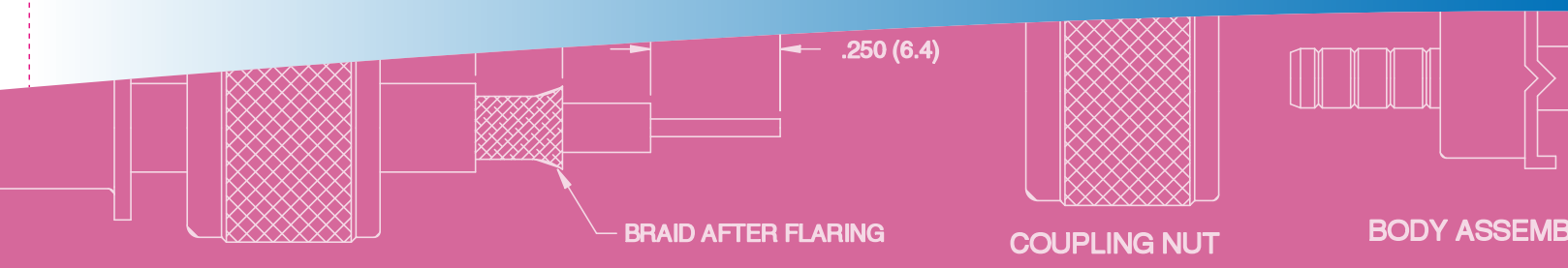


# Amphenol



## Amphenol Preferred Parts Catalogue





## Amphenol Corporation

Amphenol was founded in 1932. Today the company is one of the largest manufacturers of interconnect products in the world serving towards 8 major markets: Aerospace/Military, Automotive, Broadband Communications, Industrial, Medical, Mobile Networks, Mobile Devices and Information Technology & Data Communication.

The company designs, manufactures and markets electrical, electronic and fiber optic connectors, interconnect systems like cable assemblies and coaxial and special cable. Amphenol is headquartered in Connecticut, USA and employs more than 33.000 people world wide. Amphenol is a truly global company with more than 55% of its workforce in the so called low labor countries. The company serves all continents with over 85 operations.

In Europe Amphenol supports the InfoCom product portfolio from Houten, the Netherlands. An experienced staff of engineers, marketeers and sales people support the dynamic market for Wireless Communication, Computer- and Internet Technology, Industrial- and Medical market with RF products, I/O connectors, switches and cable assemblies, Commercial connectors and cable assemblies for medium and high speed applications, High Speed Ribbon Cables, Standard Ribbon Cables and a wide range of Fiber Optic products.

Amphenol InfoCom is a strong technology driven partner in an environment which constantly demands first class products at the lowest possible prices and delivered on time.

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## MARKETS WE SERVE

### Mobile Networks

Amphenol is a leading global interconnect solutions provider to the wireless infrastructure market, including applications such as cellular base stations, radio links, mobile switches, wireless routers, wireless local loop and cellsite antenna systems, combiners, transceivers, filters and amplifiers. Amphenol offers a wide product portfolio for every wireless standard and generation radio technology, including 2.5G, 3G, Wimax, and future IP solutions. The product range includes RF, low-frequency, power and fiber-optic connectors and cable assemblies, antennas, backplane interconnect systems, and power distribution systems.

### Mobile Devices

Amphenol provides a broad range of components with presence on more than 50% of the world's annual mobile phone production. Amphenol manufactures essentially all of the interconnect devices found in mobile phones, PDA's and other mobile devices. The broad product offering includes antennas, RF switches/plugs, navigation keys/side keys, microphone/speaker/vibra connectors, LCD connectors, board-to-board connectors, SIM/MMC/SD sockets, battery connectors, I/O system connectors, charger (plug and socket) connectors, and electromechanical hinges. Our capability for high-volume production of these technically demanding, miniturized products, combined with our speed of new product introduction, is a critical factor for our success in this market.

### Information Technology and Data Communication

Amphenol is a global provider of interconnect solutions to designers and manufacturers of Internet-enabling systems. Amphenol's range of offerings in electrical and optical cable, cable assembly, connector products, and backplane interconnect systems span applications in PC's, servers, storage systems, optical and copper networking equipment, modems, hubs, routers, switches, media display systems, and Internet appliances. With our design creativity and cost-effectiveness, Amphenol leads the way in interconnect development for Internet equipment, infrastructure, enterprise networks, and appliances. Whether industry standard or application-specific designs are required, Amphenol provides customers with products that enable performance at the leading edge of next-generation high-speed technology.

### Automotive

Amphenol is a leading supplier of interconnect systems for automotive safety devices. As the inventor of airbag and seatbelt pretensioner interconnect systems, Amphenol has defined the standards in this industry and continues its innovative leadership. In addition, Amphenol provides innovative connectors for car entertainment, communication, telematic modules, and interconnect solutions by using the FAKRA standard for audio, cellular phone and navigation systems. For selected applications such as engine control, sensors, and actuators, as well as auxiliary motors, Amphenol provides wiring components, custom specific over molded devices, and harness assemblies. Amphenol Automotive's core competences include application specific automotive interconnect solutions requiring a high degree of engineering and system integration.



## Broadband Communications

Amphenol is a world leader in broadband cable television communication products with industry-leading engineering, design, and manufacturing expertise. Amphenol offers a broad range of coaxial cable products to service the growing broadband market, from customer premises cables and interconnect devices to distribution cable and fiber optic components. Amphenol is also a world leader in coaxial connectors, and has products deployed on a wide range of broadband equipment from sophisticated head-end equipment to digital set-top boxes, high-speed cable modems, and DBS interface devices. Amphenol leads the way in broadband communications.



## Industrial

Amphenol is a technology leader in the design, manufacture, and supply of high performance interconnect systems for a broad range of industrial applications, including medical equipment, factory automation, heavy equipment, instrumentation, motion control, rail mass transportation, and natural resource exploration. Amphenol's core competencies include application specific industrial interconnect solutions utilizing integrated assemblies with flexible printed circuits as well as high-power interconnects requiring a high degree of engineering and system integration. Our innovative solutions facilitate the increasing demands of embedded computing and power distribution.



## Military & Aerospace

Amphenol is the world leader in the design, manufacture, and supply of high performance interconnect systems for military and commercial aerospace harsh environment applications. Amphenol provides an unparalleled product breadth, from military spec connectors to customized high-speed board level interconnects; from flexible to rigid printed circuit boards; from backplane systems to completely integrated assemblies. Key markets supported are avionics, radar, communications, ordnance, missiles, engines, ground vehicles and tanks, space, and all levels of aviation. Amphenol is a technology innovator that designs to meet customers needs from program inception.



## Medical

From critical components to complete electronic packages, Amphenol delivers custom and standard medical interconnect solutions. Combining unmatched product breadth, engineering expertise, and global manufacturing, Amphenol provides interconnect solutions where, when, and how its customers need them. In applications ranging from patient monitoring and imaging to therapy delivery, Amphenol Medical Solutions empower leading edge medical devices. Amphenol Medical Solutions is the transformative power of connectivity.



## D-SUBMINIATURES



## PLUG SOLDER CUP



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

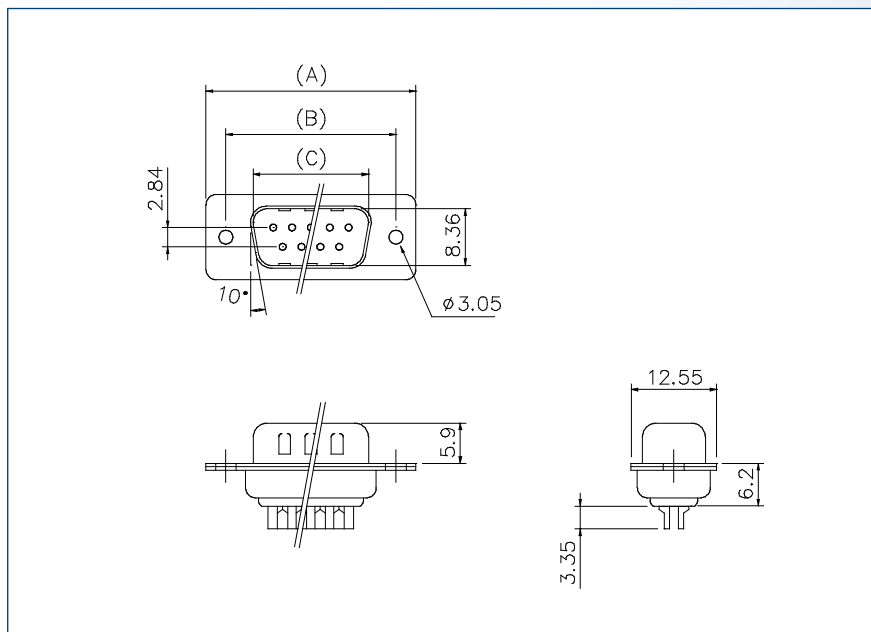
Contact: Brass

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,92 |
| 15             | 39,10 | 33,32 | 25,25 |
| 25             | 53,09 | 47,04 | 38,96 |
| 37             | 69,40 | 63,50 | 55,42 |



### Part Numbers :

| Nb of Contacts | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | L717SDE09P                            | L777SDE09P                              | L717SDE09PC309                          |
| 15             | L717SDA15P                            | L777SDA15P                              | L717SDA15PC309                          |
| 25             | L717SDB25P                            | L777SDB25P                              | L717SDB25PC309                          |
| 37             | L717SDC37P                            | L777SDC37P                              | L717SDC37PC309                          |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE SOLDER CUP



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

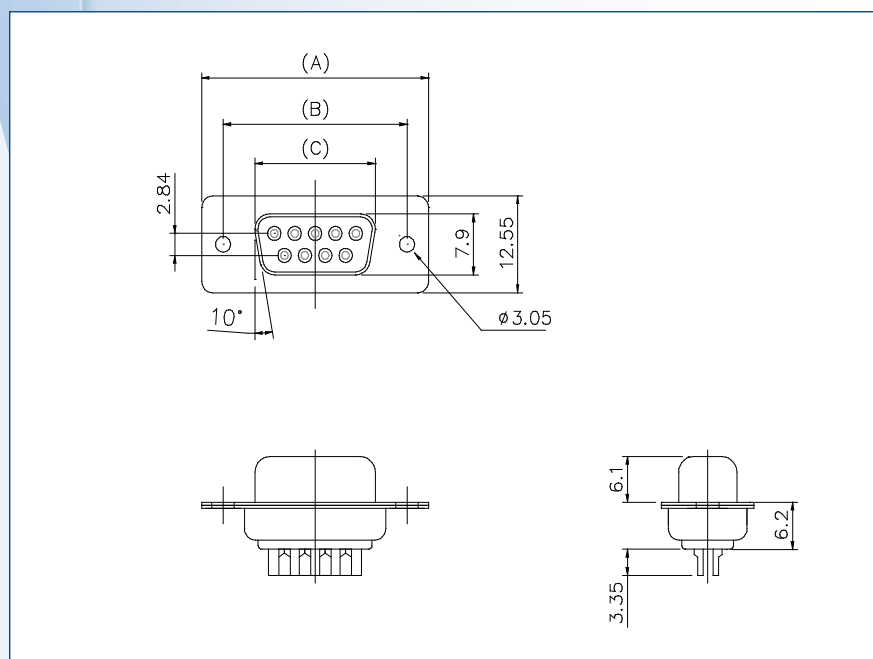
Contact: Bronze

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,33 |
| 15             | 39,10 | 33,32 | 24,66 |
| 25             | 53,09 | 47,04 | 38,38 |
| 37             | 69,40 | 63,50 | 54,84 |



### Part Numbers:

| Nb of Contacts | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | L77SDE09S                             | L177SDE09S                              | L77SDE09SC309                           |
| 15             | L77SDA15S                             | L177SDA15S                              | L77SDA15SC309                           |
| 25             | L77SDB25S                             | L177SDB25S                              | L77SDB25SC309                           |
| 37             | L77SDC37S                             | L177SDC37S                              | L77SDC37SC309                           |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG CRIMP



