



High Performance Cable Assemblies and Adapters

| Introduction | | R-2 |
|---|--|-----|
| Z-Zone™ Socket Assemblies | | |
| Milli-Z TM Socket Assemblies | | |
| Fibre Channel/Gigabit Ethernet Products Inter-Cabinet External Cable Assemblies Intra-Cabinet Internal Cable Assemblies Copper GBIC Adapter and Frame | | R-7 |
| Assorted Products 1.27mm (.050") Pitch LFH TM I/O Assemblies | | R-9 |

*VHDM is a trademark of Teradyne, Inc.



For more information, please see the last page of the catalog for the location nearest you or contact:

molex[®] High Performance Cable Assemblies

HIGH LEVEL SUPPORT FOR HIGH PERFORMANCE CABLE ASSEMBLIES

Developing quality, cost-effective high performance cable assemblies requires innovation and responsiveness, which is why Molex organized our High Performance Cable Assemblies Team.

Our interactive, person-to-person environment enables Molex to provide faster response to customer inquiries, as well as develop standard or custom solutions more cost-effectively. The centralized team structure also keeps sales and marketing personnel involved throughout the design and development process for more customer-focused solutions. We routinely conduct cross-functional, "real-life" analysis of designs prior to implementation, which results in more user-friendly products.

Molex Makes Designing High Performance Cable Assemblies Simple

First we translate your critical design requirements like crosstalk, rise time, skew, impedance, propagation delay, capacitance and attenuation into electrical and mechanical specifications. Then we work with you to determine if one of Molex's standard interconnect products can be used "as is" or modified to meet your specifications.

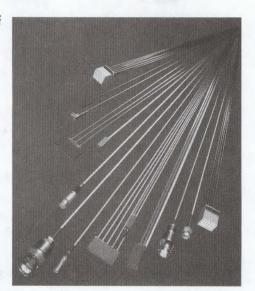
If your application truly demands a custom solution, we can design and produce one cost-effectively. Our design engineers can construct computer models and test them with computer-aided electrical simulation (SPICE) — as if they were actual assemblies. Mechanical reliability and durability are calculated using Finite Element and Boundary Element Analysis. These computer programs also make it easy to create physical models and prototypes for testing purposes using Molex's in-house stereolithography, CNC and EDM systems. Once you approve the final design and prototype, Molex conducts a Process FMEA that eliminates potential failure modes from the proposed tooling design and manufacturing process.

Molex Also Provides Advanced Manufacturing for Your Cable Assemblies

Our production capabilities include computer-controlled laser wire preparation, thermo-resistance welding, ultra sonic welding, induction reflow soldering, hot bar soldering and insert molding. The finished products are subjected to Molex's stringent quality control processes, including digital/analog electrical testing.

Whether you require only selected services or start-to-finish, turnkey assistance, Molex's High Performance Cable Assemblies Team is the right choice. We have the resources and experience to meet your exact requirements and to minimize the time-to-market for your high performance cable assemblies.

Introduction



Standard Length Tolerance

Under 36" + 0.5" 36"-120" \pm 1.0" 2.0" over 120" \pm

For additional pinouts, contact the

FEATURES AND SPECIFICATIONS

Features and Benefits

- Standard mating with .025" square or round pins
- Compatible with single, dual and triple row carrier
- Accommodates micro coaxial, micro twisted pair and micro twin axial cable constructions
- Standard cable impedance from 50 to 150Ω
- Designed for system speeds up to 800 MHz, including matched application requirements for controlled impedance and propagation rate while minimizing crosstalk
- High strength molded terminations and dual beam box contacts resistance welded to the conductors for the ultimate in electrical performance

Electrical

Current: 1.0A per contact cont. Contact Resistance: 10m\Omega max. Dielectric Withstanding Voltage: 500V RMS min. @ 60 Hz Insulation Resistance: 1 x 10°Ω @ 500V DC

Mechanical

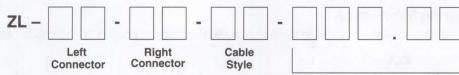
Insertion Force: 10 oz max, per contact Withdrawal Force: 1oz min. per contact Normal Force: 100g min.

