

RAPTOR GO 1G/10G ETHERNET SWITCHES TSN/MACSEC 1G/10GBASE-T ENABLED

PDS - 378



Next-Generation Ethernet Switch Units

Amphenol's next-generation RaptorGo TSN/MACSec Enabled 1G/10GBase-T Ethernet, standalone switches operate with 34-36 individual channels, supporting speeds of up to 1GBase-T and 10GBase-T.

Management is handled by on-board quad-core ARM processors, each with ample memory for complex networking applications.

Several versions of the RaptorGo switch are available which have different quantities of the 10GBase-T (six and eight) compatible ports while each of the units has 28 channels of up to 1GBase-T.





FEATURES & BENEFITS:

- 34-36 channel standalone Ethernet switch
 - 6 channels 10GBase-T; 28 channels 1GBase-T
 - 8 channels 10GBase-T; 28 channels 1GBase-T
- Support for multiple speeds: 10/100/1G/2.5G/5G/10GBase-T
- Layer 2 and Layer 3 network management capabilities, including support for time-sensitive networking (TSN), MACsec, and advanced routing applications.
- Dedicated management interfaces via dual RS-232 and 1GBase-T
- Powered by dual quad-core ARM CPUs with DDR4-SDRAM, flash memory, and EEPROM.
- Linux OS with comprehensive network management software.

Whole Range of Applications

- Access
- Campus
- Data Center
- Industrial

Carrier Grade Features

- Layer 2+ switching
- Layer 3 Diverse routing protocol support* (Option)
- Full support for POE+ with extensive power budget management
- Dual Power Supply support (hot swap)
- Dying Gasp support
- Dual FAN support (hot swap)
- System health monitoring and alarms
- DDoS protection
- Industrial devices and technologies support

Optional Features

- OpenROS extensibility
- BGP routing
- 1588 PTP & SyncE Clock synchronization
- McLAG
- ERPS G.8032
- VxLAN
- MACsec
- HSR/PRP
- TSN







Ruggedization

- Fully ruggedized to withstand extreme environmental and EMI/EMP conditions.
- Interfaces for power diagnostics and more.
- Meets the following environmental specifications:
- Operating Temperature: -40°C to 85°C while operating.
- Storage Temperature: -55°C to 125°C.
- Humidity: 0-100% non-condensing humidity during operation.
- Vibration: 10g peak, 5-2,000 Hz sine vibration, and 40 G peak shock cycles.
- Altitude: -1,500 to 60,000 ft with rapid depressurization.
- EMC: Designed to comply with MIL-STD-461E.



Centralized Fleet Management

- SNMP
- Miyagi.io

*OpenROS Concept (Optional)

- Linux inside switch CPU
- (Debian/Ubuntu)
- All ROS functions as Linux process
- Support of Linux compatible devices with binary kernel modules supported.
- Virtual interfaces to flow traffic switch<->linux
- Internal virtual loopback to allow switch control
- Works on ARM and x86

ROS Functions

Basic Functions

- Port Speed/duplex management
- Port Auto management
- VCT Diagnostics Port features
- Jumbo Frames (FE and GE)
- LAG / LACP
- Green Ethernet
- STP/RSTP/MSTP etc.
- VLANS (Protocol / MAC / IPv4 based)
- GVRP/GARP
- Multicast/CPE(Triple Play) VLAN
- QinQ
- Flow Control 802.3x
- Back Pressure
- Loopback and UDLD (Unidirectional link) detection
- Optical Transceiver Analysis

Quality of Service

- Basic / Advanced QOS (Port/Flow)
- CoS/QoS
- Ingress/egress Rate Limiting/Shaping
- SP/WRR Queue settings
- L2/L3 CoS->Queue mapping
- Per-Flow Actions

Security

- Access Control and logging
- Time based ACL
- MAC/Port based security
- Ace priority
- 802.1x enchanced (all variants)
- 802.1x MAC/Port/Web/Time based
- Radius Authentication/Accounting/802.1x
- TACACS+ Client and Accounting
- Syslog
- DHCP Snooping
- ARP inspection
- IP Source Guard
- Secure Control Technology (protect CPU)
- DoS Attach prevention
- *MACSec (GCM-AES-(XPN)-128/256)

Monitoring

- Mirroring SPAN/RSPAN
- RMON/SMON
- SNMP v1/2/3 with MIBs
- Environmental PS/RPS, FAN, Temperature
- SFLOW v5
- Counters with History

Multicast

- IGMP Snooping v1/2/3
- MLD Snooping v1/2
- MLD Querier
- Unregistered Mcast
- *PIM-SM (optional)
- IGMP/MLD Proxy

Management

- OOB & serial Console support
- CLI/SNMP management (IPv4,IPv6) over Telnet or SSH
- USB/SD flash storage support
- DHCP based Self-Configuration/Update
- RMON, Syslog, Radius, TACACS+
- DNS, DHCP, SNTP, LLDP-MED, UpnP
- LLDP 802.1ab + LLDP MED
- WEB-GUI interface for basic management
- *Detailed REST compatible API (Optional)
- *Full WEB-GUI with flexible configuration options (Optional)



*Power Over Ethernet (Optional)

- PoE 802.3af 802.3at 60W PoE
- PoE Budget with LLDP negotiation
- Time Based PoE
- PoE Consumption monitor

*IP Routing (Optional)

- L3 DHCP Relay
- Proxy ARP for IP Routing
- OSPF / RIP
- Equal Cost Multiple Path (ECMP)
- VRRP
- IP SLA
- Loopback IP interface (Source Address Selection)
- UDP Relay
- IPv6 static unicast routing

*Stacking (Optional)

- Optional Stacking up to 8(16) units using uplinks
- Real cross-unit features, not just Management
- Stand-alone and Stack-mode operation
- Stack Master Election process
- Stack Backup capabilities
- Unit joining or leaving the stack
- Stacking Fast Failover & LAG

*Industrial Features (Optional)

- G.8032, ERPS Ring Protection
- High accuracy one-step and two-step PTP compliant with IEEE 1588v1/v2 and ITU-T G.8273.2 Class C and IEEE 802.1AS-2020 support
- SyncE compliant
- IEC 62439-3 HSR/PRP High available seamless redundancy (Parallel Redundancy Protocol)

*TSN (Optional)

- IEEE 802.1CM-2018 Profile B
- IEEE 802.1AS-2020 Timing and Synchronization 4 time domains plus 1 free running clock
- IEEE 802.1Qav, IEEE 802.1Qbv, IEEE 802.1Qbu and 802.3br, IEEE 802.1Qci, IEEE 802.1CB

*Synchronization and Precision Time Protocol (PTP

- High accuracy one-step and two-step PTP compliant with
- IEEE 1588v1/v2 and ITU-T G.8273.2 Class C
- SyncE compliant
- IEEE 802.1AS-2020 support

Ordering Information

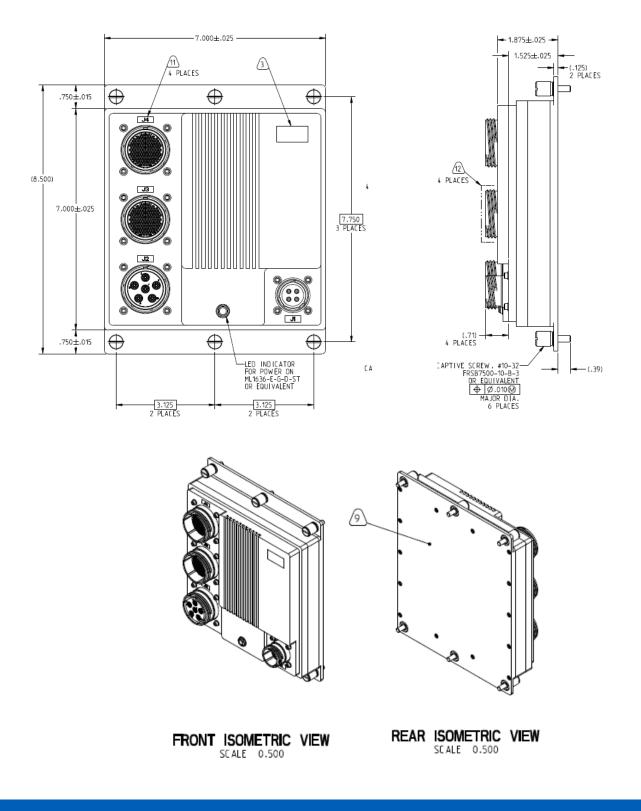
Part Number Table

CF-02WA00-29X	6 channels 10GBase-T; 28 channels 1GBase-T	Managed	75 Watts	~60 second boot
CF-02WA00-30X	8 channels 10GBase-T; 28 channels 1GBase-T	Managed	65 Watts	~60 second boot



