








909 Electric Ave., Suite 206, Seal Beach, CA 90740 USA  
 Phone: +1 562 493 0158 • Fax: +1 562 493 3158  
 www.dtsweb.com

## TDAS Distributor Options

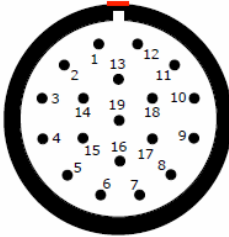
|   |  |
|---|--|
|  <p>TDAS DISTRIBUTION BOX CONTROL</p> <p>UMBILICAL TDAS COM FUSE RECORD</p> <p>EVENT EVENT OUTPUT</p> <p>POWER IN POWER OUT AUXILIARY PORTS</p> <p>90&lt;-&gt;132 VAC</p> <p>TDB0027</p> | <p><b>TDAS-TDB-02</b><br/>       TDAS PLUS Distributor (Full Featured)</p> <ul style="list-style-type: none"> <li>- 36-60VDC in. 18-36VDC optional</li> <li>- 9x 13.8VDC power outputs</li> <li>- 2x TDAS Comm Chain Ports</li> <li>- 1x TDAS Umbilical Port</li> <li>- 6x TDAS Auxiliary Ports - for iDummy, WET</li> <li>- 2x Event Inputs</li> <li>- 4x Event Outputs</li> <li>- Internal backup battery</li> <li>- Power input cable included</li> </ul> |
|  <p>SYSTEM DISTRIBUTOR</p> <p>UMBILICAL TDAS COM EVENT IN</p> <p>CONTROL IMAGERS 28 V EVENT OUT</p> <p>POWER IN 18-36 VDC SYSTEMS 15 V POWER OUT 13.8 V</p> <p>WET 4</p> <p>SDB0007</p> | <p><b>TDAS-SDB</b><br/>       TDAS PLUS System Distributor</p> <ul style="list-style-type: none"> <li>- 18-36VDC in</li> <li>- 4x 13.8VDC power out</li> <li>- (1 port at 2amp limit for WET)</li> <li>- 2x TDAS Comm Chain Ports</li> <li>- 1x TDAS Umbilical Port</li> <li>- 1x Control Port</li> <li>- 2x Imager Power/Control/Event Ports</li> <li>- 2x Event In</li> <li>- 4x Event Out</li> </ul>  |
|  <p>18-36 VDC</p> <p>CONTROL UMBILICAL iCrash</p> <p>ON</p> <p>SYSTEM STATUS</p>   | <p><b>TDAS-SD4</b><br/>       TDAS PLUS Mini-Distributor</p> <ul style="list-style-type: none"> <li>- Options: 15V, 18-36VDC, 36-60VDC</li> <li>- 4 TDAS System Ports; comm, power, control for iDummy</li> <li>- 1x TDAS Control Port</li> <li>- 1x TDAS Umbilical</li> </ul>   |

## TDAS Distributor Options

|  |   |
|--|---|
|  <p>The image shows the front panel of a blue TDAS distributor. It features a 'POWER IN' section with a 90V-132VAC input. The 'POWER OUT' section has three columns of outputs labeled 1-1, 1-2, 1-3; 2-1, 2-2, 2-3; and 3-1, 3-2, 3-3. There are also 'EVENT' and 'EVENT OUTPUT' sections with numbered ports, and 'AUXILIARY PORTS' with a 'LINK' port and numbered ports 1 through 6. Labels include 'UMBILICAL', 'TDAS COM', 'DISTRIBUTION BOX CONTROL', 'START RECORD', 'STATUS', 'POWER OUT WIRELESS ETHERNET', and '90V-132VAC'.</p>   | <p><b>TDAS-TDB-09</b><br/>         TDAS PLUS Distributor (Power only)<br/>         - 36-60VDC in; 18-36VDC optional<br/>         - 9x 13.8VDC power outputs</p> |
|  <p>The image shows the front panel of a blue TDAS distributor. It features a 'POWER IN' section with a 90V-132VAC input. The 'POWER OUT' section has three columns of outputs labeled 1-1, 1-2, 1-3; 2-1, 2-2, 2-3; and 3-1, 3-2, 3-3. There are also 'EVENT' and 'EVENT OUTPUT' sections with numbered ports, and 'AUXILIARY PORTS' with a 'LINK' port and numbered ports 1 through 6. Labels include 'UMBILICAL', 'TDAS COM', 'DISTRIBUTION BOX CONTROL', 'START RECORD', 'STATUS', 'POWER OUT WIRELESS ETHERNET', and '90V-132VAC'.</p>  | <p><b>TDAS-TDB-06</b><br/>         TDAS PLUS Distributor (Power only)<br/>         - 36-60VDC in; 18-36VDC optional<br/>         - 6x 13.8VDC power outputs</p> |
|  <p>The image shows the front panel of a blue TDAS distributor. It features a 'POWER IN' section with a 90V-132VAC input. The 'POWER OUT' section has three columns of outputs labeled 1-1, 1-2, 1-3; 2-1, 2-2, 2-3; and 3-1, 3-2, 3-3. There are also 'EVENT' and 'EVENT OUTPUT' sections with numbered ports, and 'AUXILIARY PORTS' with a 'LINK' port and numbered ports 1 through 6. Labels include 'UMBILICAL', 'TDAS COM', 'DISTRIBUTION BOX CONTROL', 'START RECORD', 'STATUS', 'POWER OUT WIRELESS ETHERNET', and '90V-132VAC'.</p> | <p><b>TDAS-TDB-03</b><br/>         TDAS PLUS Distributor (Power only)<br/>         - 36-60VDC in; 18-36VDC optional<br/>         - 3x 13.8VDC power outputs</p> |