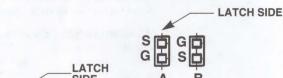
Physical

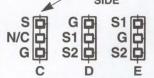
Contact: Phosphor Bronze Dielectric Material: Glass-filled liquid crystal polymer, UL 94V-0 Contact: 30µ" min. Gold plate in select area over 50µ" min. Nickel plate overall Mating Pin Lengths: .180" min.; .340" max. Operating Temperature: -40 to +105°C

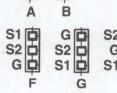
Ordering Information

Part Number specification -Fill in the part number from the information on the charts below









PINOUTS

S2 0 S1 0 G

Molex High Performance Cable Assembly Group

| | Connector | | |
|-----------|----------------------------|--------|--|
| Order No. | Description | Pinout | |
| 00 | No Termination | | |
| 01 | .100 by 100", 1 by 2 axial | A | |
| 02 | .100 by 100", 1 by 2 axial | В | |
| 03 | .100 by 100", 1 by 3 axial | (| |
| 04 | .100 by 100", 1 by 3 axial | D | |
| 05 | .100 by 100", 1 by 3 axial | E | |
| 06 | .100 by 100", 1 by 3 axial | F | |
| 07 | .100 by 100", 1 by 3 axial | G | |
| 08 | .100 by 100", 1 by 3 axial | Н | |
| 09 | .100 by 100", 1 by 3 axial | | |
| XX | Special Application | | |

| | Cable Style | | | | |
|-----------|---------------------|--------------------------------|--|--|--|
| Order No. | Description | Characteristic Impedance ± 10% | Material | | |
| 02 | Coaxial | 50Ω | Conductor: Silver plated Copper | | |
| 04 | Coaxial | 75Ω | Conductor: Silver plated Copper Dielectric Insulator: Expanded PTFE Shield: Aluminum/Mylar | | |
| 05 | Twin-Axial | 100Ω | | | |
| 06 | Twisted Pair | 100Ω | Jacket: FEP | | |
| 01 | Coaxial | 50Ω | Conductor: Silver plated Copper Dielectric Insulator: Expanded PTI | | |
| 03 | Coaxial | 75Ω | Dielectric Insulator: Expanded PT Shield: Braided Jacket: FEP | | |
| XX | Special Application | | | | |

 Dual row end stackable carriers are available from 4 to 64 positions

 Triple row end stackable carriers are available from 6 to 96 positions and DIN carriers are available in 48 and 96 positions

 Polarized latching feature connects the Z-Zone assemblies to the Z-Zone carrier

 See the Z-Zone data sheet for further information on impedance matched cable assemblies **Electrical**

Current: 1.0A per contact cont.
Contact Resistance: $10m\Omega$ max.
Dielectric Withstanding Voltage: 500V RMS min. @ 60 Hz Insulation Resistance: $1 \times 10^9\Omega$ @ 500V DC

Mechanical

Insertion Force: 10 oz max. per contact Withdrawal Force: 1 oz min. per contact Normal Force: 100g min.

Physical

Contact: Phosphor Bronze
Dielectric Material: Glass-filled liquid crystal
polymer, UL 94V-0
Contact: 30µ" min. Gold plate in select area
over 50µ" min. Nickel plate overall
Mating Pin Lengths: .180" min.; .340" max.
Operating Temperature: -40 to +105°C

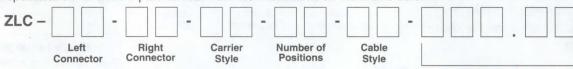
ex° 2.54mm (.100) Pitch Z-Zone™ Electrically Characterized Carrier Systems

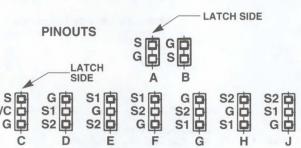
1, 2 and 3 Row Ganged
Carrier for Z-Zone
Assemblies



Ordering Information

Part Number specification - Fill in the part number from the information on the charts below





Assembly Length in inches (From mating face to mating face)