DIMENSIONS & I/O

CF-02WA00-29X





DIMENSIONS & I/O

CF-02WA00-29X

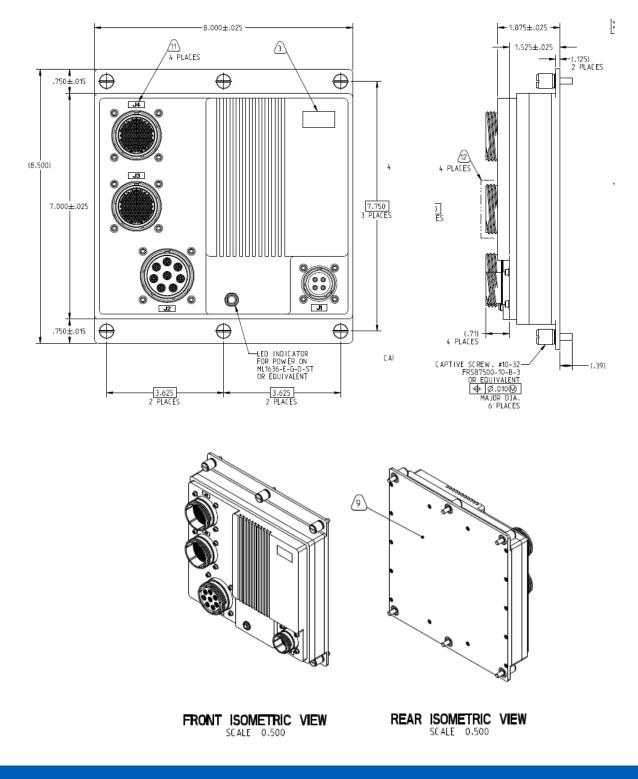
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15-4P		D		NOT CONNECTED		A-4	В	1	10GBase-T_DB-		D-5	BI	4	10GBase-T_D
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						A-6			10GBase-T_DC-		D-7	_		10GBase-T_DI
						A-7			10GBase-T_DD+		D-8	1		10GBase-T_DI
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						B-8			10GBase-T_DD-		E-CENTER			CHASSIS GN
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						B-CENTER			CHASSIS GND		F-2			10GBase-T_D
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J4 _	2 6 7 13 14 15 16 3 4 9 9 10 17 17 18 19 20 23	_		16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+		46 47 48 58 59 60 61 49 50 52 53 62 63 64 65 55 55 56 64 57	BI	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DA+ 16		91 92 93 94 104 105 106 107 109 110 111 112 121 122 123 124 115 116 117	BI	31 -	16Base-T_DA 16Base-T_DE 16Base-T_DE 16Base-T_DE 16Base-T_DE 16Base-T_DE 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DE 16Base-T_DE 16Base-T_DE 16Base-T_DD 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA
J4	2 6 7 13 14 15 16 3 4 9 10 17 18 19 20 23 24	_		16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA-	1GBa:	46 47 48 58 59 60 61 49 50 52 53 62 63 64 65 54 55 54 55 56 57 757 56		-	16Base-T_DA- 16Base-T_DB+ 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DD+ 16Base-T_DC+ 16Base-T_D0+ 16Base-T_D0+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DB+ 16	1GBase-	91 92 93 94 104 105 106 107 109 110 111 112 121 122 123 124 115 116 117	BI	-	16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DD 16Base-T_DD 16Base-T_DA 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA
J4 Base-T 3-15P	2 6 7 13 14 15 16 3 4 9 9 10 17 17 18 19 20 23 24 25	_		16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+		46 47 48 58 59 60 61 49 50 52 53 62 63 64 65 55 54 55 55 56 57 66 67	BI	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC+ 16		91 92 93 94 105 106 106 107 109 110 111 112 121 122 123 124 115 116 117 118 117 118 127	BI	31 -	16Base-T_DA 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DC 16Bas
J4 Base-T 3-151P	2 6 7 13 14 15 16 3 4 9 10 17 17 18 19 20 23 24 25 26	_		16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ </td <td>1GBa:</td> <td>46 47 48 58 59 60 60 61 49 50 61 49 52 53 64 65 63 64 65 55 64 55 56 56 67 66 67 68</td> <td>BI</td> <td>26</td> <td>16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16</td> <td>1GBase-</td> <td>91 92 93 94 104 105 106 107 109 109 110 111 112 121 122 123 124 115 116 117 118 126 127 128</td> <td>BI</td> <td>31 -</td> <td>16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Bas</td>	1GBa:	46 47 48 58 59 60 60 61 49 50 61 49 52 53 64 65 63 64 65 55 64 55 56 56 67 66 67 68	BI	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16	1GBase-	91 92 93 94 104 105 106 107 109 109 110 111 112 121 122 123 124 115 116 117 118 126 127 128	BI	31 -	16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Bas
J4 Base-T 3-151P	2 6 7 13 14 15 16 3 4 9 9 10 17 18 19 20 23 24 25 26 34	BI	22	16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DB+ 16Base-T_DC+	1GBa:	46 47 48 58 59 60 61 49 50 52 53 62 63 64 65 55 56 63 64 55 55 56 66 67 68 69	BI	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC- 16Base-T_DB- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DD- 16Base-T_DC- 16	1GBase-	91 92 93 94 104 105 106 107 109 110 111 112 121 122 123 124 115 116 117 116 126 127 128 129	BI	31 -	16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Bas
J4 Base-T I3-151P	2 6 7 13 14 15 16 3 4 9 9 10 17 17 18 19 20 23 24 25 26 34 35	BI	22	16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DC+ 16Base-T_DC-	1GBa:	46 47 48 58 59 60 61 49 50 52 53 62 63 64 65 55 54 55 56 66 67 68 69 83	BI	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC+ 16	1GBase-	91 92 93 94 104 105 106 107 109 100 110 111 112 121 122 123 124 115 116 117 118 127 128 127 128 127 132	BI	31 -	16Base-T_DA- 16Base-T_DE- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC- 16
J4 Base-T 23-151P	2 6 7 13 14 15 16 3 4 9 10 17 17 18 19 20 23 24 25 26 34 35 36	BI	22	16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ </td <td>1GBa:</td> <td>46 47 48 58 59 60 60 61 49 50 52 53 64 65 52 63 64 65 55 63 64 55 56 67 67 68 68 84</td> <td>BI</td> <td>26</td> <td>16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DA+ 16</td> <td>1GBase-</td> <td>91 92 93 94 104 105 106 107 109 110 111 112 122 123 124 115 116 117 118 126 126 127 128 129 133</td> <td>BI</td> <td>31 -</td> <td>16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DC 16Bas</td>	1GBa:	46 47 48 58 59 60 60 61 49 50 52 53 64 65 52 63 64 65 55 63 64 55 56 67 67 68 68 84	BI	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DA+ 16	1GBase-	91 92 93 94 104 105 106 107 109 110 111 112 122 123 124 115 116 117 118 126 126 127 128 129 133	BI	31 -	16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DC 16Bas
J4 Base-T 23-151P	2 6 7 13 14 15 16 3 4 9 9 10 17 17 18 19 20 23 24 25 26 34 35	BI	22	16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DC+ 16Base-T_DC-	1GBa:	46 47 48 58 59 60 60 61 49 50 52 53 62 63 64 65 55 55 56 63 64 65 55 55 66 67 68 88 67 68 83 84 85	BI	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16	1GBase-	91 92 93 94 104 105 105 106 107 109 110 111 112 121 122 123 122 123 124 126 127 128 129 132 133 134	BI	31 -	16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Bas
