

TSync External Connections Guide

| | PCI express | PMC | cPCI and VPX | PCI-104 | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-----------|---|---------|--|--------|-----------|-------------------------------------|---------------|-----|----------------|-----|------------|-----|-------------|-----|------------------------|------|---------------------------------------|-----------------------------|--------------------|-----|------------------------|-----|---------------------------|-----|----------------------------|-----|
| Timing I/O Connection (All Versions) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Timing I/O Adapter p/n CA08R-DMD6-0001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I/O Breakout Cable p/n CA08R-0000-0006 | | | <table border="1"> <thead> <tr> <th></th> <th>Signal</th> <th>Connector</th> </tr> </thead> <tbody> <tr> <td rowspan="5">Standard and Premium Breakout Cable</td> <td>IRIG AM Input</td> <td>BNC</td> </tr> <tr> <td>IRIG AM Output</td> <td>BNC</td> </tr> <tr> <td>1PPS Input</td> <td>BNC</td> </tr> <tr> <td>1PPS Output</td> <td>BNC</td> </tr> <tr> <td>IRIG DCLS Input/Output</td> <td rowspan="2">DB9*</td> </tr> <tr> <td>General Purpose Input/Output (1 each)</td> </tr> <tr> <td rowspan="4">Premium Breakout Cable Only</td> <td>10 MHz Sine Output</td> <td>BNC</td> </tr> <tr> <td>IRIG DCLS Input/Output</td> <td>DB9</td> </tr> <tr> <td>General Purpose Input (4)</td> <td>DB9</td> </tr> <tr> <td>General Purpose Output (4)</td> <td>DB9</td> </tr> </tbody> </table> | | | Signal | Connector | Standard and Premium Breakout Cable | IRIG AM Input | BNC | IRIG AM Output | BNC | 1PPS Input | BNC | 1PPS Output | BNC | IRIG DCLS Input/Output | DB9* | General Purpose Input/Output (1 each) | Premium Breakout Cable Only | 10 MHz Sine Output | BNC | IRIG DCLS Input/Output | DB9 | General Purpose Input (4) | DB9 | General Purpose Output (4) | DB9 |
| | Signal | Connector | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standard and Premium Breakout Cable | IRIG AM Input | BNC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | IRIG AM Output | BNC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1PPS Input | BNC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1PPS Output | BNC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | IRIG DCLS Input/Output | DB9* | | | | | | | | | | | | | | | | | | | | | | | | | | |
| General Purpose Input/Output (1 each) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Premium Breakout Cable Only | 10 MHz Sine Output | BNC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | IRIG DCLS Input/Output | DB9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | General Purpose Input (4) | DB9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | General Purpose Output (4) | DB9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Upgrade to Premium Breakout Cable p/n CA08R-0000-0005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *Not present on premium breakout cable | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Internal GPS/GNSS Receiver Option | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Coax Adapter p/n CA01R-0NSA-8001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum GPS Antenna System (Sold Separately) Cable: p/n CA01-0N0N-3xxx Antenna: p/n 8230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| External GPS/GNSS Option | | | <i>(cPCI ONLY, no External GPS for VPX)</i> | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Data Adapter mini DIN-DB15: p/n CA05R-MD15-0001 High Density DB15-DB15: p/n CA05-1515-1003 | | | <i>(cPCI ONLY, no External GPS for VPX)</i> | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS/GNSS Antenna/Receiver System Cable: p/n CA05-1512-0100 Antenna: p/n E025R-0004-0003 | | | <i>(cPCI ONLY, no External GPS for VPX)</i> | | | | | | | | | | | | | | | | | | | | | | | | | |