Standard Length Tolerance

| Under 36" | ± | 0.5" |
|-----------|---|------|
| 36"-120" | ± | 1.0" |
| over 120" | ± | 2.0" |

For additional pinouts, contact the Molex High Performance Cable Assembly Group

| CONNECTOR | | |
|-----------|------------------------------|--------|
| Order No. | Description | Pinout |
| 00 | No Termination | |
| 01 | .100" by .100", 1 by 2 axial | A |
| 02 | .100" by .100", 1 by 2 axial | В |
| 03 | .100" by .100", 1 by 3 axial | (|
| 04 | .100" by .100", 1 by 3 axial | D |
| 05 | .100" by .100", 1 by 3 axial | E |
| 06 | .100" by .100", 1 by 3 axial | F |
| 07 | .100" by .100", 1 by 3 axial | G |
| 08 | .100" by .100", 1 by 3 axial | Н |
| 09 | .100" by .100", 1 by 3 axial | J |
| XX | Special Application | |

| CABLE STYLE | | | | |
|-------------|---------------------|--------------------------------|---|--|
| Order No. | Description | Characteristic Impedance ± 10% | Material | |
| 02 | Coaxial | 50Ω | Conductor: Silver plated Copper Dielectric Insulator: Expanded PTFE Shield: Aluminum/Mylar Jacket: FEP | |
| 04 | Coaxial | 75Ω | | |
| 05 | Twin-Axial | 100Ω | | |
| 06 | Twisted Pair | 100Ω | | |
| 01 | Coaxial | 50Ω | Conductor: Silver plated Copper Dielectric Insulator: Expanded PTFE Shield: Braided Jacket: FEP | |
| 03 | Coaxial | 75Ω | | |
| XX | Special Application | | | |

| CARRIER STYLE | | |
|---------------|---|--|
| Order No. | Description | |
| 01 | Single Row—1 by 2 | |
| 02 | Single Row—1 by 3 | |
| 03 | Dual Row—latch and eject with center key | |
| 04 | Dual Row—end stackable with center key | |
| 05 | Dual Row—end stackable without center key | |
| 06 | Triple Row—end stackable with center key | |
| 07 | Triple Row—end stackable without center key | |

| | CARRIER STYLE |
|-----------|---|
| Order No. | Description |
| 08 | Triple Row—DIN (available in 96 position only) |
| 09 | Triple Row—DIN with jack screw ears (available in 48 position only) |
| XX | Special Applications |

[•] If carriers are not fully populated or harnessing is required, please contact Molex.

FEATURES AND SPECIFICATIONS

Features and Benefits

- 2, 3, 4 and 5 position socket connectors
- Compatible with 1, 4, 5 and 6 row carrier systems for industry standard backplane headers. Also mates with single and dual row PCB headers
- Accommodates micro coaxial, micro twisted pair and micro twin axial cable constructions
- Standard cable impedance from 50 to 150Ω
- Designed for system speeds up to 800 MHz, including matched application requirements for controlled impedance and propagation rate while minimizing crosstalk
- High strength molded terminations and dual beam box contacts resistance welded to the conductors for the ultimate in electrical performance

Electrical

Current: 1.0A per contact cont.

Contact Resistance: $10m\Omega$ max.

Dielectric Withstanding Voltage: 500V RMS min.

Insulation Resistance: $1 \times 10^9 \Omega$ @ 500V DC

Mechanical

Insertion Force: 10 oz max. per contact Withdrawal Force: 1 oz min. per contact Normal Force: 100g min.

Physical

Contact: Phosphor Bronze
Dielectric Material: Glass filled liquid crystal
polymer, UL 94V-0
Contact: 30µ" min. Gold plate in select area

over 50μ " min. Nickel plate overall Mating Pin Lengths: .100" min.; .180" max. Operating Temperature: -40 to +105°C

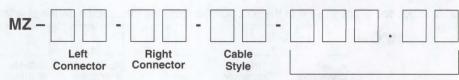
2.00mm (.079") Pitch
Milli-Z™
Electrically Characterized
Cable Assemblies

2, 3, 4 and 5 Position Socket Assemblies



Ordering Information

Part Number specification -Fill in the part number from the information on the charts below