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

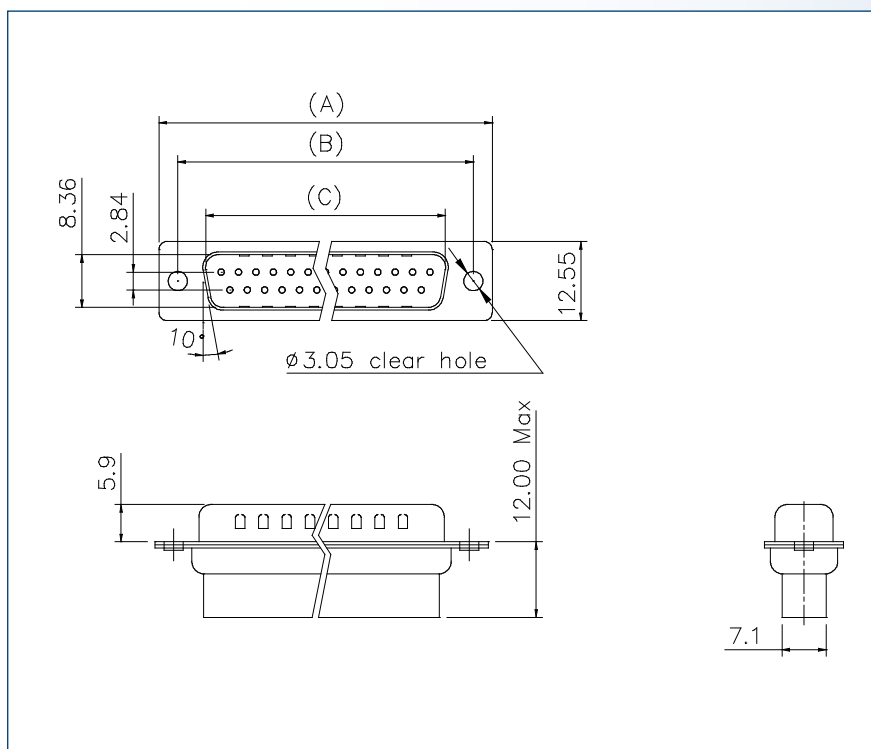
### Materials:

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,92 |
| 15             | 39,10 | 33,32 | 25,25 |
| 25             | 53,09 | 47,04 | 38,96 |
| 37             | 69,40 | 63,50 | 55,42 |



### Part Numbers:

| Nb of Contacts | Part Number |
|----------------|-------------|
| 9              | L777RRE09P  |
| 15             | L777RRA15P  |
| 25             | L777RRB25P  |
| 37             | L777RRC37P  |

## RECEPTACLE CRIMP



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

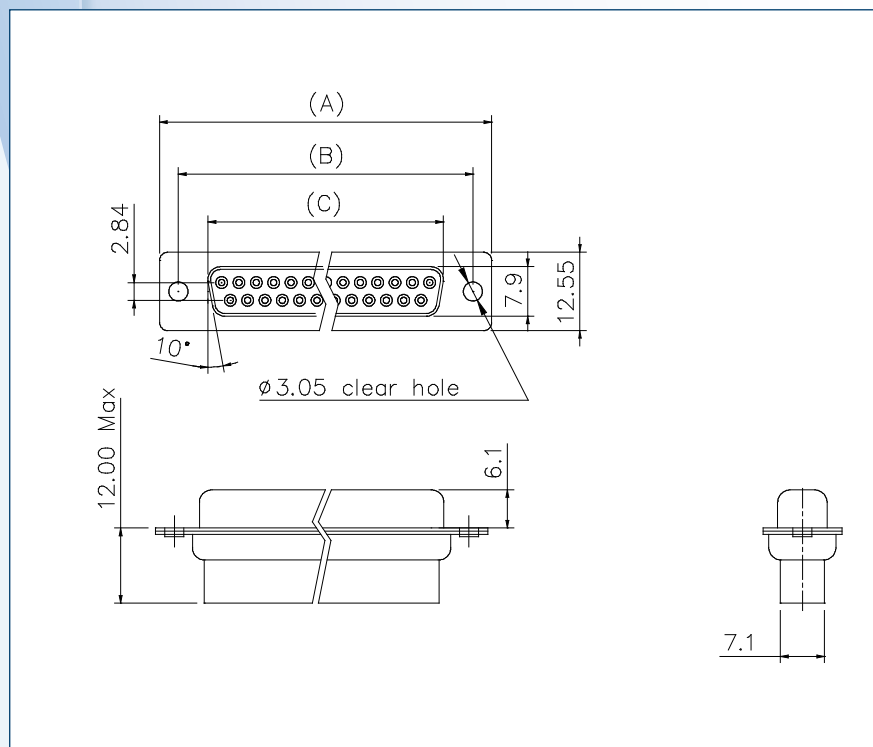
### Materials:

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,33 |
| 15             | 39,10 | 33,32 | 24,66 |
| 25             | 53,09 | 47,04 | 38,38 |
| 37             | 69,40 | 63,50 | 54,84 |



### Part Numbers :

| Nb of Contacts | Part Number |
|----------------|-------------|
| 9              | L177RRE09S  |
| 15             | L177RRA15S  |
| 25             | L177RRB25S  |
| 37             | L177RRC37S  |

## MALE CRIMP CONTACT



### Specifications:

Wire gage: AWG 20-24 & 24-28, solid or stranded wires

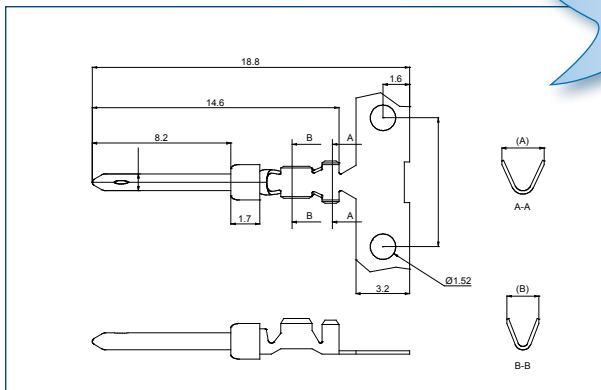
### Material:

Brass

### Dimensions:

| Wire Gage | A   | B   |
|-----------|-----|-----|
| 20-24     | 2,5 | 1,9 |
| 24-28     | 1,7 | 1,5 |

For detailed specifications check  
[www.amphenolinfocom.eu](http://www.amphenolinfocom.eu)



### Part Numbers :

| Wire gage | Packaging            | Plating   | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|-----------|----------------------|-----------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 20-24     | 100 cts<br>Bulk      | Full Gold | L17RRD1M01100                         | L17RRD1M02100                           | L17RRD1M04100                           |
|           |                      | Selective | L17RRD1M11100                         | L17RRD1M12100                           | L17RRD1M14100                           |
|           | reel of<br>400 cts   | Full Gold | L17RRD1M01400                         | L17RRD1M02400                           | L17RRD1M04400                           |
|           |                      | Selective | L17RRD1M11400                         | L17RRD1M12400                           | L17RRD1M14400                           |
|           | reel of<br>2000 cts  | Full Gold | L17RRD1M012K                          | L17RRD1M022K                            | L17RRD1M042K                            |
|           |                      | Selective | L17RRD1M112K                          | L17RRD1M122K                            | L17RRD1M142K                            |
|           | reel of<br>10000 cts | Full Gold | L17RRD1M0110K                         | L17RRD1M0210K                           | L17RRD1M0410K                           |
|           |                      | Selective | L17RRD1M1110K                         | L17RRD1M1210K                           | L17RRD1M1410K                           |
| 24-28     | 100 cts<br>Bulk      | Full Gold | L17RRD2M01100                         | L17RRD2M02100                           | L17RRD2M04100                           |
|           |                      | Selective | L17RRD2M11100                         | L17RRD2M12100                           | L17RRD2M14100                           |
|           | reel of<br>400 cts   | Full Gold | L17RRD2M01400                         | L17RRD2M02400                           | L17RRD2M04400                           |
|           |                      | Selective | L17RRD2M11400                         | L17RRD2M12400                           | L17RRD2M14400                           |
|           | reel of<br>2000 cts  | Full Gold | L17RRD2M012K                          | L17RRD2M022K                            | L17RRD2M042K                            |
|           |                      | Sllective | L17RRD2M112K                          | L17RRD2M122K                            | L17RRD2M142K                            |
|           | reel of<br>10000 cts | Full Gold | L17RRD2M0110K                         | L17RRD2M0210K                           | L17RRD2M0410K                           |
|           |                      | Sllective | L17RRD2M1110K                         | L17RRD2M1210K                           | L17RRD2M1410K                           |

Performance levels as per DIN 41 652/IEC 807-3

## FEMALE CRIMP CONTACT



### Specifications:

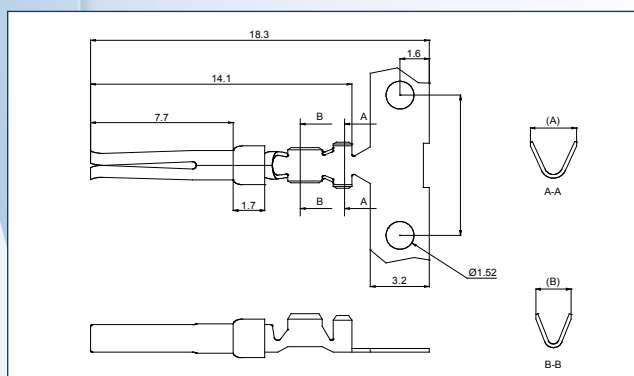
Wire gage: AWG 24-28, solid or stranded wires

### Material:

Bronze

### Dimensions:

| Wire Gage | A   | B   |
|-----------|-----|-----|
| 20-24     | 2,5 | 1,9 |
| 24-28     | 1,7 | 1,5 |



### Part Numbers :

| Wire gage | Packaging            | Plating   | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|-----------|----------------------|-----------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 20-24     | 100 cts<br>Bulk      | Full Gold | L17RRD1F01100                         | L17RRD1F02100                           | L17RRD1F04100                           |
|           |                      | Selective | L17RRD1F11100                         | L17RRD1F12100                           | L17RRD1F14100                           |
|           | reel of<br>400 cts   | Full Gold | L17RRD1F01400                         | L17RRD1F02400                           | L17RRD1F04400                           |
|           |                      | Selective | L17RRD1F11400                         | L17RRD1F12400                           | L17RRD1F14400                           |
|           | reel of<br>2000 cts  | Full Gold | L17RRD1F012K                          | L17RRD1F022K                            | L17RRD1F042K                            |
|           |                      | Selective | L17RRD1F112K                          | L17RRD1F122K                            | L17RRD1F142K                            |
|           | reel of<br>10000 cts | Full Gold | L17RRD1F0110K                         | L17RRD1F0210K                           | L17RRD1F0410K                           |
|           |                      | Selective | L17RRD1F1110K                         | L17RRD1F1210K                           | L17RRD1F1410K                           |
| 24-28     | 100 cts<br>Bulk      | Full Gold | L17RRD2F01100                         | L17RRD2F02100                           | L17RRD2F04100                           |
|           |                      | Selective | L17RRD2F11100                         | L17RRD2F12100                           | L17RRD2F14100                           |
|           | reel of<br>400 cts   | Full Gold | L17RRD2F01400                         | L17RRD2F02400                           | L17RRD2F04400                           |
|           |                      | Selective | L17RRD2F11400                         | L17RRD2F12400                           | L17RRD2F14400                           |
|           | reel of<br>2000 cts  | Full Gold | L17RRD2F012K                          | L17RRD2F022K                            | L17RRD2F042K                            |
|           |                      | Selective | L17RRD2F112K                          | L17RRD2F122K                            | L17RRD2F142K                            |
|           | reel of<br>10000 cts | Full Gold | L17RRD2F0110K                         | L17RRD2F0210K                           | L17RRD2F0410K                           |
|           |                      | Selective | L17RRD2F1110K                         | L17RRD2F1210K                           | L17RRD2F1410K                           |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG FLAT RIBBON IDC



