/on | P/on | P/on | P/on |


| $\begin{aligned} & \text { Code } \\ & \text { (ddd) } \end{aligned}$ | 8749 NO 4 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { CONFG } \\ & \text { FSE[1:0] } \end{aligned}$ | Input Type | $\begin{gathered} \mathrm{f}_{\mathrm{IN}} \\ (\mathrm{M}-\mathrm{z}) \end{gathered}$ | $f_{\text {OUT }}$ <br> ( MHz ) | Output Style / Power-up State$\mathrm{P}=\mathrm{LVPECL}, \mathrm{D}=\mathrm{LVDS}$ |  |  |  |
|  |  |  |  |  | Q0 | Q1 | Q2 | Q3 |
| -034 | 00 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 19.44 | 155.52 | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 100 | P/on | P/on | P/on | P/on |
| -035 | 00 | Crystal | 25 | 100 | P/off | P/on | P/on | P/off |
|  | 01 | Crystal | 25 | 133.33333 | P/off | P/on | P/on | P/off |
|  | 10 | Crystal | 25 | 250 | P/off | P/on | P/on | P/off |
|  | 11 | Crystal | 25 | 625 | P/off | P/on | P/on | P/off |
| -037 | 00 | CLK | 212 | 212 | D/on | D/on | P/on | P/on |
|  | 01 | CLK | 212 | 212 | D/on | D/on | P/on | P/off |
|  | 10 | CLK | 212 | 212 | D/on | D/on | P/on | P/on |
|  | 11 | CLK | 212 | 212 | D/on | D/on | P/on | P/off |
| -039 | 00 | CLK | 25 | 125 | P/on | P/on | P/on | P/on |
|  | 01 | CLK | 25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 10 | CLK | 25 | 250 | P/on | P/on | P/on | P/on |
|  | 11 | CLK | 25 | 200 | D/on | D/on | D/on | D/on |
| -044 | 00 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 100 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 312.5 | P/on | P/on | P/on | P/on |
| -045 | 00 | CLK | 156.25 | 100 | D/on | D/off | D/off | D/off |
|  | 01 | CLK | 125 | 100 | D/on | D/off | D/off | D/off |
|  | 10 | CLK | 200 | 100 | D/on | D/off | D/off | D/off |
|  | 11 | CLK | 250 | 100 | D/on | D/off | D/off | D/off |
| -046 | 00 | CLK | 30.72 | 307.2 | P/on | P/on | P/on | P/on |
|  | 01 | CLK | 30.72 | 153.6 | P/on | P/on | P/on | P/on |
|  | 10 | CLK | 30.72 | 122.88 | P/on | P/on | P/on | P/on |
|  | 11 | CLK | 30.72 | 30.72 | P/on | P/on | P/on | P/on |
| -047 | 00 | Crystal | 25 | 106.25 | D/on | D/on | D/on | D/on |
|  | 01 | Crystal | 25 | 80 | D/on | D/on | D/on | D/on |
|  | 10 | Crystal | 25 | 70 | D/on | D/on | D/on | D/on |
|  | 11 | Crystal | 25 | 53.125 | D/on | D/on | D/on | D/on |