PINOUTS SSGSS GOOG 0000 0000 GS S2 G G S1 D S2 G G S1 D LATCH SIDE S1 D S1 G G S2 D S1 D S2 D S2 D N/C D S2 D SG S

Assembly Length in inches (From mating face to mating face)

Standard Length Tolerance

| Under 36" | ± | 0.5" |
|-----------|---|------|
| 36"-120" | ± | 1.0" |
| over 120" | ± | 2.0" |

For additional pinouts, contact the Molex High Performance Cable Assembly Group

| | Connector | |
|-----------|--------------------------------|--------|
| Order No. | Description | Pinout |
| 00 | No Termination | |
| 21 | 2.00mm by 2.00mm, 1 by 2 axial | A |
| 22 | 2.00mm by 2.00mm, 1 by 2 axial | В |
| 23 | 2.00mm by 2.00mm, 1 by 3 axial | C |
| 24 | 2.00mm by 2.00mm, 1 by 3 axial | D |
| 25 | 2.00mm by 2.00mm, 1 by 3 axial | E |
| 26 | 2.00mm by 2.00mm, 1 by 3 axial | F |
| 27 | 2.00mm by 2.00mm, 1 by 3 axial | G |
| 28 | 2.00mm by 2.00mm, 1 by 3 axial | Н |
| 29 | 2.00mm by 2.00mm, 1 by 3 axial | J |
| 30 | 2.00mm by 2.00mm, 1 by 4 axial | K |
| 31 | 2.00mm by 2.00mm, 1 by 4 axial | L |
| 32 | 2.00mm by 2.00mm, 1 by 4 axial | M |
| 33 | 2.00mm by 2.00mm, 1 by 5 axial | N |
| XX | Special Application | |

| Order No. | Description | Characteristic Impedance ± 10% | Material | | |
|-----------|---------------------------------|--------------------------------|---|--|--|
| 08 | Coaxial | 50Ω | The second of R | | |
| 10 | Coaxial | 75Ω | Conductor: Silver plated Conner | | |
| 11 | Twin-Axial | 100Ω | Conductor: Silver plated Copper Dielectric Insulator: Expanded PTF Shield: Aluminum/Mylar | | |
| 12 | Twisted Pair | 100Ω | | | |
| 13 | Twin-Axial (with dual drain) | 100Ω | Jacket: FEP | | |
| 07 | Coaxial | 50Ω | Conductor: Silver plated Copper Dielectric Insulator: Expanded PTI | | |
| 09 | Coaxial | 75Ω | Dielectric Insulator: Expanded PT Shield: Braided Jacket: FEP | | |
| XX | Special Application | | | | |

FEATURES AND SPECIFICATIONS

Features and Benefits

- Milli-Z carriers are designed to combine Molex 2 to 5 position Milli-Z socket connectors
- Single row end and side stackable carriers are available from 4 to 48 positions (1 x 2) and 6 to 48 positions (1 x 3)
- 4 row end and side stackable carriers are available from 8 to 96 positions
- 4 row end stackable Futurebus carriers are available in 24 positions, 5 row are available in 24 and 30 positions
- 6 row end stackable HDM compatible carriers are available in 48 and 72 positions

Electrical

Current: 1.0A per contact cont. Contact Resistance: $10m\Omega$ max. Dielectric Withstanding Voltage: 500V RMS min. @ 60 Hz Insulation Resistance: 1 x 10°Ω @ 500V DC

Mechanical

Insertion Force: 10 oz max. per contact Withdrawal Force: 1oz min. per contact Normal Force: 100g min.