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

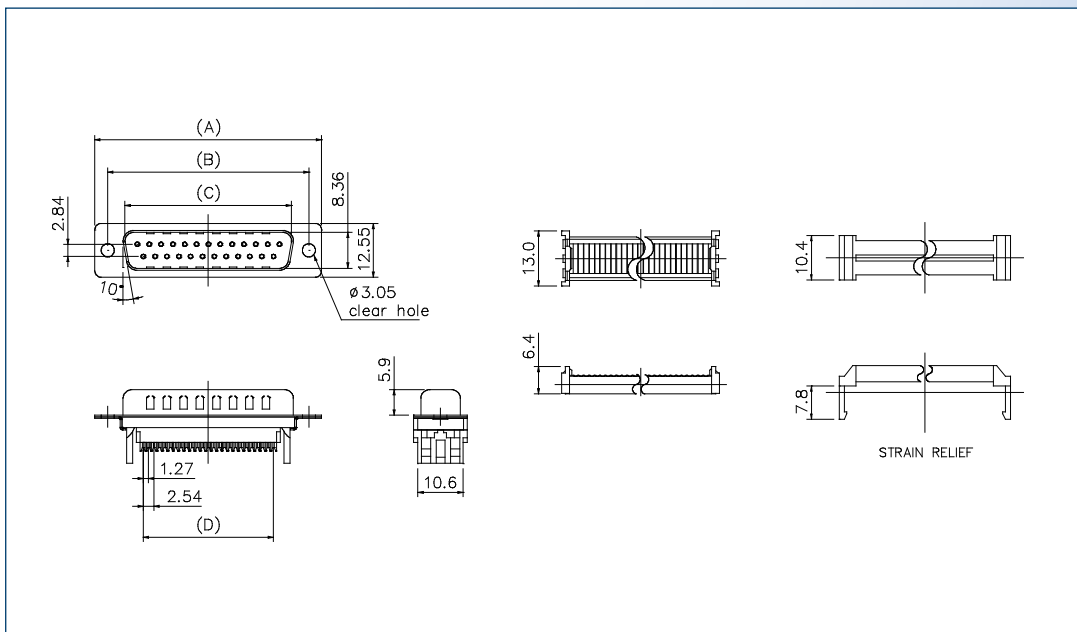
Contact: Brass

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     | D     |
|----------------|-------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,92 | 10,16 |
| 15             | 39,10 | 33,32 | 25,25 | 17,78 |
| 25             | 53,09 | 47,04 | 38,96 | 30,48 |
| 37             | 69,40 | 63,50 | 55,42 | 45,72 |



### Part Numbers :

| Nb of Contacts | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 μm Gold ) | Performance Level 1<br>( 0,76 μm Gold ) |
|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | L17DEFRA09P                           | L117DEFRA09P                            | L17DEFRA09PC309                         |
| 15             | L17DAFRA15P                           | L117DAFRA15P                            | L17DAFRA15PC309                         |
| 25             | L17DBFRA25P                           | L117DBFRA25P                            | L17DBFRA25PC309                         |
| 37             | L17DCFRA37P                           | L117DCFRA37P                            | L17DCFRA37PC309                         |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE FLAT RIBBON IDC



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

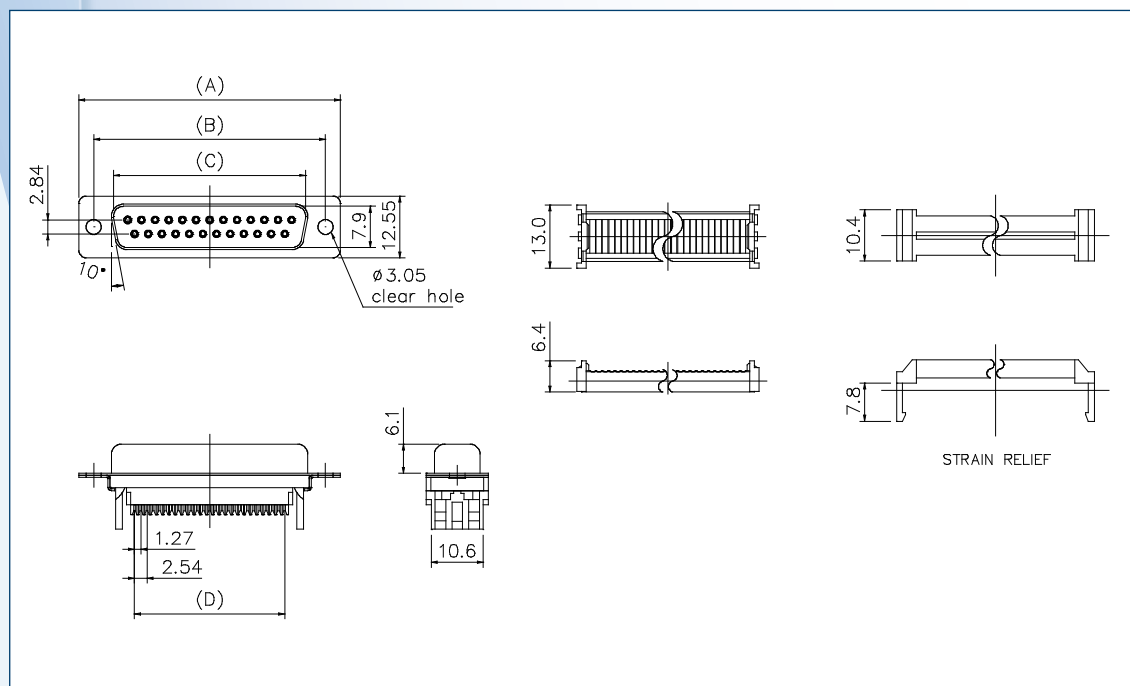
Contact: Bronze

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     | D     |
|----------------|-------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,33 | 10,16 |
| 15             | 39,10 | 33,32 | 24,66 | 17,78 |
| 25             | 53,09 | 47,04 | 38,38 | 30,48 |
| 37             | 69,40 | 63,50 | 54,84 | 45,72 |



### Part Numbers :

| Nb of Contacts | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 μm Gold ) | Performance Level 1<br>( 0,76 μm Gold ) |
|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | L17DEFRA09S                           | L117DEFRA09S                            | L17DEFRA09SC309                         |
| 15             | L17DAFRA15S                           | L117DAFRA15S                            | L17DAFRA15SC309                         |
| 25             | L17DBFRA25S                           | L117DBFRA25S                            | L17DBFRA25SC309                         |
| 37             | L17DCFRA37S                           | L117DCFRA37S                            | L17DCFRA37SC309                         |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG STRAIGHT PCB – REAR INSERTS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

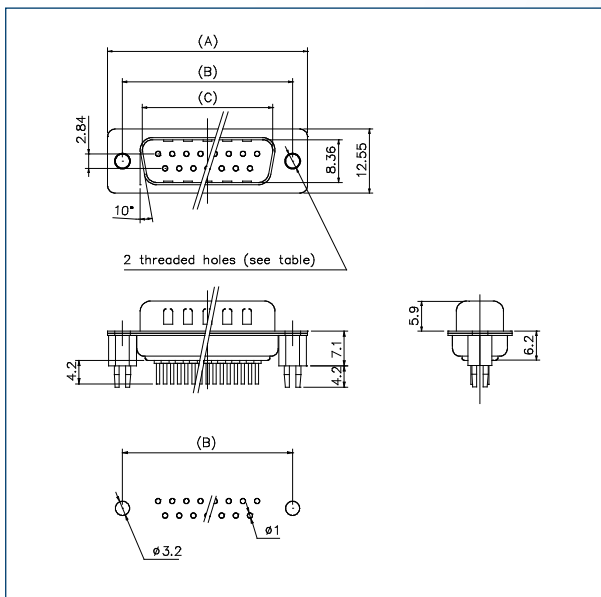
Contact: Brass

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,92 |
| 15             | 39,10 | 33,32 | 25,25 |
| 25             | 53,09 | 47,04 | 38,96 |
| 37             | 69,40 | 63,50 | 55,42 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L717SDEH09POL2RM5                     | L777SDEH09POL2RM5                       | L717SDEH09POL2RM5C309                   |
|                | M3             | L717SDEG09POL2RM5                     | L777SDEG09POL2RM5                       | L717SDEG09POL2RM5C309                   |
| 15             | UNC #4-40      | L717SDAH15POL2RM5                     | L777SDAH15POL2RM5                       | L717SDAH15POL2RM5C309                   |
|                | M3             | L717SDAG15POL2RM5                     | L777SDAG15POL2RM5                       | L717SDAG15POL2RM5C309                   |
| 25             | UNC #4-40      | L717SDBH25POL2RM5                     | L777SDBH25POL2RM5                       | L717SDBH25POL2RM5C309                   |
|                | M3             | L717SDBG25POL2RM5                     | L777SDBG25POL2RM5                       | L717SDBG25POL2RM5C309                   |
| 37             | UNC #4-40      | L717SDCH37POL2RM5                     | L777SDCH37POL2RM5                       | L717SDCH37POL2RM5C309                   |
|                | M3             | L717SDCG37POL2RM5                     | L777SDCG37POL2RM5                       | L717SDCG37POL2RM5C309                   |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE STRAIGHT PCB – REAR INSERTS



### Specifications:

Contact Resistance: 20 MΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

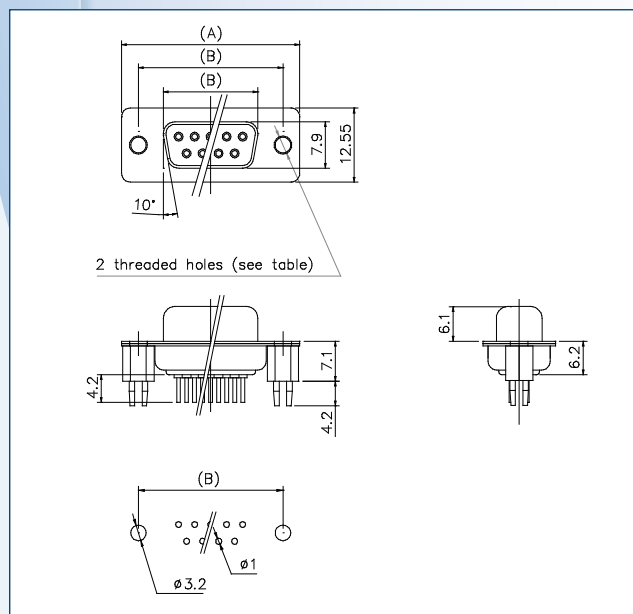
Contact: Bronze

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,33 |
| 15             | 39,10 | 33,32 | 24,66 |
| 25             | 53,09 | 47,04 | 38,38 |
| 37             | 69,40 | 63,50 | 54,84 |



### Part Numbers:

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 μm Gold ) | Performance Level 1<br>( 0,76 μm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L77SDEH09SOL2RM5                      | L177SDEH09SOL2RM5                       | L77SDEH09SOL2RM5C309                    |
|                | M3             | L77SDEG09SOL2RM5                      | L177SDEG09SOL2RM5                       | L77SDEG09SOL2RM5C309                    |
| 15             | UNC #4-40      | L77SDAH15SOL2RM5                      | L177SDAH15SOL2RM5                       | L77SDAH15SOL2RM5C309                    |
|                | M3             | L77SDAG15SOL2RM5                      | L177SDAG15SOL2RM5                       | L77SDAG15SOL2RM5C309                    |
| 25             | UNC #4-40      | L77SDBH25SOL2RM5                      | L177SDBH25SOL2RM5                       | L77SDBH25SOL2RM5C309                    |
|                | M3             | L77SDBG25SOL2RM5                      | L177SDBG25SOL2RM5                       | L77SDBG25SOL2RM5C309                    |
| 37             | UNC #4-40      | L77SDCH37SOL2RM5                      | L177SDCH37SOL2RM5                       | L77SDCH37SOL2RM5C309                    |
|                | M3             | L77SDCG37SOL2RM5                      | L177SDCG37SOL2RM5                       | L77SDCG37SOL2RM5C309                    |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG STRAIGHT PCB – FRONT SCREWLOCKS