J4 Base-T 23-151P	2 6 7 13 14 15 16 3 4 9 10 17 17 18 19 20 23 24 25 26 34 35 36	BI	22	16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ </td <td>1GBa:</td> <td>46 47 48 58 59 60 61 49 50 52 53 62 63 63 64 65 55 56 55 56 55 56 67 68 67 68 69 83 84 85</td> <td>B1</td> <td>26</td> <td>168ase-T_DA- 168ase-T_DB+ 168ase-T_DB+ 168ase-T_DC+ 168ase-T_DC- 168ase-T_DD- 168ase-T_DD- 168ase-T_DD- 168ase-T_DA+ 168ase-T_DB+ 168ase-T_DB+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA- 168ase-T_DA- 168ase-T_DA- 168ase-T_DA- 168ase-T_DA- 168ase-T_DA- 168ase-T_DB- 16</td> <td>1GBase-</td> <td>91 92 93 94 104 105 106 106 107 109 100 110 111 112 121 122 121 122 124 115 116 117 128 127 128 127 128 127 133 134 135</td> <td>BI</td> <td>31</td> <td>16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16</td>	1GBa:	46 47 48 58 59 60 61 49 50 52 53 62 63 63 64 65 55 56 55 56 55 56 67 68 67 68 69 83 84 85	B1	26	168ase-T_DA- 168ase-T_DB+ 168ase-T_DB+ 168ase-T_DC+ 168ase-T_DC- 168ase-T_DD- 168ase-T_DD- 168ase-T_DD- 168ase-T_DA+ 168ase-T_DB+ 168ase-T_DB+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DC+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA+ 168ase-T_DA- 168ase-T_DA- 168ase-T_DA- 168ase-T_DA- 168ase-T_DA- 168ase-T_DA- 168ase-T_DB- 16	1GBase-	91 92 93 94 104 105 106 106 107 109 100 110 111 112 121 122 121 122 124 115 116 117 128 127 128 127 128 127 133 134 135	BI	31	16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16
J4	2 6 7 13 14 15 16 3 4 9 10 17 18 19 20 20 20 22 24 25 26 34 35 36 37 28	BI	22	16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA+ 16Base-T_DA- 16Base-T_DC- 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ </td <td>1GBa:</td> <td>46 47 48 58 59 60 60 61 49 50 52 53 63 64 65 55 56 65 65 65 65 65 65 65 65 65 65</td> <td>BI</td> <td>26</td> <td>16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DB+ 16</td> <td>1GBase-</td> <td>91 92 93 94 104 105 106 107 109 110 111 112 122 123 124 115 116 117 118 126 127 128 129 133 134 135 135</td> <td>BI</td> <td>31 -</td> <td>16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DB 16Bas</td>	1GBa:	46 47 48 58 59 60 60 61 49 50 52 53 63 64 65 55 56 65 65 65 65 65 65 65 65 65 65	BI	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DB+ 16	1GBase-	91 92 93 94 104 105 106 107 109 110 111 112 122 123 124 115 116 117 118 126 127 128 129 133 134 135 135	BI	31 -	16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DB 16Bas
J4 Base-T 3-15 P	2 6 7 13 14 15 16 3 4 9 9 10 17 17 18 19 20 23 24 25 26 34 35 36 37 28 29	BI	22	16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA-	1GBa:	46 47 48 58 59 60 60 61 49 50 52 53 62 63 64 65 55 56 63 64 65 55 55 66 67 67 67 68 69 83 84 85 86 95 96	B1	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16	1GBase-	91 92 93 94 104 105 106 106 107 109 100 110 111 112 121 122 121 122 124 115 116 117 128 127 128 127 128 127 133 134 135	BI	31	16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DO- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16
J4 Base-T 23-15 1 P	2 6 7 13 14 15 16 3 4 9 10 17 17 18 9 10 17 17 18 19 20 23 24 25 26 34 35 36 37 28 29 30	BI	22	16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+	1GBa:	46 47 48 58 59 60 61 49 50 52 53 62 63 63 64 65 55 54 64 65 55 54 64 65 55 56 67 68 69 83 84 85 86 95 97	B1	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16	1GBase-	91 92 93 94 104 105 106 106 107 109 100 110 111 112 121 122 123 124 115 116 117 128 127 128 127 128 127 128 127 133 134 135 142 148	BI	31	16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DB 16Base-T_DB 16Base-T_DC 16Bas
J4 	2 6 7 13 14 15 16 3 4 9 9 10 17 17 18 19 20 23 24 25 26 34 35 36 37 28 29 30 31	BI	22	16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ </td <td>1GBa:</td> <td>46 47 48 58 59 60 60 61 49 50 52 53 63 64 65 55 56 65 65 65 65 65 65 67 67 68 88 84 85 95 98</td> <td>B1</td> <td>26</td> <td>16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16</td> <td>1GBase-</td> <td>91 92 93 94 104 105 106 107 109 100 110 111 112 122 123 124 115 116 117 118 126 127 128 128 129 133 134 135 142 142 143</td> <td>BI</td> <td>31</td> <td>16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DB 16Base-T_DC 16Bas</td>	1GBa:	46 47 48 58 59 60 60 61 49 50 52 53 63 64 65 55 56 65 65 65 65 65 65 67 67 68 88 84 85 95 98	B1	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16	1GBase-	91 92 93 94 104 105 106 107 109 100 110 111 112 122 123 124 115 116 117 118 126 127 128 128 129 133 134 135 142 142 143	BI	31	16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DB 16Base-T_DC 16Bas
J4 Base-T 23-151P	2 6 7 13 14 15 16 3 4 9 10 17 18 19 20 23 24 25 26 34 35 36 37 22 8 29 30 31 14	BI	22 23	16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ </td <td>1GBa:</td> <td>46 47 48 58 59 60 60 61 49 50 52 53 62 63 64 65 54 55 56 67 66 67 67 66 69 83 84 85 86 69 83 84 85 95 96 97 98 87</td> <td>B1</td> <td>26</td> <td>16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DC+ 16</td> <td>1GBase-</td> <td>91 92 93 94 104 105 106 106 107 109 100 110 111 112 121 122 123 124 115 116 117 128 127 128 127 128 127 128 127 133 134 135 142 148</td> <td>BI</td> <td>31</td> <td>16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DB 16Base-T_DC 16Bas</td>	1GBa:	46 47 48 58 59 60 60 61 49 50 52 53 62 63 64 65 54 55 56 67 66 67 67 66 69 83 84 85 86 69 83 84 85 95 96 97 98 87	B1	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DC+ 16	1GBase-	91 92 93 94 104 105 106 106 107 109 100 110 111 112 121 122 123 124 115 116 117 128 127 128 127 128 127 128 127 133 134 135 142 148	BI	31	16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DA 16Base-T_DB 16Base-T_DC 16Bas