Physical

Contact: Phosphor Bronze Dielectric Material: Glass-filled liquid crystal polymer, UL 94V-0 Contact: 30µ" min. Gold plate in select area over 50µ" min. Nickel plate overall Mating Pin Lengths: .100" min.; .180" max. Operating Temperature: -40 to +105°C

2.00mm (.079) Pitch Milli-Z™ **Electrically Characterized Carrier Systems and Backplane Shroud**

1, 4, 5 and 6 Row Ganged Carriers for HDM*, Futurebus,™ Metral™ and **Z-Pac™** Connectors



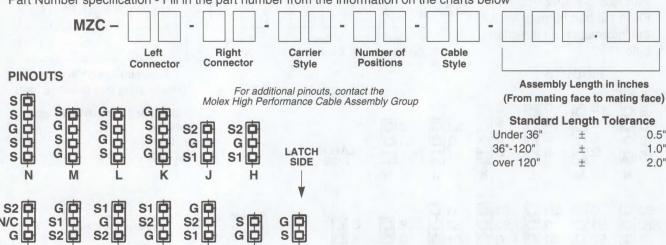
0.5"

1.0"

2.0"

Ordering Information

Part Number specification - Fill in the part number from the information on the charts below



| CONNECTOR | | | |
|-----------|------------------------------|--------|--|
| Order No. | Description | Pinout | |
| 00 | No Termination | | |
| 21 | 2.0mm by 2.0mm, 1 by 2 axial | A | |
| 22 | 2.0mm by 2.0mm, 1 by 2 axial | В | |
| 23 | 2.0mm by 2.0mm, 1 by 3 axial | (| |
| 24 | 2.0mm by 2.0mm, 1 by 3 axial | D | |
| 25 | 2.0mm by 2.0mm, 1 by 3 axial | E | |
| 26 | 2.0mm by 2.0mm, 1 by 3 axial | F | |
| 27 | 2.0mm by 2.0mm, 1 by 3 axial | G | |
| 28 | 2.0mm by 2.0mm, 1 by 3 axial | Н | |
| 29 | 2.0mm by 2.0mm, 1 by 3 axial | J | |
| 30 | 2.0mm by 2.0mm, 1 by 4 axial | K | |
| 31 | 2.0mm by 2.0mm, 1 by 4 axial | L | |
| 32 | 2.0mm by 2.0mm, 1 by 4 axial | М | |
| 33 | 2.0mm by 2.0mm, 1 by 5 axial | N | |
| XX | Special Application | | |

^{*}HDM is a trademark of Teradyne, Inc.

| | | CABLE STYLE | |
|-----------|------------------------------|--------------------------------|--|
| Order No. | Description | Characteristic Impedance ± 10% | Material |
| 08 | Coaxial | 50Ω | HI V |
| 10 | Coaxial | 75Ω | Conductor: Silver plated Copper Dielectric Insulator: Expanded PTFE |
| 11 | Twin-Axial | 100Ω | Dielectric Insulator: Expanded PTFE Shield: Aluminum/Mylar |
| 12 | Twisted Pair | 100Ω | Jacket: FEP |
| 13 | Twin-Axial (with dual drain) | 100Ω | |
| 07 | Coaxial | 50Ω | Conductor: Silver plated Copper Dielectric Insulator: Expanded PTFE |
| 09 | Coaxial | 75Ω | Dielectric Insulator: Expanded PTFE - Shield: Braided |
| XX | Special Application | The state of the state of the | Jacket: FEP |

| | CARRIER STYLE |
|-----------|--|
| Order No. | Description |
| 01 | Single Row—1 x 2 |
| 02 | Single Row—1 x 3 |
| 03 | Four Row—End & Side Stackable 1 x 2 |
| 04 | Four Row—End & Side Stackable 1 x 4 |
| 05 | Four Row—4 x 6 with latch for 5mm pins |
| 06 | Four Row—4 x 6 with latch for 7mm pins |
| 07 | Five Row—4 x 6 with latch for 5mm pins |

| | CARRIER STYLE |
|-----------|--|
| Order No. | Description |
| 08 | Five Row—4 x 6 with latch for 7mm pins |
| 09 | Five Row—5 x 6 with latch for 5mm pins |
| 10 | Five Row—5 x 6 with latch for 7mm pins |
| 11 | Six Row End and Side Stackable 1 x 3 |
| 12 | Six Row with latch for 5mm pins |
| XX | Special Applications |