### COM 1 Port

19-pin COM Connectors  
(EEG.2B.319.CLL)



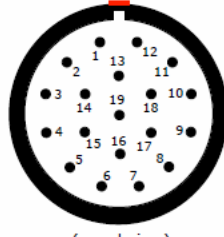
(panel view)

Suggested cable connector P/N:  
FGG.2B.319.CLADxx

| Pin | Function  |
|-----|---|
| 1   | Internal function only  |
| 2   | Internal function only  |
| 3   | Shield  |
| 4   | Start recording input, optically coupled (apply 5 V with respect to pin 16) |
| 5   | Common  |
| 6   | Status output, 5 V via 110 ohm (referenced to common)                       |
| 7   | (+) Status input, optically coupled   |
| 8   | Ethernet Tx2 (-)  |
| 9   | Ethernet Tx2 (+)  |
| 10  | Internal function only  |
| 11  | Ethernet Rx3 (-)  |
| 12  | Ethernet Rx3 (+)  |
| 13  | Ethernet Tx3 (-)  |
| 14  | Ethernet Tx3 (+)  |
| 15  | + Event   |
| 16  | (-) Common for start record and status inputs                               |
| 17  | Ethernet Rx2 (-)  |
| 18  | Ethernet Rx2 (+)  |
| 19  | - Event   |

### COM 2 Port Chain Return Loop

19-pin TDAS COM 2 connector  
(EEG.2B.319.CLL)



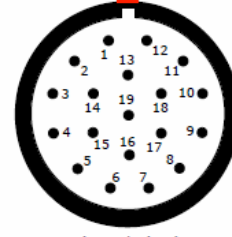
(panel view)

Suggested cable connector P/N:  
FGG.2B.319.CLADxx

| Pin | Function   |
|-----|--|
| 1   | Reserved (internal use only)                               |
| 2   | No connection  |
| 3   | Shield   |
| 4   | Start record, 0 V/+5 V                                     |
| 5   | Common for status output                                   |
| 6   | +Status output (5 V = OK)                                  |
| 7   | Status input (5 V = OK)                                    |
| 8   | No connection  |
| 9   | No connection  |
| 10  | No connection  |
| 11  | No connection  |
| 12  | No connection  |
| 13  | No connection  |
| 14  | No connection  |
| 15  | +Event, bidirectional, isolated, contact closure to pin 19 |
| 16  | Common for start record                                    |
| 17  | No connection  |
| 18  | No connection  |
| 19  | -Event, bidirectional, isolated, contact closure to pin 15 |

### Auxiliary Port

19-pin AUXILIARY PORT connectors  
(EEG.2B.319.CLL)



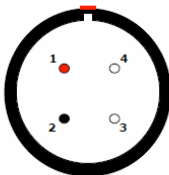
(panel view)

Suggested cable connector P/N:  
FGG.2B.319.CLADxx

| Pin | Function  |
|-----|---|
| 1   | No connection                                   |
| 2   | No connection                                   |
| 3   | Shield (enclosure)                              |
| 4   | Start record, 0/+5 V                            |
| 5   | Common for status output                        |
| 6   | +Status output (5 V = OK)                       |
| 7   | Status input (5 V = OK)                         |
| 8   | No connection                                   |
| 9   | No connection                                   |
| 10  | Reserved (internal use only)                    |
| 11  | Ethernet Rx-(3-8*)                              |
| 12  | Ethernet Rx+(3-8*)                              |
| 13  | Ethernet Tx-(3-8*)                              |
| 14  | Ethernet Tx+(3-8*)                              |
| 15  | +Event out, isolated, contact closure to pin 19 |
| 16  | Local ground                                    |
| 17  | No connection                                   |
| 18  | No connection                                   |
| 19  | -Event out, isolated, contact closure to pin 15 |