J4 Base-T 3-15 P	2 6 7 13 14 15 16 3 4 9 9 10 10 17 18 19 20 20 23 24 25 26 34 35 36 37 22 22 22 23 24 25 26 34 35 36 40 40 41	BI	22 23	16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- </td <td>1GBa:</td> <td>46 47 88 58 59 60 61 49 50 52 53 62 63 64 65 55 55 55 55 55 66 67 67 68 83 84 85 86 95 96 97 987 88</td> <td>B1</td> <td>26</td> <td>16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC- 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC- 16Base-T_DB- 16Base-T_DC- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16</td> <td>1GBase-</td> <td>91 92 93 94 104 105 106 107 109 100 110 111 112 122 123 124 115 116 117 118 126 127 128 128 129 133 134 135 142 142 143</td> <td>BI</td> <td>31</td> <td>16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC- 16</td>	1GBa:	46 47 88 58 59 60 61 49 50 52 53 62 63 64 65 55 55 55 55 55 66 67 67 68 83 84 85 86 95 96 97 987 88	B1	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC- 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC- 16Base-T_DB- 16Base-T_DC- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16	1GBase-	91 92 93 94 104 105 106 107 109 100 110 111 112 122 123 124 115 116 117 118 126 127 128 128 129 133 134 135 142 142 143	BI	31	16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC- 16
J4 Base-T 3-151P	2 6 7 13 14 15 16 3 4 9 10 17 18 19 20 23 24 25 26 34 35 36 37 28 29 30 31 40 44 1 42	BI	22 23	16Base-T_DA- 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DD+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ </td <td>1GBa:</td> <td>46 47 48 58 59 60 61 49 50 52 53 63 64 65 55 56 65 65 65 65 65 67 67 68 88 84 85 95 96 67 98 88 89</td> <td>B1</td> <td>26</td> <td>16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD+ 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC- 16Base-T_DA- 16Base-T_DC- 16Base-T_DA- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DD- 16Base-T_DA- 16</td> <td>1GBase-</td> <td>91 92 93 94 104 105 106 107 109 110 111 112 122 123 124 115 116 117 118 126 127 128 129 133 134 132 133 134 135 135 135 135 135 135 135 135 135 135</td> <td>BI</td> <td>31</td> <td>16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DB 16Base-T_DC 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DC 16Bas</td>	1GBa:	46 47 48 58 59 60 61 49 50 52 53 63 64 65 55 56 65 65 65 65 65 67 67 68 88 84 85 95 96 67 98 88 89	B1	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD+ 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC- 16Base-T_DA- 16Base-T_DC- 16Base-T_DA- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DD- 16Base-T_DA- 16	1GBase-	91 92 93 94 104 105 106 107 109 110 111 112 122 123 124 115 116 117 118 126 127 128 129 133 134 132 133 134 135 135 135 135 135 135 135 135 135 135	BI	31	16Base-T_DA 16Base-T_DB 16Base-T_DB 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DD 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DA 16Base-T_DB 16Base-T_DC 16Base-T_DB 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DC 16Base-T_DA 16Base-T_DC 16Bas
J4 Base-T 3-151P	2 6 7 13 14 15 16 3 4 9 9 10 10 17 18 19 20 20 23 24 25 26 34 35 36 37 22 22 22 23 24 25 26 34 35 36 40 40 41	BI	22 23	16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DA- 16Base-T_DA- </td <td>1GBa:</td> <td>46 47 48 58 59 60 60 61 49 50 52 53 62 63 64 65 54 65 54 55 56 67 66 67 67 66 88 69 83 84 85 86 69 83 84 85 86 80 95 96 97 98 87 88 99 90 90</td> <td>BI</td> <td>26</td> <td>16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB- 16</td> <td>1GBase-</td> <td>91 92 93 94 104 105 106 107 109 100 110 111 112 121 122 123 124 115 116 117 128 124 127 128 127 128 127 128 127 133 134 135 142 148 148 148 149 137</td> <td>BI BI BI</td> <td>31 32 33 33</td> <td>16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DD- 16Base-T_DO- 16Base-T_DO- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16</td>	1GBa:	46 47 48 58 59 60 60 61 49 50 52 53 62 63 64 65 54 65 54 55 56 67 66 67 67 66 88 69 83 84 85 86 69 83 84 85 86 80 95 96 97 98 87 88 99 90 90	BI	26	16Base-T_DA- 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB- 16	1GBase-	91 92 93 94 104 105 106 107 109 100 110 111 112 121 122 123 124 115 116 117 128 124 127 128 127 128 127 128 127 133 134 135 142 148 148 148 149 137	BI BI BI	31 32 33 33	16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DD- 16Base-T_DO- 16Base-T_DO- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DD- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DD- 16Base-T_DD- 16Base-T_DD- 16Base-T_DA- 16
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NNECTOR	PIN	DATA	N S	IGNAL NAME	CONNECTOR	PIN ID	DATA	PORT	SIGNAL NAME	CONNECTO	RPI	ND	DATA	POR	SIGNAL NAM
	A	IN		28VDC_IN	CONNECTOR		DIRECTION	NO				E-1	DRECTIO	NNO	10GBase-T_DA
JI	В	OUT	_	28VDC_RTN		A-1 A-2	-		10GBase-T_DA+ 10GBase-T_DA-			-2	1		10GBase-T_DA
POWER	C			SAFETY GROUND CHASSIS		A-2 A-3	-		10GBase-T_DB+			E-3	1		10GBase-T_DB
15 -4 P	D			NOT CONNECTED		A-4	-		10GBase-T_DB+			E-4	ві	5	10GBase-T_DB