### Specifications:

Contact Resistance: 20 MΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

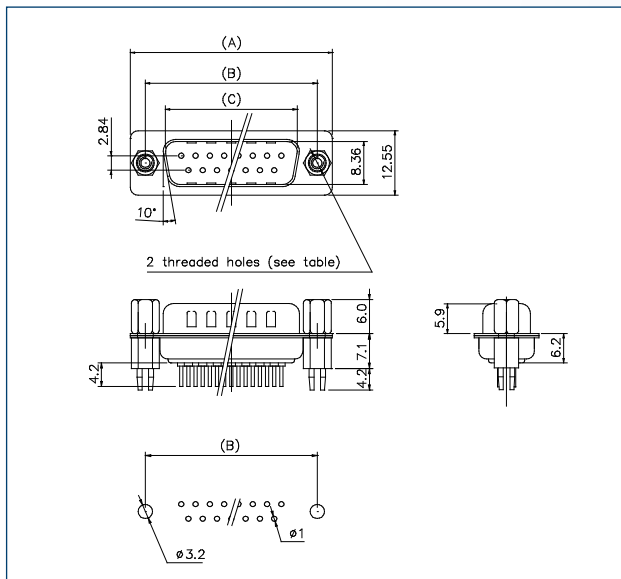
Contact: Brass

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,92 |
| 15             | 39,10 | 33,32 | 25,25 |
| 25             | 53,09 | 47,04 | 38,96 |
| 37             | 69,40 | 63,50 | 55,42 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 μm Gold ) | Performance Level 1<br>( 0,76 μm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L717SDEH09POL2RM8                     | L777SDEH09POL2RM8                       | L717SDEH09POL2RM8C309                   |
|                | M3             | L717SDEG09POL2RM8                     | L777SDEG09POL2RM8                       | L717SDEG09POL2RM8C309                   |
| 15             | UNC #4-40      | L717SDAH15POL2RM8                     | L777SDAH15POL2RM8                       | L717SDAH15POL2RM8C309                   |
|                | M3             | L717SDAG15POL2RM8                     | L777SDAG15POL2RM8                       | L717SDAG15POL2RM8C309                   |
| 25             | UNC #4-40      | L717SDBH25POL2RM8                     | L777SDBH25POL2RM8                       | L717SDBH25POL2RM8C309                   |
|                | M3             | L717SDBG25POL2RM8                     | L777SDBG25POL2RM8                       | L717SDBG25POL2RM8C309                   |
| 37             | UNC #4-40      | L717SDCH37POL2RM8                     | L777SDCH37POL2RM8                       | L717SDCH37POL2RM8C309                   |
|                | M3             | L717SDCG37POL2RM8                     | L777SDCG37POL2RM8                       | L717SDCG37POL2RM8C309                   |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE STRAIGHT PCB – FRONT SCREWLOCKS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

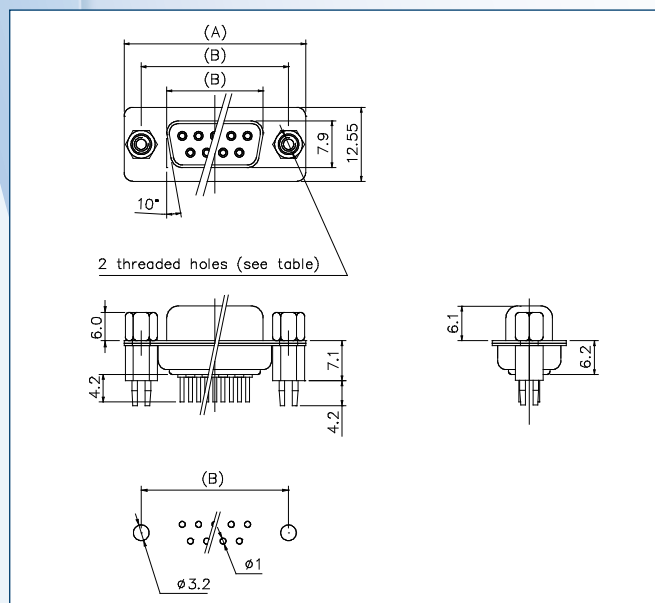
Contact: Bronze

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,33 |
| 15             | 39,10 | 33,32 | 24,66 |
| 25             | 53,09 | 47,04 | 38,38 |
| 37             | 69,40 | 63,50 | 54,84 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L77SDEH09SOL2RM8                      | L177SDEH09SOL2RM8                       | L77SDEH09SOL2RM8C309                    |
|                | M3             | L77SDEG09SOL2RM8                      | L177SDEG09SOL2RM8                       | L77SDEG09SOL2RM8C309                    |
| 15             | UNC #4-40      | L77SDAH15SOL2RM8                      | L177SDAH15SOL2RM8                       | L77SDAH15SOL2RM8C309                    |
|                | M3             | L77SDAG15SOL2RM8                      | L177SDAG15SOL2RM8                       | L77SDAG15SOL2RM8C309                    |
| 25             | UNC #4-40      | L77SDBH25SOL2RM8                      | L177SDBH25SOL2RM8                       | L77SDBH25SOL2RM8C309                    |
|                | M3             | L77SDBG25SOL2RM8                      | L177SDBG25SOL2RM8                       | L77SDBG25SOL2RM8C309                    |
| 37             | UNC #4-40      | L77SDCH37SOL2RM8                      | L177SDCH37SOL2RM8                       | L77SDCH37SOL2RM8C309                    |
|                | M3             | L77SDCG37SOL2RM8                      | L177SDCG37SOL2RM8                       | L77SDCG37SOL2RM8C309                    |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG STRAIGHT PCB LOW PROFILE – REAR INSERTS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

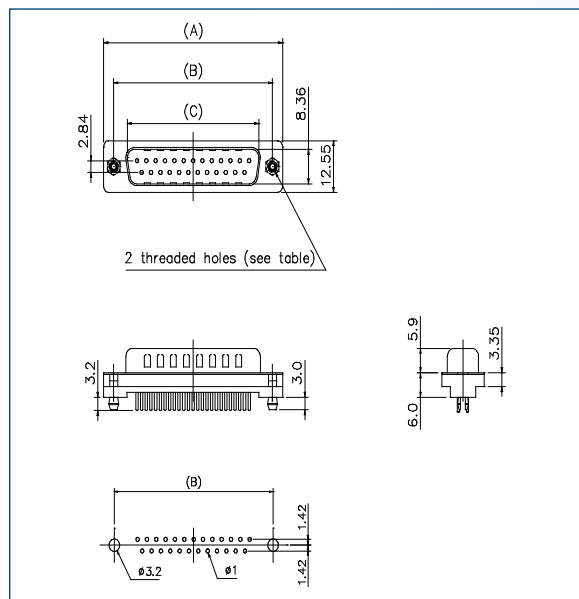
Contact: Brass

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,92 |
| 15             | 39,10 | 33,32 | 25,25 |
| 25             | 53,09 | 47,04 | 38,96 |
| 37             | 69,40 | 63,50 | 55,42 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 μm Gold ) | Performance Level 1<br>( 0,76 μm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L717TSEH09POL2RM5                     | L777TSEH09POL2RM5                       | L717TSEH09POL2RM5C309                   |
|                | M3             | L717TSEG09POL2RM5                     | L777TSEG09POL2RM5                       | L717TSEG09POL2RM5C309                   |
| 15             | UNC #4-40      | L717TSAH15POL2RM5                     | L777TSAH15POL2RM5                       | L717TSAH15POL2RM5C309                   |
|                | M3             | L717TSAG15POL2RM5                     | L777TSAG15POL2RM5                       | L717TSAG15POL2RM5C309                   |
| 25             | UNC #4-40      | L717TSBH25POL2RM5                     | L777TSBH25POL2RM5                       | L717TSBH25POL2RM5C309                   |
|                | M3             | L717TSBG25POL2RM5                     | L777TSBG25POL2RM5                       | L717TSBG25POL2RM5C309                   |
| 37             | UNC #4-40      | L717TSCH37POL2RM5                     | L777TSCH37POL2RM5                       | L717TSCH37POL2RM5C309                   |
|                | M3             | L717TSCG37POL2RM5                     | L777TSCG37POL2RM5                       | L717TSCG37POL2RM5C309                   |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE STRAIGHT PCB LOW PROFILE – REAR INSERTS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

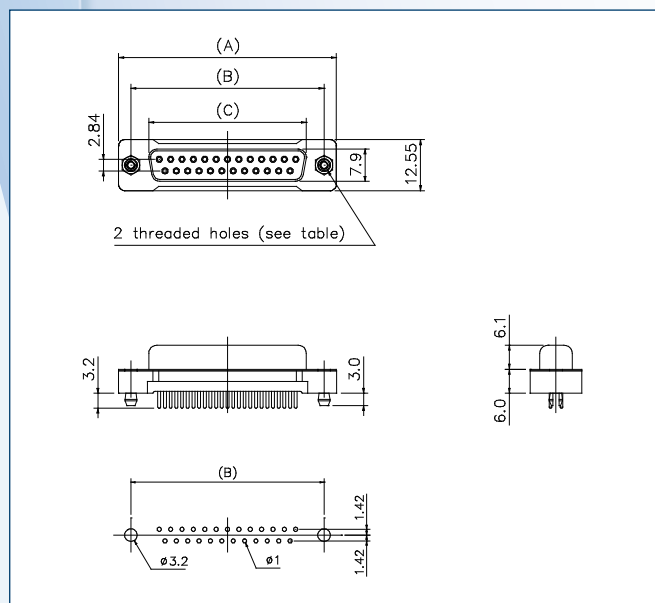
Contact: Bronze

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,33 |
| 15             | 39,10 | 33,32 | 24,66 |
| 25             | 53,09 | 47,04 | 38,38 |
| 37             | 69,40 | 63,50 | 54,84 |



### Part Numbers:

| Nb of Contacts | Threaded holes | Performance Level 3<br>(flash Gold) | Performance Level 2<br>(0,38 μm Gold) | Performance Level 1<br>(0,76 μm Gold) |
|----------------|----------------|-------------------------------------|---------------------------------------|---------------------------------------|
| 9              | UNC #4-40      | L77TSEH09SOL2RM5                    | L177TSEH09SOL2RM5                     | L77TSEH09SOL2RM5C309                  |
|                | M3             | L77TSEG09SOL2RM5                    | L177TSEG09SOL2RM5                     | L77TSEG09SOL2RM5C309                  |
| 15             | UNC #4-40      | L77TSAH15SOL2RM5                    | L177TSAH15SOL2RM5                     | L77TSAH15SOL2RM5C309                  |
|                | M3             | L77TSAG15SOL2RM5                    | L177TSAG15SOL2RM5                     | L77TSAG15SOL2RM5C309                  |
| 25             | UNC #4-40      | L77TSBH25SOL2RM5                    | L177TSBH25SOL2RM5                     | L77TSBH25SOL2RM5C309                  |
|                | M3             | L77TSBG25SOL2RM5                    | L177TSBG25SOL2RM5                     | L77TSBG25SOL2RM5C309                  |
| 37             | UNC #4-40      | L77TSCH37SOL2RM5                    | L177TSCH37SOL2RM5                     | L77TSCH37SOL2RM5C309                  |
|                | M3             | L77TSCG37SOL2RM5                    | L177TSCG37SOL2RM5                     | L77TSCG37SOL2RM5C309                  |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG STRAIGHT PCB LOW PROFILE – FRONT SCREWLOCKS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

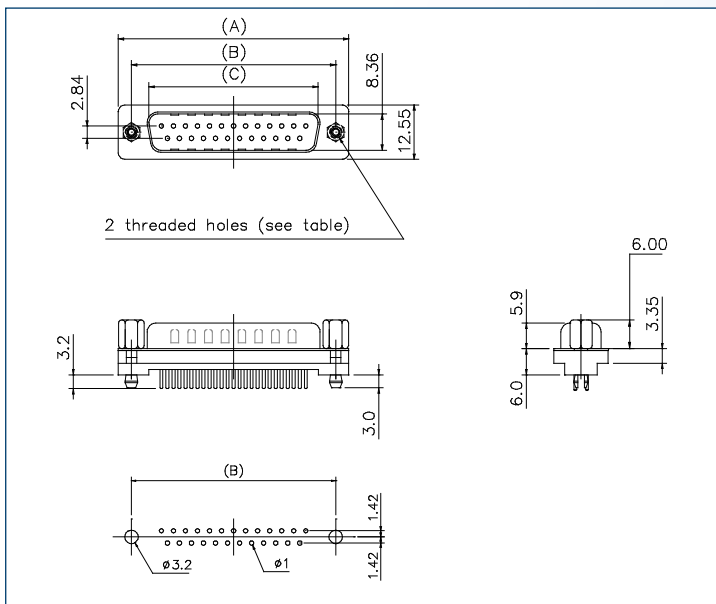
Contact: Brass

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,92 |
| 15             | 39,10 | 33,32 | 25,25 |
| 25             | 53,09 | 47,04 | 38,96 |
| 37             | 69,40 | 63,50 | 55,42 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L717TSEH09POL2RM8                     | L777TSEH09POL2RM8                       | L717TSEH09POL2RM8C309                   |
|                | M3             | L717TSEG09POL2RM8                     | L777TSEG09POL2RM8                       | L717TSEG09POL2RM8C309                   |
| 15             | UNC #4-40      | L717TSAH15POL2RM8                     | L777TSAH15POL2RM8                       | L717TSAH15POL2RM8C309                   |
|                | M3             | L717TSAG15POL2RM8                     | L777TSAG15POL2RM8                       | L717TSAG15POL2RM8C309                   |
| 25             | UNC #4-40      | L717TSBH25POL2RM8                     | L777TSBH25POL2RM8                       | L717TSBH25POL2RM8C309                   |
|                | M3             | L717TSBG25POL2RM8                     | L777TSBG25POL2RM8                       | L717TSBG25POL2RM8C309                   |
| 37             | UNC #4-40      | L717TSCH37POL2RM8                     | L777TSCH37POL2RM8                       | L717TSCH37POL2RM8C309                   |
|                | M3             | L717TSCG37POL2RM8                     | L777TSCG37POL2RM8                       | L717TSCG37POL2RM8C309                   |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE STRAIGHT PCB LOW PROFILE FRONT SCREWLOCKS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