| Code <br> (ddd) | $8749 \mathrm{NOO4}$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { CONFG } \\ & \text { FSE[1:0] } \end{aligned}$ | Input <br> Type | $\mathrm{f}_{\mathrm{IN}}$ <br> (MHz) | $f_{\text {out }}$ <br> ( $\mathrm{M}-\mathrm{zz}$ ) | Output Style / Power-up State$\mathrm{P}=\mathrm{LVPECL}, \mathrm{D}=\mathrm{LVDS}$ |  |  |  |
|  |  |  |  |  | Q0 | Q1 | Q2 | Q3 |
| -048 | 00 | Crystal | 25 | 40 | D/on | D/on | D/on | D/on |
|  | 01 | Crystal | 25 | 45 | D/on | D/on | D/on | D/on |
|  | 10 | Crystal | 25 | 48 | D/on | D/on | D/on | D/on |
|  | 11 | Crystal | 25 | 50 | D/on | D/on | D/on | D/on |
| -050 | 00 | Crystal | 25 | 106.25 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 115 | P/on | P/on | P/on | Plon |
|  | 10 | Crystal | 25 | 133.3333 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 150 | P/on | P/on | P/on | P/on |
| -051 | 00 | Crystal | 30 | 182.5 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 150 | P/on | P/on | P/on | Plon |
|  | 10 | Crystal | 25 | 100 | D/on | D/on | D/on | D/on |
|  | 11 | Crystal | 25 | 250 | P/on | P/on | P/on | P/on |
| -054 | 00 | Crystal | 27 | 243 | D/on | D/on | D/off | D/off |
|  | 01 | Crystal | 27 | 243 | D/on | D/on | D/off | D/off |
|  | 10 | Crystal | 27 | 243 | D/on | D/on | D/off | D/off |
|  | 11 | Crystal | 27 | 243 | D/on | D/on | D/off | D/off |
| -055 | 00 | CLK | 10 | 100 | D/on | D/on | D/on | D/on |
|  | 01 | CLK | 10 | 100 | P/off | P/off | P/off | P/off |
|  | 10 | CLK | 10 | 100 | P/off | P/off | P/off | P/off |
|  | 11 | CLK | 10 | 100 | P/off | P/off | P/off | P/off |
| -056 | 00 | Crystal | 25 | 125 | D/on | D/on | D/on | D/on |
|  | 01 | Crystal | 25 | 156.25 | D/on | D/on | D/on | D/on |
|  | 10 | Crystal | 25 | 250 | D/on | D/on | D/on | D/on |
|  | 11 | Crystal | 25 | 312.5 | D/on | D/on | D/on | D/on |
| -057 | 00 | Crystal | 25 | 100 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 150 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on |
| -058 | 00 | CLK | 25 | 150 | P/on | P/on | P/on | P/on |
|  | 01 | CLK | 25 | 300 | P/on | P/on | P/on | P/on |
|  | 10 | CLK | 25 | 100 | P/on | P/on | P/on | P/on |
|  | 11 | CLK | 25 | 250 | P/on | P/on | P/on | P/on |

## (1) IDT. <br> Default Configurations for Programmable FemtoClock ${ }^{\circledR}$

| $8749 \mathrm{N004}$ |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Code } \\ & \text { (ddd) } \\ & \hline \hline \end{aligned}$ | $\begin{gathered} \text { CONFG } \\ \text { FSE[1:0] } \\ \hline \end{gathered}$ | InputType | $\begin{gathered} \mathbf{f}_{\mathrm{f}_{\mathrm{N}}} \\ (\mathbf{M}-\mathrm{z}) \\ \hline \end{gathered}$ | $\begin{gathered} \mathbf{f}_{\text {out }} \\ (\mathbf{M}-\mathrm{z}) \\ \hline \end{gathered}$ | Output Style / Power-up State$P=\text { LVPECL }, ~ D=L V D S$ |  |  |  |
|  |  |  |  |  | Q0 | Q1 | Q2 | Q3 |
| -059 | 00 | CLK | 125 | 100 | P/on | P/on | P/off | P/off |
|  | 01 | CLK | 125 | 100 | P/on | P/on | P/off | P/off |
|  | 10 | CLK | 125 | 100 | P/on | P/on | P/off | P/off |
|  | 11 | CLK | 125 | 100 | P/on | P/on | P/off | P/off |
| -060 | 00 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 125 | P/off | P/off | P/off | P/off |
|  | 10 | Crystal | 25 | 100 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 150 | P/on | P/on | P/on | P/on |
| -061 | 00 | Crystal | 25 | 100 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 19.44 | 155.52 | P/on | P/on | P/on | P/on |
| -063 | 00 | Crystal | 25 | 100 | P/on | P/off | P/off | P/off |
|  | 01 | Crystal | 25 | 125 | P/on | P/off | P/off | P/off |
|  | 10 | Crystal | 25 | 133.33 | P/on | P/off | P/off | P/off |
|  | 11 | Crystal | 25 | 156.25 | P/on | P/off | P/off | P/off |
| -064 | 00 | CLK | 125 | 312.5 | D/on | D/on | D/on | D/on |
|  | 01 | CLK | 125 | 250 | D/on | D/on | D/on | D/on |
|  | 10 | CLK | 156.25 | 250 | D/on | D/on | D/on | D/on |
|  | 11 | CLK | 156.25 | 312.5 | D/on | D/on | D/on | D/on |
| -065 | 00 | Crystal | 25 | 75 | D/on | D/on | D/on | D/on |
|  | 01 | Crystal | 25 | 125 | D/on | D/on | D/on | D/on |
|  | 10 | Crystal | 25 | 150 | D/on | D/on | D/on | D/on |
|  | 11 | Crystal | 25 | 250 | D/on | D/on | D/on | D/on |
| -066 | 00 | Crystal | 30.72 | 122.88 | P/on | D/on | P/on | D/on |
|  | 01 | Crystal | 30.72 | 153.6 | P/on | D/on | P/on | D/on |
|  | 10 | Crystal | 30.72 | 184.32 | P/on | D/on | P/on | D/on |
|  | 11 | Crystal | 30.72 | 245.76 | P/on | D/on | P/on | D/on |
| -067 | 00 | CLK | 125 | 50 | P/on | P/on | P/on | P/on |
|  | 01 | CLK | 125 | 25 | P/on | P/on | P/on | P/on |
|  | 10 | CLK | 125 | 100 | P/on | P/on | P/on | P/on |
|  | 11 | CLK | 125 | 156.25 | P/on | P/on | P/on | P/on |
| -068 | 00 | CLK | 76 | 106.4 | D/on | D/on | D/on | D/on |
|  | 01 | CLK | 94 | 131.6 | D/on | D/on | D/on | D/on |
|  | 10 | CLK | 76 | 76 | D/on | D/on | D/on | D/on |
|  | 11 | CLK | 94 | 94 | D/on | D/on | D/on | D/on |
| -070 | 00 | Crystal | 25 | 80 | D/on | D/on | D/on | D/on |
|  | 01 | Crystal | 25 | 125 | D/on | D/on | D/on | D/on |
|  | 10 | Crystal | 25 | 300 | D/on | D/on | D/on | D/on |
|  | 11 | Crystal | 25 | 350 | D/on | D/on | D/on | D/on |