	SHELL			CHASSIS		A-4 A-5	BI	1	10GBase-T_DC+			E-5	81 5	,	10GBase-T_DC
						A-6	-		10GBase-T_DC+			E-6		10GBase-T_DC	
						A-7	-		10GBase-T_DD+			E-7		10GBase-T_DD	
						A-8	-		10GBase-T_DD+			E-8			10GBase-T_DD
						A-OUTER			CHASSIS GND			DUTER			CHASSIS GND
						A-CENTER			CHASSIS GND			ENTER F-1			CHASSIS GND 10GBase-T_DA
						B-1			10GBase-T_DA+			F-2	1		10GBase-T_DA
						B-2	-		10GBase-T_DA-			F-3			10GBase-T_DB
						B-3			10GBase-T_DB+			F-4			10GBase-T_DB
						B-4	-		10GBase-T_DB-			F-5	BI	6	10GBase-T_DC
						B-5	BI	2	10GBase-T_DC+			F-6	1		10GBase-T_DC
						B-6	1		10GBase-T_DC-			-7]		10GBase-T_DD
						B-7	-		10GBase-T_DD+			F-8			10GBase-T_DD
						B-8	-		10GBase-T_DD-	J2		DUTER			CHASSIS GND
						B-OUTER			CHASSIS GND	10GBASE-1		ENTER			CHASSIS GND
					J2	B-CENTER			CHASSIS GND	25-85		6-1			10GBase-T_DA
					10GBASE-T	C-1			10GBase-T_DA+			5-2			10GBase-T_DA
					25-8S	[-2	1		10GBase-T_DA+			5-3 5-4	{		10GBase-T_DE 10GBase-T_DE
						C-3	1		10GBase-T_DB+			3-4 5-5	BI	7	10GBase-T_DC
						C-4	-		10GBase-T_DB-			5-6	1		10GBase=T_DC
						C-5	BI	3	10GBase-T_DC+			5-7	1		10GBase-T_DD
						C-6	1		10GBase-T_DC+			5-8	1		10GBase-T_DD
						C-7			10GBase-T_DD+			DUTER			CHASSIS GND
						C-8			10GBase-T_DD-		G-C	ENTER			CHASSIS GND
						C-OUTER			CHASSIS GND			H-1			10GBase-T_DA
						C-CENTER			CHASSIS GND			1-2			10GBase-T_DA
						D-1			10GBase-T_DA+			H-3			10GBase-T_DB
						D-2	1		10GBase-T_DA-			-4	B	8	10GBase-T_DB
						D-3	1		10GBase-T_DB+			H-5 1-6	-		10GBase-T_DC 10GBase-T_DC
						D-4	· .		10GBase-T_DB-			1-0	1		10GBase-T_DC
						D-5	BI	4	10GBase-T_DC+			1-8	1		10GBase-T_DD
						D (1								
				D-6			10GBase-T_DC-		H-(JUTER			CHASSIS GND		
						D-6 D-7			10GBase-T_DD+			DUTER ENTER			CHASSIS GND CHASSIS GND
						D-7			10GBase-T_DD+						
						D-7 D-8	 		10GBase-T_DD+ 10GBase-T_DD-			ENTER			
						D-7 D-8 D-OUTER			10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND		H-C	ENTER	 /0 CHART		CHASSIS GNE
		I/O CHA	RT			D-7 D-8 D-OUTER	 I/0 Cł		10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND	co		ENTER I PIN ID D	/O CHART	DRT SIG	CHASSIS GNE
	PIN	DATA	PORT	SIGNAL NAME	_	D-7 D-8 D-OUTER	 I/O Cł	 IART	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND		H-C		/O CHART	DRT SIGI 10 1GB 16B	CHASSIS GNE
CONNECTOR	PIN ID			JONAL NAME		D-7 D-8 D-OUTER D-CENTER	 I/O Cł R PIN DATA ID DIRECTIO 45	 IART	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND SIGNAL NAME 10Base-T_DA+		H-C	ENTER PIN 10 91 92 93	/O CHART DATA PO IRECTION I	DRT SIGI NO 168 168 168	CHASSIS GNU AL NAME ase-T_DA- ase-T_DA- ase-T_DB-
CONNECTOR		DATA	PORT	SIGNAL NAME 16Base-T_DA+ 16Base-T_DA-		D-7 D-8 D-OUTER D-CENTER	 I/O Cł R PIN DATA DIRECTIO 45 46	 IART	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND SIGNAL NAME 16Base-T_DA+ 16Base-T_DA+	co	H-C	ENTER I ID 91 92	/O CHART DATA PO IRECTION I	DRT SIGI ND 16B 16B 16B 16B	CHASSIS GNE
CONNECTOR	1 2 6	DATA	PORT	1GBase-T_DA+ 1GBase-T_DA- 1GBase-T_DB+	-	D-7 D-8 D-OUTER D-CENTER	 I/O Cł ID DATA ID DIRECTIO 45 46 47 48 91	IART PORT N NO	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND SIGNAL NAME IGBase-T_OA+ IGBase-T_OA+ IGBase-T_OA- IGBase-T_DB-	C0	H-C	ENTER PIN D 91 92 93 94 104 105	/O CHART DATA PO IRECTION I	DRT SIGI 100 168 168 168 168 168 168	AL NAME ase-T_DA- ase-T_DA- ase-T_DB- ase-T_DC- ase-T_DC- ase-T_DC- ase-T_DC-
ONNECTOR	1 2 6 7	DATA	PORT	1GBase-T_DA+ 1GBase-T_DA- 1GBase-T_DB+ 1GBase-T_DB-		D-7 D-8 D-OUTER D-CENTER	 I/O Cł ID DATA DRECTIC 45 46 47 48 58 81	 IART	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+	60	H-C	ENTER ID 91 92 93 94 104 105 106	/O CHART DATA PO IRECTION I	ORT SIGI VO 16B 16B 16B 16B 16B 16B 16B 16B 16B 16B 16B	CHASSIS GND ALL NAME ase-T_DA+ ase-T_DA- ase-T_DB- ase-T_DC- ase-T_DC- ase-T_DC- ase-T_DC- ase-T_DC-
ONNECTOR	1 2 6 7 13	DATA DIRECTION	Port No	16Base-T_DA+ 16Base-T_DA- 16Base-T_DB+ 16Base-T_DB- 16Base-T_DC+		D-7 D-8 D-OUTER D-CENTER		IART PORT N NO	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DC- 16Base-T_DC+ 16Base-T_DC+	co	H-C	ENTER ID C 91 92 93 94 104 105 106 107 109	/O CHART DATA PO IRECTION I	2007 SIGI 300 168 168 168 168 168 168 168 168 168 168 168 169 168	CHASSIS GND AL NAME ase-T_0A+ ase-T_0A+ ase-T_0A- ase-T_0D- ase-T_0C- ase-T_0C- ase-T_0C- ase-T_0C- ase-T_0C- ase-T_0C- ase-T_0C+
ONNECTOR	1 2 6 7 13 14 15	DATA DIRECTION	Port No	16Base-T_DA+ 16Base-T_DA+ 16Base-T_DA- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DD+	_	D-7 D-8 D-OUTER D-CENTER	I/O Cł PIN DATA DATA DATA S6 45 45 45 45 45 45 45 45 61 BI BI 61	IART PORT N NO	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME SIGNAL NAME SIGNAL NAME (SBase-T_DA+ (SBase-T_DA+ (SBase-T_DB+ (SBase-T_DC+ (SBase-T_DC+ (SBase-T_DC+ (SBase-T_DC- (SBase-T_DD- (SBase-T_DD-)))	co	H-C	ENTER ID C 91 92 93 94 104 105 106 107 109 110	/O CHART DATA PO IRECTION I	DRT SIG 10B 10B	CHASSIS GND AL NAME ase-T0.A. ase-T0.B. ase-T0.B. ase-T0.C. ase-T0.C. ase-T0.D. ase-T0.D. ase-T0.D. ase-T0.D. ase-T0.A.
ONNECTOR	1 2 6 7 13 14 15 16	DATA DIRECTION	Port No	16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD-		D-7 D-8 D-OUTER D-CENTER	I/O Cł R PIN DATA DD CHECTIC 45 45 45 47 48 81 59 60 61 47 50	IART PORT N NO	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME SIGNAL NAME SIGNAL NAME SIGNAL NAME (SBase-T_DA+ (SBase-T_DA+ (SBase-T_DA+ (SBase-T_DB+ (SBase-T_DD- (SBase-T_DD- (SBase-T_DA+ (SBase-T_DB+ (SBase-	CO	H-C	ENTER ID C 91 92 93 94 104 105 106 107 109	 /0 CHART DATA PI RECTION I	 RT SIGI 16B 16B 16B 16B 16B 16B 16B 16B	CHASSIS GND AL NAME ase-T_0A+ ase-T_0A+ ase-T_0A- ase-T_0D- ase-T_0C- ase-T_0C- ase-T_0C- ase-T_0C- ase-T_0C- ase-T_0C- ase-T_0C+