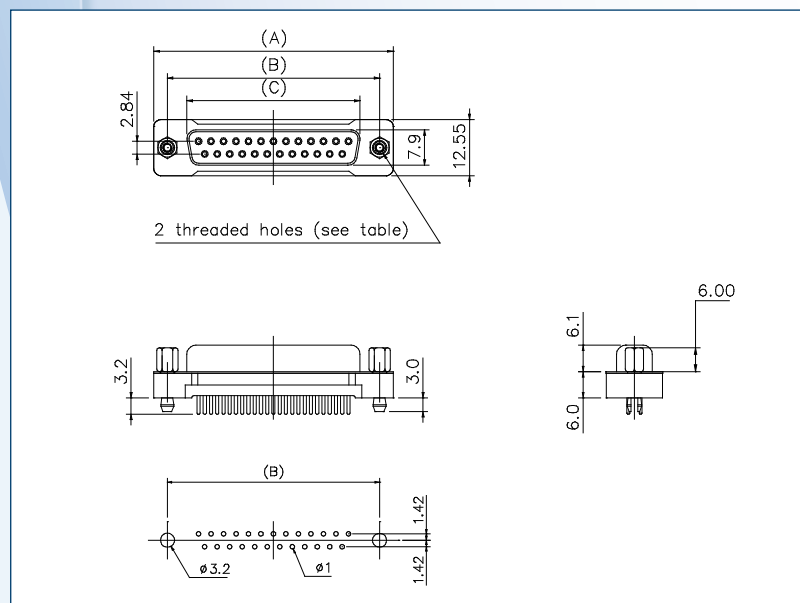
Contact: Bronze

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,33 |
| 15             | 39,10 | 33,32 | 24,66 |
| 25             | 53,09 | 47,04 | 38,38 |
| 37             | 69,40 | 63,50 | 54,84 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 μm Gold ) | Performance Level 1<br>( 0,76 μm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L77TSEH09SOL2RM8                      | L177TSEH09SOL2RM8                       | L77TSEH09SOL2RM8C309                    |
|                | M3             | L77TSEG09SOL2RM8                      | L177TSEG09SOL2RM8                       | L77TSEG09SOL2RM8C309                    |
| 15             | UNC #4-40      | L77TSAH15SOL2RM8                      | L177TSAH15SOL2RM8                       | L77TSAH15SOL2RM8C309                    |
|                | M3             | L77TSAG15SOL2RM8                      | L177TSAG15SOL2RM8                       | L77TSAG15SOL2RM8C309                    |
| 25             | UNC #4-40      | L77TSBH25SOL2RM8                      | L177TSBH25SOL2RM8                       | L77TSBH25SOL2RM8C309                    |
|                | M3             | L77TSBG25SOL2RM8                      | L177TSBG25SOL2RM8                       | L77TSBG25SOL2RM8C309                    |
| 37             | UNC #4-40      | L77TSCH37SOL2RM8                      | L177TSCH37SOL2RM8                       | L77TSCH37SOL2RM8C309                    |
|                | M3             | L77TSCG37SOL2RM8                      | L177TSCG37SOL2RM8                       | L77TSCG37SOL2RM8C309                    |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG RIGHT ANGLE MIL FOOTPRINT – REAR INSERTS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

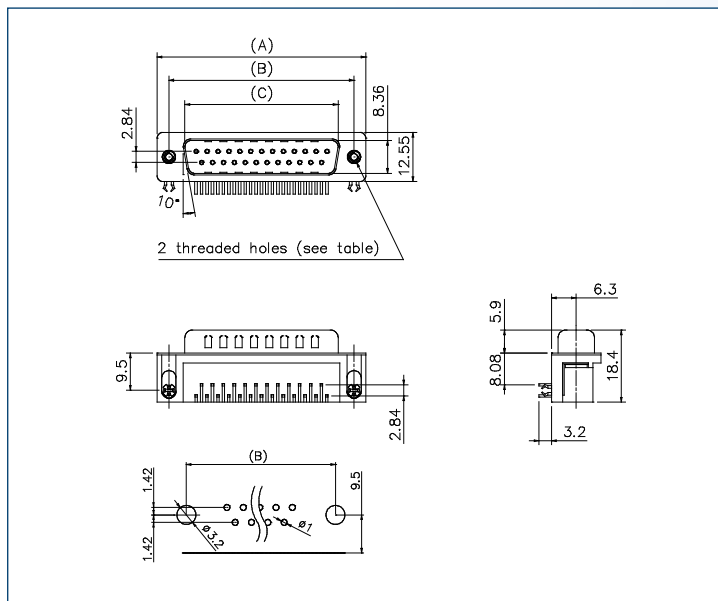
Contact: Brass

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,92 |
| 15             | 39,10 | 33,32 | 25,25 |
| 25             | 53,09 | 47,04 | 38,96 |
| 37             | 69,40 | 63,50 | 55,42 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 μm Gold ) | Performance Level 1<br>( 0,76 μm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L717SDE09PA4CH4R                      | L777SDE09PA4CH4R                        | L717SDE09PA4CH4RC309                    |
|                | M3             | L717SDE09PA4CH3R                      | L777SDE09PA4CH3R                        | L717SDE09PA4CH3RC309                    |
| 15             | UNC #4-40      | L717SDA15PA4CH4R                      | L777SDA15PA4CH4R                        | L717SDA15PA4CH4RC309                    |
|                | M3             | L717SDA15PA4CH3R                      | L777SDA15PA4CH3R                        | L717SDA15PA4CH3RC309                    |
| 25             | UNC #4-40      | L717SDB25PA4CH4R                      | L777SDB25PA4CH4R                        | L717SDB25PA4CH4RC309                    |
|                | M3             | L717SDB25PA4CH3R                      | L777SDB25PA4CH3R                        | L717SDB25PA4CH3RC309                    |
| 37             | UNC #4-40      | L717SDC37PA4CH4R                      | L777SDC37PA4CH4R                        | L717SDC37PA4CH4RC309                    |
|                | M3             | L717SDC37PA4CH3R                      | L777SDC37PA4CH3R                        | L717SDC37PA4CH3RC309                    |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE RIGHT ANGLE MIL FOOTPRINT – REAR INSERTS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

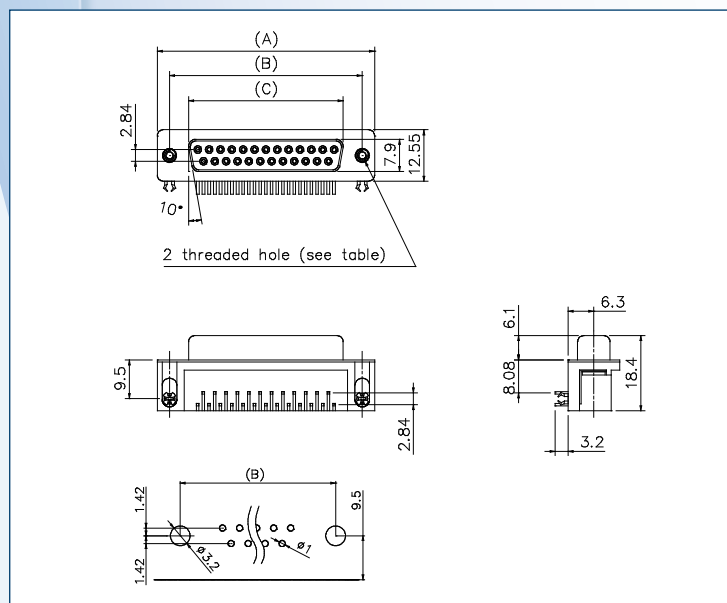
Contact: Bronze

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,33 |
| 15             | 39,10 | 33,32 | 24,66 |
| 25             | 53,09 | 47,04 | 38,38 |
| 37             | 69,40 | 63,50 | 54,84 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L77SDE09SA4CH4R                       | L177SDE09SA4CH4R                        | L77SDE09SA4CH4RC309                     |
|                | M3             | L77SDE09SA4CH3R                       | L177SDE09SA4CH3R                        | L77SDE09SA4CH3RC309                     |
| 15             | UNC #4-40      | L77SDA15SA4CH4R                       | L177SDA15SA4CH4R                        | L77SDA15SA4CH4RC309                     |
|                | M3             | L77SDA15SA4CH3R                       | L177SDA15SA4CH3R                        | L77SDA15SA4CH3RC309                     |
| 25             | UNC #4-40      | L77SDB25SA4CH4R                       | L177SDB25SA4CH4R                        | L77SDB25SA4CH4RC309                     |
|                | M3             | L77SDB25SA4CH3R                       | L177SDB25SA4CH3R                        | L77SDB25SA4CH3RC309                     |
| 37             | UNC #4-40      | L77SDC37SA4CH4R                       | L177SDC37SA4CH4R                        | L77SDC37SA4CH4RC309                     |
|                | M3             | L77SDC37SA4CH3R                       | L177SDC37SA4CH3R                        | L77SDC37SA4CH3RC309                     |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG RIGHT ANGLE MIL FOOTPRINT – FRONT SCREWLOCKS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

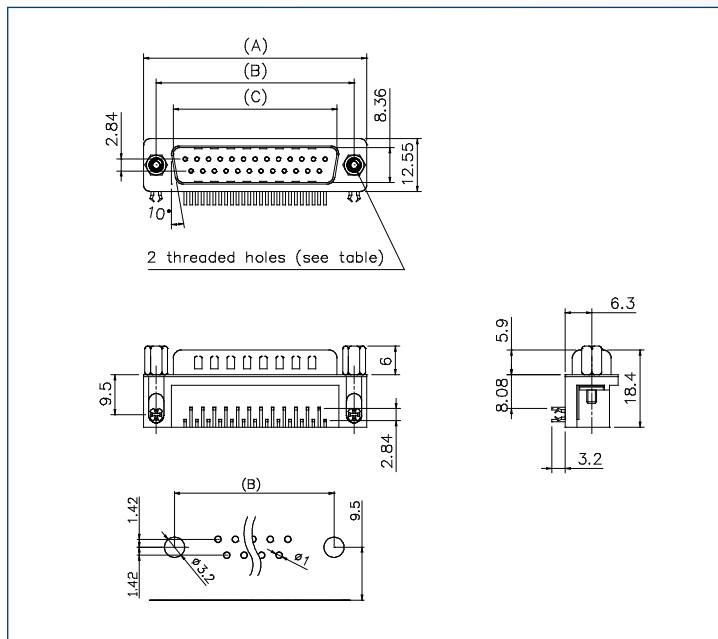
Contact: Brass

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,92 |
| 15             | 39,10 | 33,32 | 25,25 |
| 25             | 53,09 | 47,04 | 38,96 |
| 37             | 69,40 | 63,50 | 55,42 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L717SDE09PA4CH4F                      | L777SDE09PA4CH4F                        | L717SDE09PA4CH4FC309                    |
|                | M3             | L717SDE09PA4CH3F                      | L777SDE09PA4CH3F                        | L717SDE09PA4CH3FC309                    |
| 15             | UNC #4-40      | L717SDA15PA4CH4F                      | L777SDA15PA4CH4F                        | L717SDA15PA4CH4FC309                    |
|                | M3             | L717SDA15PA4CH3F                      | L777SDA15PA4CH3F                        | L717SDA15PA4CH3FC309                    |
| 25             | UNC #4-40      | L717SDB25PA4CH4F                      | L777SDB25PA4CH4F                        | L717SDB25PA4CH4FC309                    |
|                | M3             | L717SDB25PA4CH3F                      | L777SDB25PA4CH3F                        | L717SDB25PA4CH3FC309                    |
| 37             | UNC #4-40      | L717SDC37PA4CH4F                      | L777SDC37PA4CH4F                        | L717SDC37PA4CH4FC309                    |
|                | M3             | L717SDC37PA4CH3F                      | L777SDC37PA4CH3F                        | L717SDC37PA4CH3FC309                    |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE RIGHT ANGLE MIL FOOTPRINT FRONT SCREWLOCKS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