EXTERNAL CABLE ASSEMBLY

- Designed for data rates of 133 Mbps up to 2.125 Gbps
- Standard cable impedance of 150Ω featuring Z-Skew Shielded simplex and quad cable constructions
- Assembly lengths up to 35m exceeding the Fibre Channel eye pattern requirement
- Available up to 20m without equalization and up to 35m with equalization
- External DB9 jackscrew style terminations feature overmolding for excellent strain relief and durability

| 360° termination of the external shield to the DB9 |
|--|
| backshell for excellent EMI control |

DB9 loopback adapter plug and receptacle also available

Fibre Channel/
Gigabit Ethernet
Inter-Cabinet
Electrically Characterized
Cable Assemblies

External Cable Assemblies

| DB9 PLUG TO PLUG | | |
|------------------|------------|--------|
| Order No. | Wire Gague | Length |
| 73884-0012 | 30 AWG | 1.5m |
| 73884-0011 | 30 AWG | 0.6m |
| 73884-0009 | 30 AWG | 12" |
| 73884-0008 | 30 AWG | 0.5m |
| 73884-0002 | 30 AWG | 1.0m |
| 73884-0005 | 30 AWG | 2.0m |
| 73884-0006 | 30 AWG | 3.0m |
| 73884-0007 | 30 AWG | 3.5m |
| 73884-0003 | 30 AWG | 5.0m |
| 73884-0004 | 28 AWG | 10.0m |
| 73884-0001 | 22 AWG | 20.0m |

| D | B9 PLUG TO RECEPTACL | E |
|------------|-----------------------------|--------|
| Order No. | Wire Gague | Length |
| 73899-0001 | 30 AWG | 18" |
| 73899-0002 | 30 AWG | 2.0m |
| 73899-0003 | 30 AWG | 3.0m |

| EQUALIZED DB9 PLUG TO PLUG | | |
|----------------------------|------------|--------|
| Order No. | Wire Gague | Length |
| 73885-0001 | 22 AWG | 30.0m |
| 73885-0002 | 22 AWG | 33.0m |

| DB9 PLUG TO RECEPTACLE WITH POWER AND ID LINES | |
|--|--------|
| Order No. | Length |
| 73070-1002 | 18" |
| 73070-1001 | 10.25" |

| DB9 PLUG TO PLUG AND RECEPTACLE | | |
|---------------------------------|------------|--------|
| Order No. | Wire Gague | Length |
| 73068-0004 | 30 AWG | 0.5m |
| 73068-0003 | 30 AWG | 0.2m |
| 73068-0002 | 30 AWG | 1.0m |
| 73068-0001 | 30 AWG | 2.0m |

INTERNAL CABLE ASSEMBLY

- Designed for data rates of 133 Mbps up to 2.125 Gbps
- Standard cable impedance of 150Ω featuring Z-Skew Shielded simplex and duplex cable constructions
- Assembly lengths up to 35m exceeding the Fibre Channel eye pattern requirement
- Available up to 20m without equalization and up to 35m with equalization
- External DB9 jackscrew style terminations feature overmolding for excellent strain relief and durability
- 360° termination of the external shield to the DB9 backshell for excellent EMI control

| Fibre | Channel/ | |
|-------|-------------|--|
| Gigab | it Ethernet | |
| - | Cabinet | |

Internal Cable Assemblies

Electrically Characterized

Cable Assemblies

| DB9 PLUG TO DUAL 1 by 3 | | | |
|-------------------------|------------|--------|--|
| Order No. | Wire Gauge | Length | |
| 73041-0001 | 30 AWG | 0.5m | |
| 73041-0002 | 30 AWG | 1.0m | |
| 73041-0003 | 30 AWG | 5.0m | |
| 73041-0004 | 28 AWG | 10.0m | |
| 73041-0005 | 30 AWG | 2.0m | |

| DB9 RECEPTACLE TO DUAL 1 by 3 | | |
|-------------------------------|------------|--------|
| Order No. | Wire Gauge | Length |
| 73043-0001 | 30 AWG | 24" |
| 73043-0002 | 30 AWG | 12" |
| 73043-0003 | 30 AWG | 18" |
| 73043-0004 | 30 AWG | 1.0m |