| 8149 NOO 4 |  |  |  |  |  |  |  |  |
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| Code <br> (ddd) | $\begin{aligned} & \text { CONFG } \\ & \text { FSE[1:0] } \end{aligned}$ | Input <br> Type | $\begin{gathered} \mathbf{f}_{\mathrm{IN}} \\ (\mathrm{M}-\mathrm{z}) \end{gathered}$ | $f_{\text {out }}$ <br> (MHz) | Output Style / Power-up State P= LVPECL, D = LVDS |  |  |  |
|  |  |  |  |  | Q0 | Q1 | Q2 | Q3 |
| -999 | 00 | Crystal | 25 | 100 | P/off | P/off | P/off | P/off |
|  | 01 | Crystal | 25 | 125 | P/off | P/off | P/off | P/off |
|  | 10 | Crystal | 25 | 156.25 | P/off | P/off | P/off | P/off |
|  | 11 | Crystal | 25 | 200 | P/off | P/off | P/off | P/off |


| $8749 \mathrm{N006}$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Code } \\ & \text { (ddd) } \end{aligned}$ | CONAG FSE [1:0] | Input Type | $\begin{gathered} \mathbf{f}_{\mathrm{IN}} \\ (\mathbf{M}-\mathrm{z}) \\ \hline \end{gathered}$ | $\begin{gathered} \mathrm{f}_{\text {OUT }} \\ (\mathrm{M}-\mathrm{z}) \\ \hline \end{gathered}$ | Output Style / Power-up State$\mathrm{P}=\mathrm{LVPECL}, \mathrm{D}=\mathrm{LVDS}$ |  |  |  |  |  |
|  |  |  |  |  | Q0 | Q1 | Q2 | Q3 | Q4 | Q5 |
| -000 | 00 | Crystal | 25 | 100 | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 200 | P/on | P/on | P/on | P/on | P/on | P/on |
| -001 | 00 | Crystal | 25 | 125 | D/on | P/on | D/on | D/on | D/on | D/on |
|  | 01 | Crystal | 25 | 125 | Don | D/on | D/on | D/on | D/on | D/on |
|  | 10 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on | P/on | P/on |
| -055 | 00 | Crystal | 25 | 100 | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 150 | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on | P/on | P/on |
| -056 | 00 | Crystal | 25 | 100 | D/on | D/on | D/on | D/on | D/on | D/on |
|  | 01 | Crystal | 25 | 125 | D/on | D/on | Don | D/on | D/on | D/on |
|  | 10 | Crystal | 25 | 156.25 | D/on | D/on | D/on | D/on | D/on | D/on |
|  | 11 | Crystal | 25 | 166.66666 | D/on | D/on | D/on | D/on | D/on | D/on |
| -057 | 00 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 156.25 | D/on | D/on | D/on | D/on | D/on | D/on |
|  | 11 | Crystal | 25 | 125 | D/on | D/on | D/on | D/on | D/on | D/on |
| -999 | 00 | Crystal | 25 | 100 | P/off | P/off | P/off | P/off | P/off | P/off |
|  | 01 | Crystal | 25 | 125 | P/off | P/off | P/off | P/off | P/off | P/off |
|  | 10 | Crystal | 25 | 156.25 | P/off | P/off | P/off | P/off | P/off | P/off |
|  | 11 | Crystal | 25 | 200 | P/off | P/off | P/off | P/off | P/off | P/off |