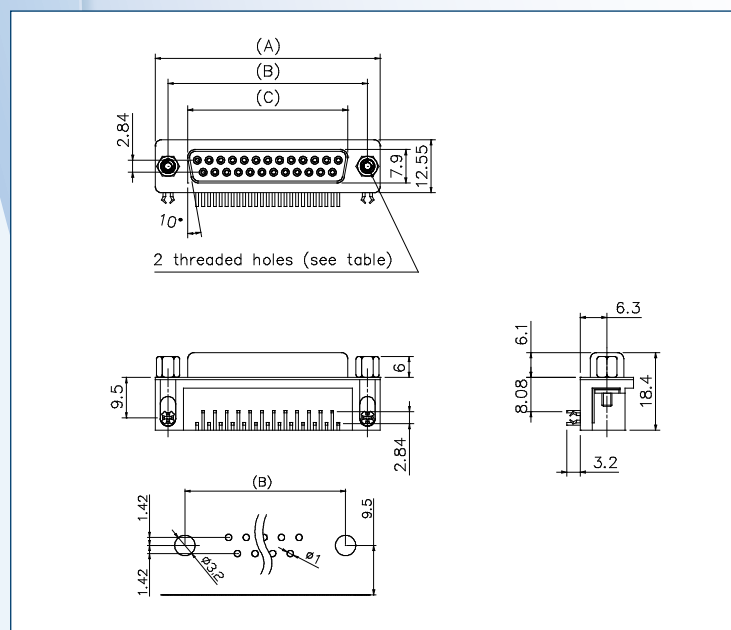
Contact: Bronze

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,33 |
| 15             | 39,10 | 33,32 | 24,66 |
| 25             | 53,09 | 47,04 | 38,38 |
| 37             | 69,40 | 63,50 | 54,84 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L77SDE09SA4CH4F                       | L177SDE09SA4CH4F                        | L77SDE09SA4CH4FC309                     |
|                | M3             | L77SDE09SA4CH3F                       | L177SDE09SA4CH3F                        | L77SDE09SA4CH3FC309                     |
| 15             | UNC #4-40      | L77SDA15SA4CH4F                       | L177SDA15SA4CH4F                        | L77SDA15SA4CH4FC309                     |
|                | M3             | L77SDA15SA4CH3F                       | L177SDA15SA4CH3F                        | L77SDA15SA4CH3FC309                     |
| 25             | UNC #4-40      | L77SDB25SA4CH4F                       | L177SDB25SA4CH4F                        | L77SDB25SA4CH4FC309                     |
|                | M3             | L77SDB25SA4CH3F                       | L177SDB25SA4CH3F                        | L77SDB25SA4CH3FC309                     |
| 37             | UNC #4-40      | L77SDC37SA4CH4F                       | L177SDC37SA4CH4F                        | L77SDC37SA4CH4FC309                     |
|                | M3             | L77SDC37SA4CH3F                       | L177SDC37SA4CH3F                        | L77SDC37SA4CH3FC309                     |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG RIGHT ANGLE EUROPE FOOTPRINT – REAR INSERTS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

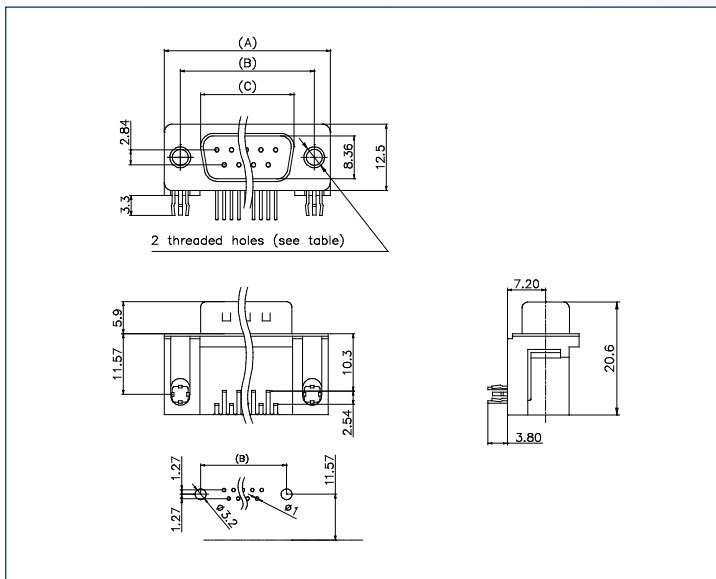
Contact: Brass

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,92 |
| 15             | 39,10 | 33,32 | 25,25 |
| 25             | 53,09 | 47,04 | 38,96 |
| 37             | 69,40 | 63,50 | 55,42 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L717SDE09P1ACH4R                      | L777SDE09P1ACH4R                        | L717SDE09P1ACH4RC309                    |
|                | M3             | L717SDE09P1ACH3R                      | L777SDE09P1ACH3R                        | L717SDE09P1ACH3RC309                    |
| 15             | UNC #4-40      | L717SDA15P1ACH4R                      | L777SDA15P1ACH4R                        | L717SDA15P1ACH4RC309                    |
|                | M3             | L717SDA15P1ACH3R                      | L777SDA15P1ACH3R                        | L717SDA15P1ACH3RC309                    |
| 25             | UNC #4-40      | L717SDB25P1ACH4R                      | L777SDB25P1ACH4R                        | L717SDB25P1ACH4RC309                    |
|                | M3             | L717SDB25P1ACH3R                      | L777SDB25P1ACH3R                        | L717SDB25P1ACH3RC309                    |
| 37             | UNC #4-40      | L717SDC37P1ACH4R                      | L777SDC37P1ACH4R                        | L717SDC37P1ACH4RC309                    |
|                | M3             | L717SDC37P1ACH3R                      | L777SDC37P1ACH3R                        | L717SDC37P1ACH3RC309                    |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE RIGHT ANGLE EUROPE FOOTPRINT REAR INSERTS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

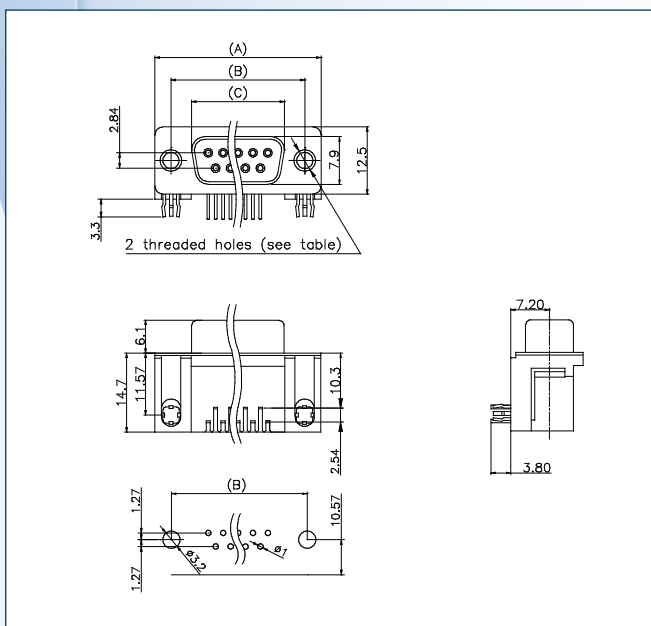
Contact: Bronze

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,33 |
| 15             | 39,10 | 33,32 | 24,66 |
| 25             | 53,09 | 47,04 | 38,38 |
| 37             | 69,40 | 63,50 | 54,84 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L77SDE09S1ACH4R                       | L177SDE09S1ACH4R                        | L77SDE09S1ACH4RC309                     |
|                | M3             | L77SDE09S1ACH3R                       | L177SDE09S1ACH3R                        | L77SDE09S1ACH3RC309                     |
| 15             | UNC #4-40      | L77SDA15S1ACH4R                       | L177SDA15S1ACH4R                        | L77SDA15S1ACH4RC309                     |
|                | M3             | L77SDA15S1ACH3R                       | L177SDA15S1ACH3R                        | L77SDA15S1ACH3RC309                     |
| 25             | UNC #4-40      | L77SDB25S1ACH4R                       | L177SDB25S1ACH4R                        | L77SDB25S1ACH4RC309                     |
|                | M3             | L77SDB25S1ACH3R                       | L177SDB25S1ACH3R                        | L77SDB25S1ACH3RC309                     |
| 37             | UNC #4-40      | L77SDC37S1ACH4R                       | L177SDC37S1ACH4R                        | L77SDC37S1ACH4RC309                     |
|                | M3             | L77SDC37S1ACH3R                       | L177SDC37S1ACH3R                        | L77SDC37S1ACH3RC309                     |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG RIGHT ANGLE EUROPE FOOTPRINT FRONT SCREWLOCKS



### Specifications:

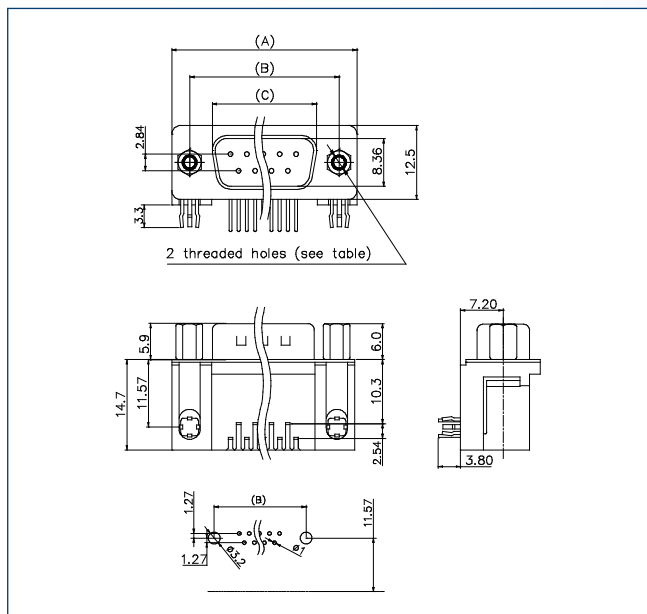
|                                                        |
|--------------------------------------------------------|
| Contact Resistance: 20 mΩ Max                          |
| Insulator Resistance: 1000 MΩ Min at 500V DC           |
| Current Rating: 5A                                     |
| Dielectric Withstanding Voltage: 1000V AC for 1 minute |
| Operating Temperature: -55°C to +105°C                 |

### Materials:

|                                              |
|----------------------------------------------|
| Contact: Brass                               |
| Housing: Glass-filled thermoplastic, UL94V-0 |
| Shell: Steel, Tin plated                     |

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,92 |
| 15             | 39,10 | 33,32 | 25,25 |
| 25             | 53,09 | 47,04 | 38,96 |
| 37             | 69,40 | 63,50 | 55,42 |



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L717SDE09P1ACH4F                      | L777SDE09P1ACH4F                        | L717SDE09P1ACH4FC309                    |
|                | M3             | L717SDE09P1ACH3F                      | L777SDE09P1ACH3F                        | L717SDE09P1ACH3FC309                    |
| 15             | UNC #4-40      | L717SDA15P1ACH4F                      | L777SDA15P1ACH4F                        | L717SDA15P1ACH4FC309                    |
|                | M3             | L717SDA15P1ACH3F                      | L777SDA15P1ACH3F                        | L717SDA15P1ACH3FC309                    |
| 25             | UNC #4-40      | L717SDB25P1ACH4F                      | L777SDB25P1ACH4F                        | L717SDB25P1ACH4FC309                    |
|                | M3             | L717SDB25P1ACH3F                      | L777SDB25P1ACH3F                        | L717SDB25P1ACH3FC309                    |
| 37             | UNC #4-40      | L717SDC37P1ACH4F                      | L777SDC37P1ACH4F                        | L717SDC37P1ACH4FC309                    |
|                | M3             | L717SDC37P1ACH3F                      | L777SDC37P1ACH3F                        | L717SDC37P1ACH3FC309                    |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE RIGHT ANGLE EUROPE FOOTPRINT SCREWLOCKS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 5A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