ONNECTOR	1 2 6 7 13 14 15 16 3	DATA DIRECTION	Port No	Stotval Tume 1GBase-T_DA+ 1GBase-T_DA+ 1GBase-T_DB+ 1GBase-T_DB+ 1GBase-T_DC+ 1GBase-T_DC+ 1GBase-T_DC- 1GBase-T_DD- 1GBase-T_DD- 1GBase-T_DA+		D-7 D-8 D-OUTER D-CENTER	I/O Cł R PIN DATA DDRECTIC 45 45 45 45 45 45 45 45 61 61 49 59 50 52 52 52 52 52 52 52 52 52 52 52 52 52	IART N NO 13	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME SIGNAL NAME S		H-C	ENTER PIN C 91 92 93 94 104 105 106 107 109 110 111 112 121	 /0 CHART DATA PI RECTION I	 RT SIGI 100 108 108 108 108 108 108 108	CHASSIS GND AL NAME ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0B- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0B- ase-T_0A- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0A- ase-T_0B- ase-T_0A- ase-T_0B- ase-T_0A- ase-T_0B- ase-T_0B- ase-T_0A- ase-T_0B-
ONNECTOR	1 2 6 7 13 14 15 16 3 4 9	DATA DIRECTION	Port No	16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC- 16Base-T_DD- 16Base-T_DD-		D-7 D-8 D-OUTER D-CENTER	I/O Ch R PIN DATA ID DERCTIC 45 45 45 46 47 45 81 58 60 61 49 50 52 52 52 52 52 52 81	IART PORT N NO	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME 1GBase-T_DA- 1GBase-T_DA- 1GBase-T_DB- 1GBase-T_DC- 1GBase-T_DC- 1GBase-T_DC- 1GBase-T_DA- 1GBASA- 1GBASA- 1GBASA- 1GBASA- 1GBASA- 1GBASA- 1GBASA		H-C	ENTER PIN C 91 92 93 94 104 105 106 107 109 110 111 112 121 122	 /0 CHART DATA PI RECTION I	AT SIGI JO 516B 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 107 108 108 106	CHASSIS GND ALL NAME ase-TOA+ ase-TOA+ ase-TDA- ase-TDA- ase-TDB- ase-TDC- ase-TDC- ase-TDA- ase-T
ONNECTOR	1 1 2 6 7 13 14 15 16 3 4 9 10	DATA DIRECTION	Port No	SIGNAL UVINE 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB- 16Base-T_DB-		D-7 D-8 D-OUTER D-CENTER	I/O Ct R PIN DATA S 6 4 7 4 8 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	IART N NO 13	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME SIGNAL NAME SIGNAL NAME (GBase-T_DA- (GBase-T_DA- (GBase-T_DB- (GBase-T_DC- (GBase-T_DA- (GBase	co	H-C	ENTER PIN D 91 92 93 94 105 106 107 109 110 111 112 121 122 123 124	 /0 CHART DATA PI RECTION I	ART SIGI NO 168 168	CHASSIS GND AL NAME ase-T_OA+ ase-T_OA+ ase-T_OA- ase-T_OB- ase-T_OB- ase-T_OD- ase-T_OD- ase-T_OD- ase-T_OD- ase-T_OD- ase-T_OA+ ase-T_OA+ ase-T_OA+ ase-T_OA+ ase-T_OC- ase-T_OC- ase-T_OC- ase-T_OD- ase-T_OC- ase-T_OD- ase-T_OC- ase-T_OD- ase-T_OC- ase-T_OD- ase-T_OD- ase-T_OC- ase-T_OD-
ONNECTOR	1 1 2 6 7 13 14 15 16 3 4 9 10 17	DATA DIRECTION BI	9 9	GOTAL LYUME 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DB- 16Base-T_DB- 16Base-T_DC+	_	D-7 D-8 D-OUTER D-CENTER	I/O Ct R PIN DATA B DATA C D DATA C D	IART N NO 13	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME SIGNAC NAME SIGNAC T_DA- CBase-T_DA- CBase-T_DA- CBase-T_DB- CBase-T_DC-		H-C	ENTER PIN C 91 92 93 94 104 105 106 107 109 110 111 112 122 123 124 115	 /0 CHART DATA PI RECTION I	 RT SIGI 100 100 100 100 100 100 100 10	CHASSIS GNC AL NAME ase-T_DA- ase-T_DA- ase-T_DB- ase-T_DB- ase-T_DB- ase-T_DC- ase-T_DD- ase-T_DD- ase-T_DB- ase-T_DB- ase-T_DB- ase-T_DB- ase-T_DB- ase-T_DC-
ONNECTOR	1 1 2 6 7 13 14 15 16 3 4 9 10	DATA DIRECTION BI	9 9	SIGNAL UVINE 16Base-T_DA+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DC+ 16Base-T_DA+ 16Base-T_DB+ 16Base-T_DB- 16Base-T_DB-		D-7 D-8 D-OUTER D-CENTER	I/O Ch R PIN DATA HD DATA DATA 45 A A 45 A B 58 B B 50 50 C 50 52 B 52 53 B 54 64 C 64 C S	IART N NO 13	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME 10Base-T_DA- 10Base-T_DA- 10Base-T_DA- 10Base-T_DB- 10Base-T_DC- 10Base-T_DC- 10Base-T_DC- 10Base-T_DD- 10Ba	CO	INNECTOR	ENTER PIN D 91 92 93 94 105 106 107 109 110 111 112 121 122 123 124	 /0 CHART DATA PI RECTION I	 SRT SIGI 100 108 108 108 108 108 108 108 108 108	CHASSIS GND AL NAME ase-T_OA+ ase-T_OA+ ase-T_OA- ase-T_OB- ase-T_OB- ase-T_OD- ase-T_OD- ase-T_OD- ase-T_OD- ase-T_OD- ase-T_OA+ ase-T_OA+ ase-T_OA+ ase-T_OA+ ase-T_OC- ase-T_OC- ase-T_OC- ase-T_OD- ase-T_OC- ase-T_OD- ase-T_OC- ase-T_OD- ase-T_OC- ase-T_OD- ase-T_OD- ase-T_OC- ase-T_OD-
	ID 1 2 6 7 13 14 15 16 3 4 9 10 17 18 19 20	DATA DIRECTION BI	9 9	300742 10488 168835-1_DA- 168836-1_DB- 168836-1_DB- 168836-1_DB- 168836-1_DB- 168836-1_DD- 168836-1_DD- 168836-1_DD- 168836-1_DB- 168838-1_DB- 168838-1_DB- 168838-1_DC- 168836-1_DC- 168836-1_DD- 168836-1_DD-		D-7 D-8 D-OUTER D-CENTER	I/O Ch R PIN DATA HD DATA DATA 45 B B 58 50 B 50 50 B 52 53 B 52 53 B 62 61 64 65 55 55	IART N NO 13	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME 10Base-T_DA- 10Base-T_DA- 10Base-T_DA- 10Base-T_DB- 10Base-T_DD- 10Ba		J3 GBase-T	ENTER PIN 0 91 92 93 94 104 105 105 106 107 110 111 112 122 123 124 115 116 117 118	BI BI	RT SIGI () () () () () () () () () () () () ()	CHASSIS GND AL NAME ase-T_0A- ase-T_0A- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0B- ase-T_0A- as- as-T_0A- as- as-T_0A- as- as-T_0A- as- as-T_0A- as- as-T_0A- as- as- as- as- as- as- as- as