| Code <br> (ddd) | $\begin{gathered} \text { CONFG } \\ \text { FSEL }[1: 0] \\ \hline \end{gathered}$ | $8749 \mathrm{N008}$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Input } \\ & \text { Type } \\ & \hline \hline \end{aligned}$ |  | $\begin{gathered} \mathrm{f}_{\text {out }} \\ (\mathrm{MHz}) \end{gathered}$ | Output Style / Power-up State $P=$ LVPECL,$~ D=L V D S$ |  |  |  |  |  |  |  |
|  |  |  |  |  | Q0 | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 |
| -046 | 00 | Crystal | 25 | 312.5 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 250 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 50 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
| -048 | 00 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 156.25 | P/off | P/off | P/off | P/off | P/off | P/off | P/off | P/off |
|  | 10 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 150 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
| -050 | 00 | Crystal | 25 | 100 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 150 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
| -051 | 00 | Crystal | 25 | 125 | D/on | D/on | D/on | D/on | D/on | D/on | D/on | D/on |
|  | 01 | Crystal | 25 | 125 | D/on | D/on | D/on | D/on | D/on | D/on | D/on | D/on |
|  | 10 | Crystal | 25 | 125 | D/on | D/on | D/on | D/on | D/on | D/on | D/on | D/on |
|  | 11 | Crystal | 25 | 125 | D/on | D/on | D/on | D/on | D/on | D/on | D/on | D/on |
| -053 | 00 | Crystal | 25 | 625 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 625 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 625 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 625 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
| -054 | 00 | Crystal | 25 | 125 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 125 | P/off | P/off | P/off | Ploff | Ploff | P/off | P/off | P/off |
|  | 10 | Crystal | 25 | 100 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 150 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
| -055 | 00 | Crystal | 40 | 50 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 40 | 50 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 40 | 50 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 40 | 50 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
| -056 | 00 | CLK | 25 | 500 | D/off | D/off | D/on | D/on | D/on | D/on | D/off | D/off |
|  | 01 | CLK | 25 | 500 | D/on | D/on | D/on | D/on | D/on | D/on | D/on | D/on |
|  | 10 | CLK | 25 | 500 | D/off | D/off | D/on | D/on | D/on | D/on | D/on | D/on |
|  | 11 | CLK | 25 | 500 | D/on | D/on | D/on | D/on | D/on | D/on | D/off | D/off |
| -058 | 00 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on | P/on | P/on | D/on | D/on |
|  | 01 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on | P/on | P/on | D/on | D/on |
|  | 10 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on | P/on | P/on | D/on | D/on |
|  | 11 | Crystal | 25 | 156.25 | P/on | P/on | P/on | P/on | P/on | P/on | D/on | D/on |
| -999 | 00 | Crystal | 25 | 100 | P/off | P/off | P/off | P/off | P/off | P/off | P/off | P/off |
|  | 01 | Crystal | 25 | 125 | P/off | P/off | P/off | P/off | P/off | P/off | P/off | P/off |
|  | 10 | Crystal | 25 | 156.25 | P/off | P/off | P/off | P/off | P/off | P/off | P/off | P/off |
|  | 11 | Crystal | 25 | 200 | P/off | P/off | P/off | P/off | P/off | P/off | P/off | P/off |