| 1 by 3 TO 1 by 3 | | |
|------------------|------------|--------|
| Order No. | Wire Gauge | Length |
| 73046-0001 | 30 AWG | 12" |
| 73046-0002 | 30 AWG | 18" |
| 73046-0003 | 30 AWG | 24" |
| 73046-0004 | 30 AWG | 1.0m |
| 73046-0005 | 30 AWG | 5.0m |
| 73046-0006 | 28 AWG | 10.0m |
| 73046-0007 | 30 AWG | 5" |
| 73046-0008 | 30 AWG | 36" |
| 73046-0009 | 30 AWG | 0.5m |
| 73046-0010 | 30 AWG | 8" |
| 73046-0011 | 30 AWG | 2.0m |
| 73046-0012 | 30 AWG | 3.0m |

| 1 by 4 TO 1 by 4 | | | |
|------------------|------------|--------|--|
| Order No. | Wire Gauge | Length | |
| 73082-0001 | 30 AWG | 18" | |



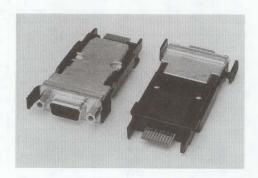


- Die cast clamshell provides full EMI shielding
- Plastic tray utilizes semi-conductive material for static dissipation
- Mates with Molex GBIC guide rail/frame
- Staggered latch ears for closer spacing
- Meets all requirements for the Fibre Channel GBIC and Gigabit Ethernet standards
- EEPROM chip available for system communication

| Copper GBIC Adaptor and Frame | | | |
|-------------------------------|------------|--|--|
| GBIC Adapter | GBIC Frame | | |
| 73086-0001 | 73847-0001 | | |

Fibre Channel/
Gigabit Ethernet
Copper GBIC
Adaptor and Frame

Gigabit Interface Connector

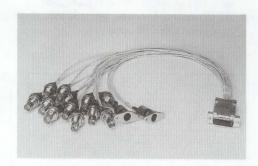


HIGH PERFORMANCE CABLE ASSEMBLIES

- Unique Low Force Helix terminal allows for high speed, high density cabling applications
- Wire is terminated to terminal sticks by direct weld, solder or paddle card
- Termination of cable sizes ranging from 26 to 36 AWG
- Full EMI shielding provided by metal backshell
- Circuit sizes available from 60 to 240 positions
- System performance exceeding 1GHz, for standard cable impedances from 50 to 150Ω

Contact High Performance Cable Group for custom order numbers

1.27mm (.050") Pitch LFH™ Electrically Characterized I/O Assemblies





CIRCULAR RF ASSEMBLIES

- BNCs are available in cable end plug, cable end jack, front and rear panel mount jack and twin BNC connections; SMA, SMB, Nanohex, SSMB and other RF style connectors are also available
- Standard component and cable impedances of 50, 75 and 100Ω
- Terminated to microwave and subminiature coaxial and twin-axial cable
- Accommodates system speeds up to 4 GHz
- High strength molded terminations for reliability in critical applications
- Mates with Z-ZoneTM, Milli-ZTM and LFH terminations

Circular RF Assemblies Electrically Characterized

Use with Microwave and Subminiature Coaxial and Twin-Axial Cable

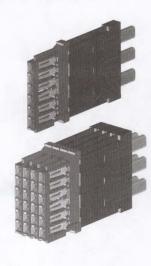


HIGH PERFORMANCE CABLE ASSEMBLIES

- Six and eight position socket connectors with multi-wafer configurations also available
- Mates with industry standard VHDM backplane systems
- Ground plane design allows for 100 real signals per inch
- Accommodates micro coaxial, micro twisted pair and micro twin axial cable constructions
- Standard cable impedances from 50 to 150Ω
- Designed for system speeds up to 3-4 Gbs, including matched application requirements for controlled impedance and propagation rate while minimizing crosstalk
- Keying and latching features
- Internal and External (EMI controlled)

2.00 by 2.25mm (.079 by .089") Pitch VHDM* Compatible Electrically Characterized

High Performance Cable Assemblies



^{*}VHDM is a trademark of Teradyne, Inc.