J3 13Base-T	ID 1 2 6 7 13 14 15 16 3 4 9 10 17 18 19 20 23	DATA DIRECTION BI	9 9	StorAL Lown IGBase-T_DA+ 1GBase-T_DB+ 1GBase-T_DC+		D-7 D-8 D-OUTER D-CENTER CONNECTO	I/O Cr R DATA S O	IART N NO 13	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME SIGNAC NAME SIGNAC 10A- CBase-T_DA- CBase-T_DA- CBase-T_DA- CBase-T_DB- CBase-T_DC- C		J3	ENTER PIN C 91 92 93 94 104 105 106 107 109 110 111 112 121 122 123 124 115 116 117	BI BI	RT SIGN 10 10 10 10 10 10 10 10 10 10 10 10 10	CHASSIS GNC AL NAME ase-T_UA- ase-T_DB- ase-T_DB- ase-T_DC- ase-T_DC- ase-T_DC- ase-T_DC- ase-T_DD- ase-T_DC- ase-T_DA- ase-T_DC-
J3	ID 1 2 6 7 13 14 15 16 3 4 9 10 17 18 19 20 23 24 25	DATA DIRECTION BI	9 9	SOFAL TUME TGBase-T_DA+ 1GBase-T_DA+ 1GBase-T_DA+ 1GBase-T_DA+ 1GBase-T_DB+ 1GBase-T_DB+ 1GBase-T_DD+ 1GBase-T_DD+ 1GBase-T_DD+ 1GBase-T_DD+ 1GBase-T_DD+ 1GBase-T_DB+ 1GBase-T_DC+ 1GBase-T_DC+ 1GBase-T_DC+ 1GBase-T_DD+ 1GBase-T_DD+ 1GBase-T_DA+ 1GBase-T_DA+ 1GBase-T_DA+ 1GBase-T_DA+ 1GBase-T_DA+ 1GBase-T_DA+ 1GBase-T_DB+		D-7 D-8 D-OUTER D-CENTER	I/O Cr R DD ATA A 5 45 46 7 49 8 99 60 61 61 50 50 52 81 65 55 55 55 55 57 81	IART N PORT 13	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME SIGNAC NAME SIGNAC NAME SIGNAC 10A CIBase-T_DA CIBase-T_DA CIBase-T_DA CIBase-T_DB- CIBase-T_DB- CIBase-T_DC- CIBASE-T_DC		J3 GBase-T	ENTER PIN 02 91 92 93 94 104 105 106 107 109 101 112 112 122 123 124 115 116 117 117 117 117 112 123 124 116 117 117 117 117 117 117 117	BI BI	 PRT SIG 100 100 100 100 100 100 100 10	CHASSIS GNC AL NAME ase-T_0A+ ase-T_0A+ ase-T_0B+ ase-T_0C+ ase-T_0C+ ase-T_0C+ ase-T_0D+ ase-T_0C+ ase-T_0A+
J3 13Base-T	ID 1 2 6 7 13 14 15 16 3 4 9 10 17 18 19 20 23 24 25 26	BI BI	9 9	SOFAL LOWE 1GBase-T_LDA- 1GBase-T_LDB- 1GBase-T_LDB- 1GBase-T_LDB- 1GBase-T_LDB- 1GBase-T_LDC- 1GBase-T_LDC- 1GBase-T_LDC- 1GBase-T_LDC- 1GBase-T_LDC- 1GBase-T_LDA- 1GBase-T_LDA- 1GBase-T_LDA- 1GBase-T_LDA- 1GBase-T_LDC- 1GBase-T_LDC- 1GBase-T_LDC- 1GBase-T_LDC- 1GBase-T_LDC- 1GBase-T_LDC- 1GBase-T_LDA- 1GBase-T_LDC- 1GBase-T_LDC- 1GBase-T_LDA- 1GBase-T_LDA- 1GBase-T_LDA- 1GBase-T_LDA- 1GBase-T_LDA- 1GBase-T_LDA- 1GBase-T_LDA- 1GBase-T_LA- 1GBase-T_LBA- 1GBase-T_LBA- 1GBase-T_LBA- 1GBase-T_LBA-	_	D-7 D-8 D-OUTER D-CENTER CONNECTO	I/O Ch R DD DATA HD DATC DATA 45 B B 59 60 61 47 445 B 59 50 51 49 50 52 52 33 63 65 55 55 55 55 56 67 81 67	IART N PORT 13	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SKONAL NAME 16Base-T_DA- 16Base-T_DA- 16Base-T_DA- 16Base-T_DB- 16Base-T_DC- 16Base-T_DC- 16Base-T_DC- 16Base-T_DB- 16Base-T_DC- 16Ba		J3 GBase-T	ENTER PIN 10 C 91 92 93 94 105 106 107 107 108 107 109 109 109 109 109 109 109 109	BI BI	Stor 168	CHASSIS GNC AL NAME ase-T_DA- ase-T_DA- ase-T_DB- ase-T_DB- ase-T_DB- ase-T_DC- ase-T_DB- ase-T_B- ase-T_B- ase-T_B- ase-T_B- ase-T_B- ase-T_B- ase-T_B- ase-T_B- ase-T_B-
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J3 16Base-T	ID 1 2 6 7 13 14 15 16 3 4 9 10 17 18 19 20 23 24 25 26 34 35 36 37 28 29 30 31 40	BI BI	9 10	SOFAL TUME TGBase-T_DA+ TGBase-T_DA+ TGBase-T_DA+ TGBase-T_DA+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DD+ TGBase-T_DD+ TGBase-T_DD+ TGBase-T_DD+ TGBase-T_DD+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DD+ TGBase-T_DD+ TGBase-T_DD+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DC+ TGBase-T_DC+ TGBase-T_DC+ TGBase-T_DC+ TGBase-T_DC+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DC+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DC+ TGBase-T_DB+ TGBase-T_DB+ TGBase-T_DC+ <td></td> <td>D-7 D-8 D-OUTER D-CENTER</td> <td> I/O Cr R DD DATA DD DEFECTION 46 45 45 45 46 46 46 46 46 46 46 46 46 46 46 46 46</td> <td>14RT N PORT 13 13 14 15</td> <td>10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME 10Base-T_DA- 10Base-T_DA- 10Base-T_DA- 10Base-T_DB- 10Base-T_DC- 10Base-T_DC- 10Base-T_DC- 10Base-T_DC- 10Base-T_DD- 10Ba</td> <td></td> <td>J3 GBase-T</td> <td>ENTER ENTER PIN ID D 91 93 94 106 106 107 109 107 109 107 107 107 107 107 107 107 107</td> <td></td> <td>PRT SIGI 100 100 100</td> <td>CHASSIS GNC AL NAME ase-T_0A- ase-T_0A- ase-T_0B- ase-T_0C- ase-T_0C- ase-T_0C- ase-T_0C- ase-T_0D- ase-T_0A-</td>		D-7 D-8 D-OUTER D-CENTER	I/O Cr R DD DATA DD DEFECTION 46 45 45 45 46 46 46 46 46 46 46 46 46 46 46 46 46	14RT N PORT 13 13 14 15	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME 10Base-T_DA- 10Base-T_DA- 10Base-T_DA- 10Base-T_DB- 10Base-T_DC- 10Base-T_DC- 10Base-T_DC- 10Base-T_DC- 10Base-T_DD- 10Ba		J3 GBase-T	ENTER ENTER PIN ID D 91 93 94 106 106 107 109 107 109 107 107 107 107 107 107 107 107		PRT SIGI 100 100 100	CHASSIS GNC AL NAME ase-T_0A- ase-T_0A- ase-T_0B- ase-T_0C- ase-T_0C- ase-T_0C- ase-T_0C- ase-T_0D- ase-T_0A-
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J3 16Base-T	ID 1 1 1 2 6 7 13 14 15 16 3 3 4 9 10 17 18 19 20 23 24 25 26 34 35 36 37 37 32 29 30 31 40 41 42	DATA DIRECTION BI BI BI	9 10	StorAct Lowns 1GBase-T_DA+ 1GBase-T_DB+ 1GBase-T_DB+<		D-7 D-8 D-OUTER D-CENTER	I/O Cr R PIN DATA D DATA 65 45 45 45 45 45 45 45 46 45 46 46 45 46 46 47 47 48 81 46 45 46 46 45 46 46 46 46 46 46 46 46 46 46 46 46 46	1ART PORT N PORT 13 13 14 14 15 15 16	10GBase-T_DD+ 10GBase-T_DD- CHASSIS GND CHASSIS GND CHASSIS GND SIGNAL NAME SIGNAL NAME S		J3 GBase-T	ENTER PIN 91 92 93 94 106 107 100 107 100 107 100 107 100 110 11		PRT SIGI 1528 1568 1588 1588 1588 <td>CHASSIS GNC AL NAME ase-T_0A ase-T_0A ase-T_0A ase-T_0B- ase-T_0C ase-T_0C ase-T_0C ase-T_0C ase-T_0A ase</td>	CHASSIS GNC AL NAME ase-T_0A ase-T_0A ase-T_0A ase-T_0B- ase-T_0C ase-T_0C ase-T_0C ase-T_0C ase-T_0A ase