### Power Out Port

4-pin POWER OUT connectors  
(EEG.2B.304.CLL)



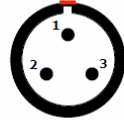
(panel view)

Suggested cable connector P/N:  
FGG.2B.304.CLADxx

| Pin | Function        |
|-----|-----------------|
| 1   | +Power (13.8 V) |
| 2   | -Power          |
| 3   | Enclosure       |
| 4   | Enclosure       |

### Event Port

3-pin EVENT (input) connectors  
(EEG.1B.303.CLL)



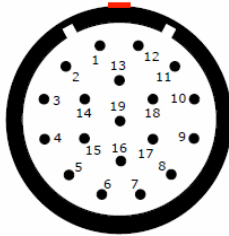
(panel view)

Suggested cable connector P/N:  
FGG.1B.303.CLADxx

| Pin | Function   |
|-----|--|
| 1   | +Event, bidirectional, isolated, contact closure to pin 2 (to common)          |
| 2   | Event common (-Event input, bidirectional, isolated, contact closure to pin 1) |
| 3   | Logic input, isolated (5 V to common)  |

### Umbilical Port

19-pin **UMBILICAL** connector  
(ECB.2B.319.CLV)



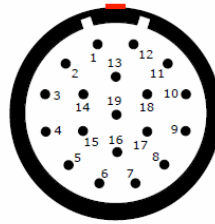
(panel view)

Suggested cable connector P/N:  
FGB.2B.319.CLADxx

| Pin | Function   |
|-----|--|
| 1   | No connection  |
| 2   | Power present signal                                       |
| 3   | Shield   |
| 4   | Start record input, +5 V = start                           |
| 5   | Common for status output                                   |
| 6   | +Status output (5 V = OK)                                  |
| 7   | Reserved (internal use only)                               |
| 8   | Ethernet Rx- (10/100BaseT/Tx)                              |
| 9   | Ethernet Rx+ (10/100BaseT/Tx)                              |
| 10  | No connection  |
| 11  | No connection  |
| 12  | No connection  |
| 13  | No connection  |
| 14  | No connection  |
| 15  | +Event, bidirectional, isolated, contact closure to pin 19 |
| 16  | Common for start record                                    |
| 17  | Ethernet Tx- (10/100BaseT/Tx)                              |
| 18  | Ethernet Tx+ (10/100BaseT/Tx)                              |
| 19  | -Event, bidirectional, isolated, contact closure to pin 15 |

### Systems Port

19-pin **TDAS Systems** connectors  
(ECA.2B.319.CLV)



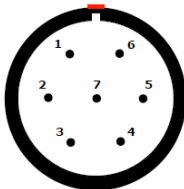
(panel view)

Suggested cable connector P/N:  
FGA.2B.319.CLADxx

| Pin | Function   |
|-----|--|
| 1   | Power control output ( <b>iDummy™</b> ) (short to ground = on) |
| 2   | No connection  |
| 3   | Shield (ground)  |
| 4   | +Start record to DAS (5 V = start)                             |
| 5   | Signal ground  |
| 6   | +Status to DAS (5 V = OK)                                      |
| 7   | +Status from DAS (5 V = OK)                                    |
| 8   | Main power output (+15 VDC)                                    |
| 9   | Main power output (+15 VDC)                                    |
| 10  | System active signal from DAS                                  |
| 11  | Ethernet Rx- (10/100BaseT/Tx)                                  |
| 12  | Ethernet Rx+ (10/100BaseT/Tx)                                  |
| 13  | Ethernet Tx- (10/100BaseT/Tx)                                  |
| 14  | Ethernet Tx+ (10/100BaseT/Tx)                                  |
| 15  | +Event, bidirectional, isolated, contact closure to pin 19     |
| 16  | Common for start record and status input (ground)              |
| 17  | Main power return  |
| 18  | Main power return  |
| 19  | -Event, bidirectional, isolated, contact closure to pin 15     |

### Control Port

7-pin **CONTROL** connector  
(ECG.2B.307.CLV)



(panel view)

Suggested cable connector P/N:  
FGG.2B.307.CLADxx

| Pin | Function  |
|-----|---|
| 1   | +Start record, bidirectional, isolated, 0-5 V signal to pin 2 |
| 2   | -Start record, bidirectional, isolated, return line for pin 1 |
| 3   | +Event, isolated input, 5-12 V applied with respect to pin 7  |
| 4   | Ground for status output                                      |
| 5   | Status output, 0 V/+5 V with respect to pin 4                 |
| 6   | +Event, bidirectional, isolated, contact closure to pin 7     |
| 7   | -Event, bidirectional, isolated, contact closure to pin 6     |