| 8T49N028 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Code | CONFG | Input | $\mathrm{f}_{\mathrm{N}}$ | Divider | (M-Z) |  |  |  | P=LVPECL, D=LVDS |  |  |  |
| (ddd) | FSE [1:0] | Type | (MHz) | P | BankA | BankB | Bank C | BankD | Bank A | BankB | Bank C | Bank D |
| -000 | 00 | Crystal | 25 | 1 | 25 | 100 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 1 | 25 | 100 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 1 | 25 | 100 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 1 | 25 | 100 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
| -001 | 00 | Crystal | 25 | 1 | 25 | 100 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 1 | 25 | 156.25 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 1 | 25 | 125 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 1 | 156.25 | 156.25 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
| -002 | 00 | Crystal | 25 | 1 | 25 | 100 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 1 | 25 | 25 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 1 | 25 | 125 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 1 | 156.25 | 156.25 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
| -003 | 00 | Crystal | 25 | 1 | 200 | 200 | 125 | 125 | D/on | D/on | P/on | P/on |
|  | 01 | Crystal | 25 | 1 | 25 | 100 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 1 | 25 | 125 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 1 | 156.25 | 156.25 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
| -004 | 00 | Crystal | 25 | 2 | 25 | 156.25 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 2 | 25 | 25 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 2 | 156.25 | 25 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 2 | 100 | 100 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
| -006 | 00 | Crystal | 25 | 2 | 25 | 50 | None | None | P/on | P/on | P/off | P/off |
|  | 01 | Crystal | 25 | 2 | 25 | 50 | None | None | P/on | P/on | Ploff | P/off |
|  | 10 | Crystal | 25 | 1 | 25 | 50 | None | None | P/on | P/on | P/off | P/off |
|  | 11 | Crystal | 25 | 1 | 25 | 50 | 50 | 50 | P/on | P/off | P/on | Ploff |
| -010 | 00 | Crystal | 25 | 1 | 156.25 | 156.25 | 125 | 125 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 1 | 25 | 100 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 1 | 25 | 125 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 1 | 156.25 | 156.25 | 156.25 | 156.25 | P/on | P/on | P/on | P/on |
| -999 | 00 | Crystal | 25 | 1 | 25 | 133.333 | 125 | 125 | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 1 | 25 | 25 | 125 | 125 | P/on | P/on | P/on | P/on |
|  | 10 | Crystal | 25 | 1 | 25 | 100 | 125 | 125 | P/on | P/on | P/on | P/on |
|  | 11 | Crystal | 25 | 1 | 25 | 100 | 150 | 150 | P/on | P/on | P/on | P/on |


| 8749 N524 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Code <br> (ddd) | CONAG <br> FSE [1:0] | Input Type | $\begin{gathered} \mathbf{f}_{\mathbf{N}} \\ (\mathbf{M}-\mathrm{z}) \\ \hline \end{gathered}$ | $\begin{gathered} f_{\text {out }} \\ (M H-Z) \end{gathered}$ |  | Output Style / Power-up State $\mathrm{P}=\mathrm{LVPECL}, \mathrm{D}=$ LVDS |  |  |  |  |  |  |  |
|  |  |  |  | Bank A | Bank B | QAO | QA1 | QA2 | QA3 | QBO | QB1 | QB2 | QB3 |
| -001 | 00 | Crystal | 25 | 100 | 156.25 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 01 | Crystal | 25 | 250 | 156.25 |  |  |  |  |  |  |  |  |
|  | 10 | Crystal | 25 | 250 | 156.25 |  |  |  |  |  |  |  |  |
| -002 | 00 | Crystal | 27 | 148.5 | 74.25 | D/on | D/on | D/on | D/on | D/on | D/on | D/on | D/on |
|  | 01 | Crystal | 25 | 125 | 125 |  |  |  |  |  |  |  |  |
|  | 10 | Crystal | 25 | 133.33 | 133.33 |  |  |  |  |  |  |  |  |
| -003 | 00 | Crystal | 30.72 | 122.88 | 156.25 | D/on | D/on | D/on | D/on | D/on | D/on | D/on | D/on |
|  | 01 | Crystal | 25 | 156.25 | 158.945743 |  |  |  |  |  |  |  |  |
|  | 10 | Crystal | 25 | 100 | 127.156594 |  |  |  |  |  |  |  |  |
| -004 | 00 | CLK | 125 | 250 | 312.5 | P/on | P/on | P/on | P/on | P/on | P/on | P/on | P/on |
|  | 01 | CLK | 100 | 200 | 250 |  |  |  |  |  |  |  |  |
|  | 10 | CLK | 156.25 | 312.5 | 312.5 |  |  |  |  |  |  |  |  |
| -007 | 00 | Crystal | 25 | 156.25 | 125 | D/on | D/on | D/on | D/on | D/on | D/on | D/on | D/on |
|  | 01 | Crystal | 25 | 125 | 100 |  |  |  |  |  |  |  |  |
|  | 10 | Crystal | 25 | 133.33 | 133.33 |  |  |  |  |  |  |  |  |
| -008 | 00 | Crystal | 25 | 100 | 100 | D/on | D/on | D/on | D/on | D/on | D/on | D/on | D/on |
|  | 01 | Crystal | 25 | 600 | 120 |  |  |  |  |  |  |  |  |
|  | 10 | Crystal | 25 | 200 | 100 |  |  |  |  |  |  |  |  |

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