Amphenol MILITARY HIGH SPEED

QUALIFICATION STANDARDS

Parameter	Detail	Requirement	Test Method
	Storage	Sea level to 50,000 ft @ - 57⁰C	MIL-STD-810G Method 500.5 Procedure I
Low Pressure (Altitude)	Operational	Sea level to 40,000 ft @ - 54°C	MIL-STD-810G Method 500.5 Procedure II
	Explosive Decompression	8,000 ft to 23,100 feet in 8ms	MIL-STD-810G Method 500.5 Procedure IV
	Storage, cyclic	+95°C	MIL-STD-810G Method 501.5 Procedure I
High Temperature extremes	Operational, cyclic	+55°C	MIL-STD-810G Method 501.5 Procedure II
CALCENCS	Operational, constant	+71°C for 30 Minutes	MIL-STD-810G Method 501.5 Procedure II
	Storage, cyclic	-57°C	MIL-STD-810G Method 502.5 Procedure I
Low Temperature extremes	Operational, cyclic	-40°C	MIL-STD-810G Method 502.5 Procedure II
extremes	Operational, sea level, constant	-65°C for 120 Minutes	MIL-STD-810G Method 502.5 Procedure II, as per F-16
Temperature	Shock, from constant	-54°C to +71°C at 125°C/Minute	MIL-STD-810G Method 503.5 Procedure I-B
Combined temperature- altitude-humidity	Operational, 10 cycles	-40°C to +71°C, Sea level to 60,000 ft	MIL-STD-810G Method 520.3 Procedure III
Humidity	Operational and Non-Operational, aggravated cycle	95% ± 4% Humidity, +30°C to +60°C, 10 cycles	MIL-STD-810F Method 507.5 Procedure II
Sand and Dust	Operational and Non-Operational, blowing	< 150um dust, 150um to 850um sand	MIL-STD-810G Method 510.5 Procedure I (Dust) Procedure II (Sand)
Rain	Operational, Dripping	7 gal/ft2/hr, 40 mph for 30 minutes	MIL-STD-810G Method 506.5 Procedure III
Fungus	Non-Operational	7-day growth	MIL-STD-810G Method 508.6
Salt Fog	Operational and Non-Operational, exposure	Four 24-hour wet/dry cycles	MIL-STD-810G Method 509.5
Explosive Atmosphere	Operational	At site and 40,000 ft altitudes	MIL-STD-810G Method 511.5 Procedure I
Acceleration, structural	Limit Loads	Performance at ±10.0g applied individually along all 3 axes	MIL-STD-810G Method 513.6 Procedure I

Amphenol MILITARY HIGH SPEED

QUALIFICATION STANDARDS CONT.

	Ultimate Loads	Withstand without structural failure ±15.0g applied individually along all 3 axes	MIL-STD-810F Method 513.6 Procedure II
	Crash Landing	Remain captive, 40g fore, 20g aft and down, 10g up, 18g left and right	MIL-STD-810F Method 513.6 Procedure III
Shock – Functional	Operational	20g, 11ms nominal, 3 blows each direction, each axis (18 total), terminal peak sawtooth	MIL-STD-810G Method 516.6 Procedure I
Shock – Crash Hazard	Non-Operational	40g, 11ms nominal, 2 blows each direction, each axis (12 total)	MIL-STD-810G Method 516.6, Procedure V
Shock – Bench Handling	Non-Operational	4″ drop, 1 drop per edge per face (24 total)	MIL-STD-810G Method 516.6, Procedure VI
	Operational, Performance, Jet aircraft	30 mins, 0.02 g2/Hz to 0.04 g2/Hz, 15 - 2000 Hz, Overall 4.4Grms	MIL-STD-810G Method 514.6, Procedure I, Category 12, Annex D, Fig 514.6D-I
Vibration	Non-Operational, Endurance, Jet aircraft	60 mins, 0.04 g2/Hz to 0.06 g2/Hz, 15 - 2000 Hz, Overall 9.2Grms	MIL-STD-810G Method 514.6, Procedure I, Category 12, Annex D, Fig 514.6D-I
Vibration	Operational, Gunfire Shock	7.5 min sweeps, 5 to 15 g, 66 to 856 Hz	MIL-STD-810G Method 519.6, Procedure III
	Operational, UH-60 Main Rotor speeds and blade numbers	4 hours, 0.001g2/Hz to 0.01g2/Hz, 3 to 500 Hz	MIL-STD-810G Method 514.6, Procedure I, Category 14, Annex A & Annex D, Table 514.6D-III
Acoustic Noise	Operational	30 mins, 140 dB overall, 50 to 10000 Hz	MIL-STD-810G Method 515.6 Procedure I
Conducted	Operational	Power Leads, 30 Hz to 10 kHz	MIL-STD-461G CE101 Par 5.4, CE101-4 Curve #2
Emissions	Operational	Power Leads, 10 kHz to 10MHz	MIL-STD-461G CE102 Par 5.5, Fig CE102-1 Basic Curve
	Operational	Power leads, 30Hz to 150 kHz	MIL-STD-461G CS101 Par 5.7, Fig CS101-1 Curve #2
Conducted Suscentibility	Operational	Bulk cable injection, 10 kHz to 200MHz	MIL-STD-461G CS114 Par 5.12, Fig CS114-1 Curve #5
ousceptibility	Operational	Bulk cable injection, impulse excitation, 30Hz for one minute	MIL-STD-461G CS115 Par 5.13, Fig CS115-1
Conducted Susceptibility	Operational	kHz Bulk cable injection, 10 kHz to 200MHz Bulk cable injection, impulse excitation, 30Hz	Par 5.7, Fig CS101-1 Curve #2 MIL-STD-461G CS114 Par 5.12, Fig CS114-1 Curve #5 MIL-STD-461G CS115



QUALIFICATION STANDARDS CONT.

	Operational	Damped sinusoidal transients, cables and power leads, 10kHz to 100MHz, 5 minutes	MIL-STD-461G CS116 Par 5.14, Fig CS116-1 and CS116-2
Radiated	Operational	Magnetic field, 30Hz to 100kHz	MIL-STD-461G RE101 Par 5.17, Fig RE101-1 and Fig RE101-2
Emissions	Operational	Electric field, 10kHz to 18GHz	MIL-STD-461G RE102 Par 5.18, Fig RE102-3 Fixed wing external and Fixed wing internal < 25m
Radiated	Operational	Magnetic field, 30 Hz to 100 kHz	MIL-STD-461G RS101 Par 5.20 Fig RS101-2 Army
Susceptibility	Operational	Electric field, 2 MHz to 18 GHz	MIL-STD-461G RS103 Par 5.21, Table XI, Aircraft Internal Army
	Operational, normal condition	Load measurements, ask for info	MIL-STD-704F Chg1 MIL-HDBK-704-8 LDC-101
	Operational, normal condition	Steady state limits, 22 Vdc to 29 Vdc	MIL-STD-704F Chg1 MIL-HDBK-704-8 LDC-102 Tests A, B, C
	Operational, normal condition	Voltage distortion spectrum	MIL-STD-704F Chg1 Fig 15 MIL-HDBK-704-8 LDC-103 Tests A thru K
	Operational, normal condition	Total ripple	MIL-STD-704F Chg1 Fig 15 MIL-HDBK-704-8 LDC-104, Table LDC104-II
Power Supply	Operational, normal condition	Normal voltage transients, 18Vdc to 29Vdc	MIL-STD-704F Chg1 Fig 13 MIL-HDBK-704-8 LDC-105 Tests AA thru RR
	Operational, transfer interrupt	Power interrupt, 50ms, 22Vdc to 29Vdc	MIL-STD-704F Chg1 MIL-HDBK-704-8 LDC-201
	Operational, abnormal condition	Steady state limits, 20.0 Vdc and 31.5Vdc, 30 minutes	MIL-STD-704F Chg1 MIL-HDBK-704-8 LDC-301 Tests A and B
	Operational, abnormal condition	Abnormal voltage transients, abnormal condition	MIL-STD-704F Chg1 Fig 14 MIL-HDBK-704-8 LDC-302, Tests AAA thru NNN, 7 to 50V
	Operational, emergency condition	Steady state limits, 18 Vdc to 29 Vdc	MIL-STD-704F Chg1 MIL-HDBK-704-8 LDC-401



QUALIFICATION STANDARDS CONT.

	Operational, starting	Starting voltage transients, 12 Vdc to 29 Vdc	MIL-STD-704F Chg1 MIL-HDBK-704-8 LDC-501, Table LDC501-IV
Power Supply (cont.)	Operational, power failure and automatic recovery	Power failure, from 100ms to 7 seconds	MIL-STD-704F Chg1 MIL-HDBK-704-8 LDC-601 Tests A thru D
	Operational, power failure	Phase reversal protection/ prevention	MIL-STD-704F Chg1 MIL-HDBK-704-8 LDC-602
Chassis Grounding	Operating	Allow for proper electrical bonding through designated external stub and dedicated pins on connectors	SAE-AS-50881H
Electrical Bonding	Operating	Primary Chassis ground connection for electrical bonding provided by designated external stub	MIL-STD-464C, Paragraph 5.11.3
Mounting	For vibration tolerance	4x 10-32 captive screws	



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