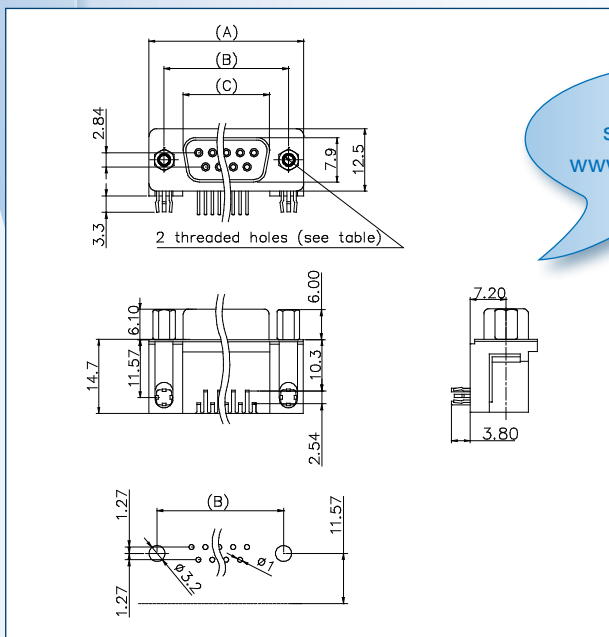
Contact: Bronze

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 9              | 30,89 | 24,99 | 16,33 |
| 15             | 39,10 | 33,32 | 24,66 |
| 25             | 53,09 | 47,04 | 38,38 |
| 37             | 69,40 | 63,50 | 54,84 |



For detailed  
specifications check  
[www.amphenolinfocom.eu](http://www.amphenolinfocom.eu)

### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 μm Gold ) | Performance Level 1<br>( 0,76 μm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 9              | UNC #4-40      | L77SDE09S1ACH4F                       | L177SDE09S1ACH4F                        | L77SDE09S1ACH4FC309                     |
|                | M3             | L77SDE09S1ACH3F                       | L177SDE09S1ACH3F                        | L77SDE09S1ACH3FC309                     |
| 15             | UNC #4-40      | L77SDA15S1ACH4F                       | L177SDA15S1ACH4F                        | L77SDA15S1ACH4FC309                     |
|                | M3             | L77SDA15S1ACH3F                       | L177SDA15S1ACH3F                        | L77SDA15S1ACH3FC309                     |
| 25             | UNC #4-40      | L77SDB25S1ACH4F                       | L177SDB25S1ACH4F                        | L77SDB25S1ACH4FC309                     |
|                | M3             | L77SDB25S1ACH3F                       | L177SDB25S1ACH3F                        | L77SDB25S1ACH3FC309                     |
| 37             | UNC #4-40      | L77SDC37S1ACH4F                       | L177SDC37S1ACH4F                        | L77SDC37S1ACH4FC309                     |
|                | M3             | L77SDC37S1ACH3F                       | L177SDC37S1ACH3F                        | L77SDC37S1ACH3FC309                     |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG SOLDER CUP



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

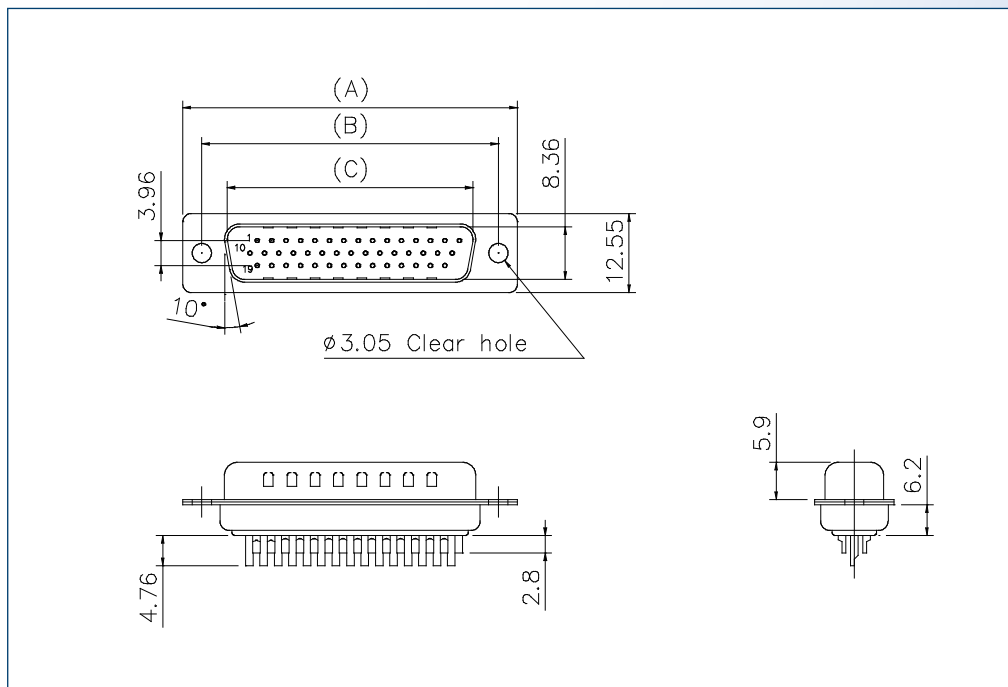
Contact: Brass

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 15             | 30,89 | 24,99 | 16,92 |
| 26             | 39,10 | 33,32 | 25,25 |
| 44             | 53,09 | 47,04 | 38,96 |
| 62             | 69,40 | 63,50 | 55,42 |



### Part Numbers :

| Nb of Contacts | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 15             | L717HDE15P                            | L777HDE15P                              | L717HDE15PC309                          |
| 26             | L717HDA26P                            | L777HDA26P                              | L717HDA26PC309                          |
| 44             | L717HDB44P                            | L777HDB44P                              | L717HDB44PC309                          |
| 62             | L717HDC62P                            | L777HDC62P                              | L717HDC62PC309                          |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE SOLDER CUP



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

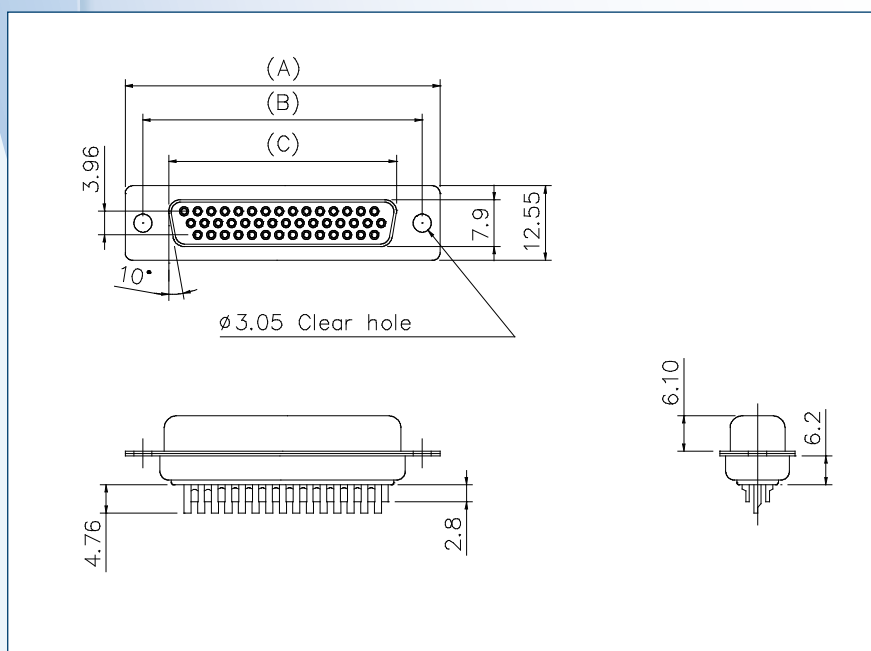
Contact: Bronze

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 15             | 30,89 | 24,99 | 16,33 |
| 26             | 39,10 | 33,32 | 24,66 |
| 44             | 53,09 | 47,04 | 38,38 |
| 62             | 69,40 | 63,50 | 54,84 |



### Part Numbers :

| Nb of Contacts | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 15             | L77HDE15S                             | L177HDE15S                              | L77HDE15SC309                           |
| 26             | L77HDA26S                             | L177HDA26S                              | L77HDA26SC309                           |
| 44             | L77HDB44S                             | L177HDB44S                              | L77HDB44SC309                           |
| 62             | L77HDC62S                             | L177HDC62S                              | L77HDC62SC309                           |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG CRIMP



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

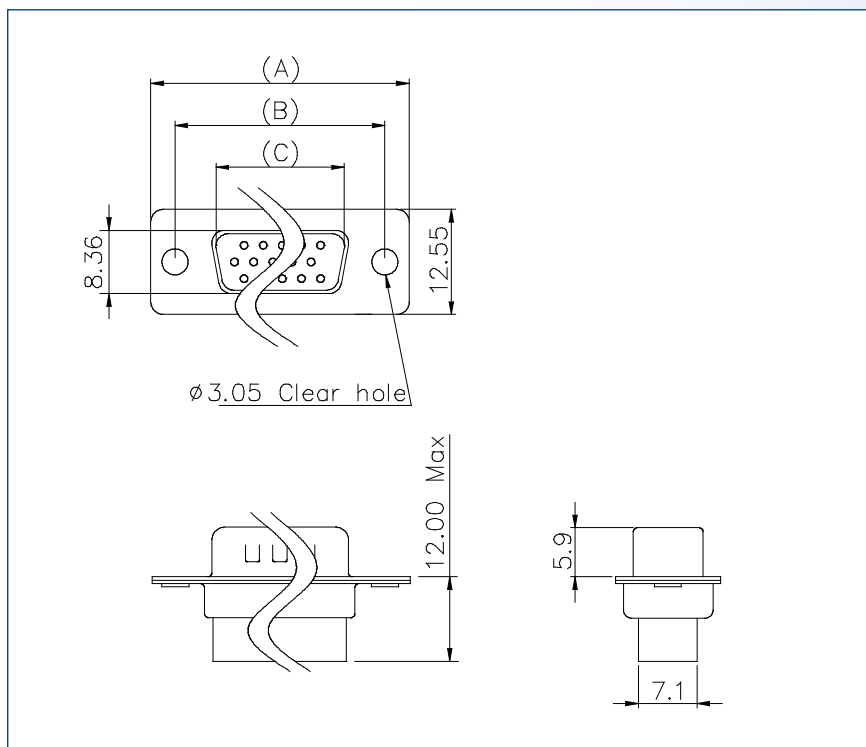
### Materials:

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 15             | 30,89 | 24,99 | 16,92 |
| 26             | 39,10 | 33,32 | 25,25 |
| 44             | 53,09 | 47,04 | 38,96 |
| 62             | 69,40 | 63,50 | 55,42 |



### Part Numbers :

| Nb of Contacts | Part Number |
|----------------|-------------|
| 15             | L777HRE15P  |
| 26             | L777HRA26P  |
| 44             | L777HRB44P  |
| 62             | L777HRC62P  |

## RECEPTACLE CRIMP



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

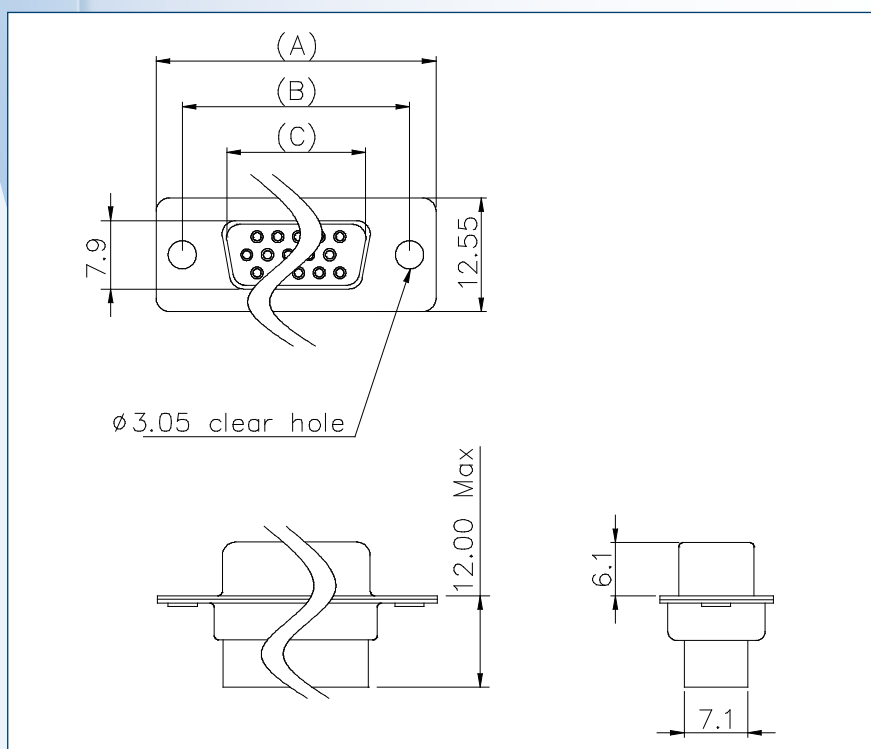
### Materials:

Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 15             | 30,89 | 24,99 | 16,33 |
| 26             | 39,10 | 33,32 | 24,66 |
| 44             | 53,09 | 47,04 | 38,38 |
| 62             | 69,40 | 63,50 | 54,84 |



### Part Numbers :

| Nb of Contacts | Part Number |
|----------------|-------------|
| 15             | L177HRE15S  |
| 26             | L177HRA26S  |
| 44             | L177HRB44S  |
| 62             | L177HRC62S  |

## MALE CRIMP CONTACT

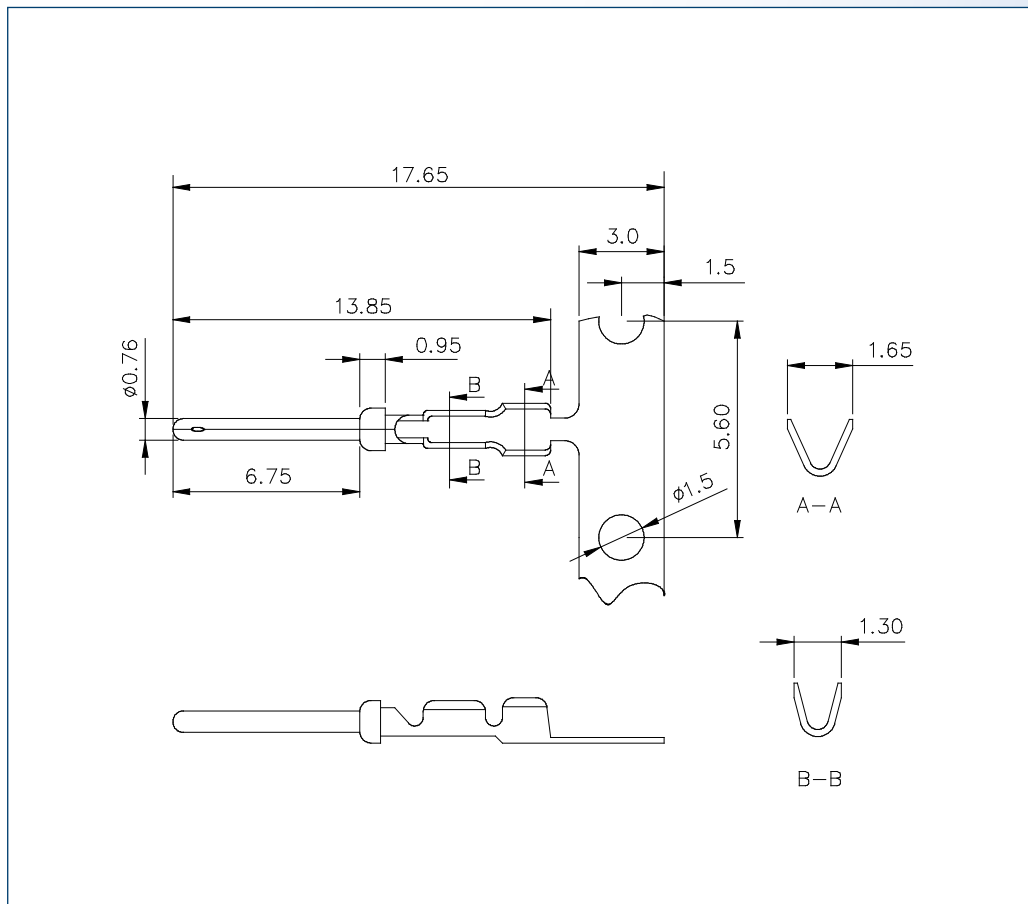


### Specifications:

Wire gage: AWG 24-28, solid or stranded wires

### Material:

Brass



### Part Numbers :

| Packaging            | Plating   | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------------|-----------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| reel of<br>5000 cts  | Full Gold | L17HRD2M015K                          | L17HRD2M025K                            | L17HRD2M045K                            |
|                      | Selective | L17HRD2M115K                          | L17HRD2M125K                            | L17HRD2M145K                            |
| reel of<br>10000 cts | Full Gold | L17HRD2M0110K                         | L17HRD2M0210K                           | L17HRD2M0410K                           |
|                      | Selective | L17HRD2M1110K                         | L17HRD2M1210K                           | L17HRD2M1410K                           |

Performance levels as per DIN 41 652/IEC 807-3

Wire gage: AWG 24-28, solid or stranded wires

## Bronze



Performance levels as per DIN 41 652/IEC 807-3

## PLUG STRAIGHT PCB – REAR INSERTS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

Contact: Brass

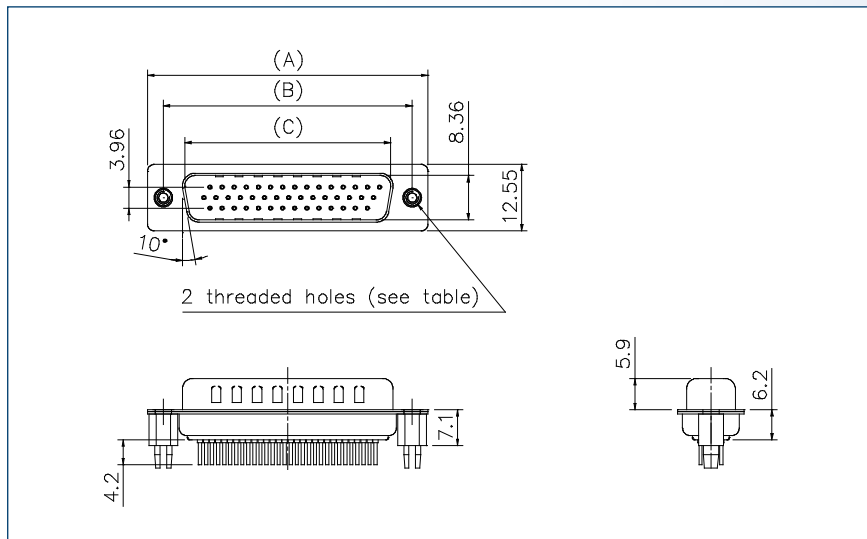
Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 15             | 30,89 | 24,99 | 16,92 |
| 26             | 39,10 | 33,32 | 25,25 |
| 44             | 53,09 | 47,04 | 38,96 |
| 62             | 69,40 | 63,50 | 55,42 |

See page 42 for PCB Layout

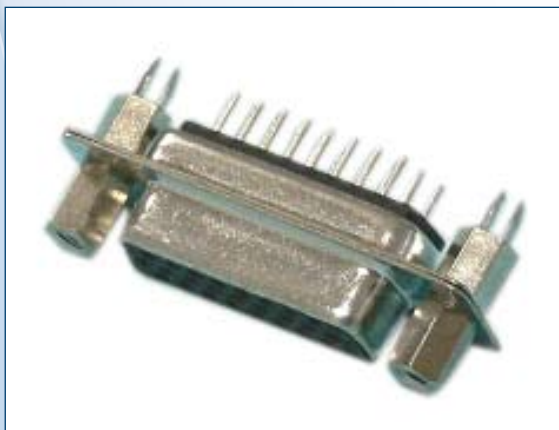


### Part Numbers :

| Nb of Contacts | Theaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|---------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 15             | UNC #4-40     | L717HDEH15POL2RM5                     | L777HDEH15POL2RM5                       | L717HDEH15POL2RM5C309                   |
|                | M3            | L717HDEG15POL2RM5                     | L777HDEG15POL2RM5                       | L717HDEG15POL2RM5C309                   |
| 26             | UNC #4-40     | L717HDAH26POL2RM5                     | L777HDAH26POL2RM5                       | L717HDAH26POL2RM5C309                   |
|                | M3            | L717HDAG26POL2RM5                     | L777HDAG26POL2RM5                       | L717HDAG26POL2RM5C309                   |
| 44             | UNC #4-40     | L717HDBH44POL2RM5                     | L777HDBH44POL2RM5                       | L717HDBH44POL2RM5C309                   |
|                | M3            | L717HDBG44POL2RM5                     | L777HDBG44POL2RM5                       | L717HDBG44POL2RM5C309                   |
| 62             | UNC #4-40     | L717HDCH62POL2RM5                     | L777HDCH62POL2RM5                       | L717HDCH62POL2RM5C309                   |
|                | M3            | L717HDCG62POL2RM5                     | L777HDCG62POL2RM5                       | L717HDCG62POL2RM5C309                   |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE STRAIGHT PCB – REAR INSERTS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

Contact: Bronze

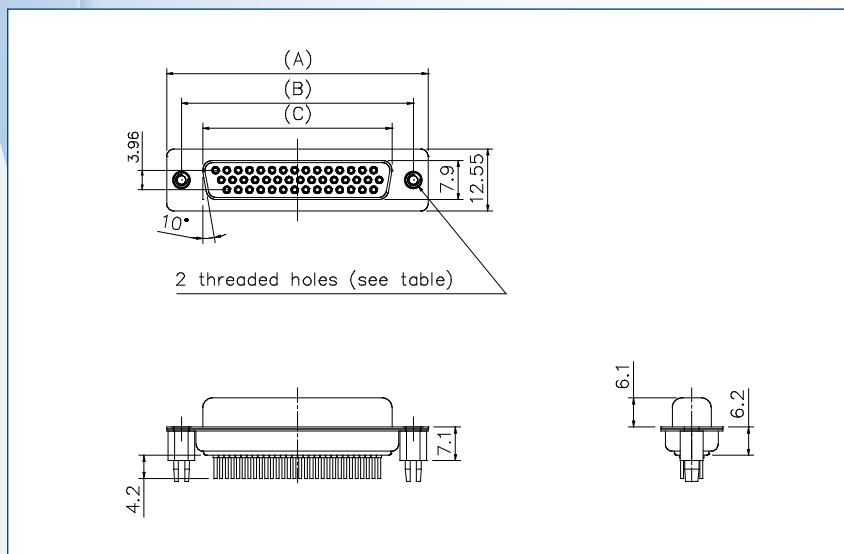
Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 15             | 30,89 | 24,99 | 16,33 |
| 26             | 39,10 | 33,32 | 24,66 |
| 44             | 53,09 | 47,04 | 38,38 |
| 62             | 69,40 | 63,50 | 54,84 |

See page 42 for PCB Layout



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 15             | UNC #4-40      | L77HDEH15SOL2RM5                      | L177HDEH15SOL2RM5                       | L77HDEH15SOL2RM5C309                    |
|                | M3             | L77HDEG15SOL2RM5                      | L177HDEG15SOL2RM5                       | L77HDEG15SOL2RM5C309                    |
| 26             | UNC #4-40      | L77HDAH26SOL2RM5                      | L177HDAH26SOL2RM5                       | L77HDAH26SOL2RM5C309                    |
|                | M3             | L77HDAG26SOL2RM5                      | L177HDAG26SOL2RM5                       | L77HDAG26SOL2RM5C309                    |
| 44             | UNC #4-40      | L77HDBH44SOL2RM5                      | L177HDBH44SOL2RM5                       | L77HDBH44SOL2RM5C309                    |
|                | M3             | L77HDBG44SOL2RM5                      | L177HDBG44SOL2RM5                       | L77HDBG44SOL2RM5C309                    |
| 62             | UNC #4-40      | L77HDCH62SOL2RM5                      | L177HDCH62SOL2RM5                       | L77HDCH62SOL2RM5C309                    |
|                | M3             | L77HDCG62SOL2RM5                      | L177HDCG62SOL2RM5                       | L77HDCG62SOL2RM5C309                    |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG STRAIGHT PCB – FRONT SCREWLOCKS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

Contact: Brass

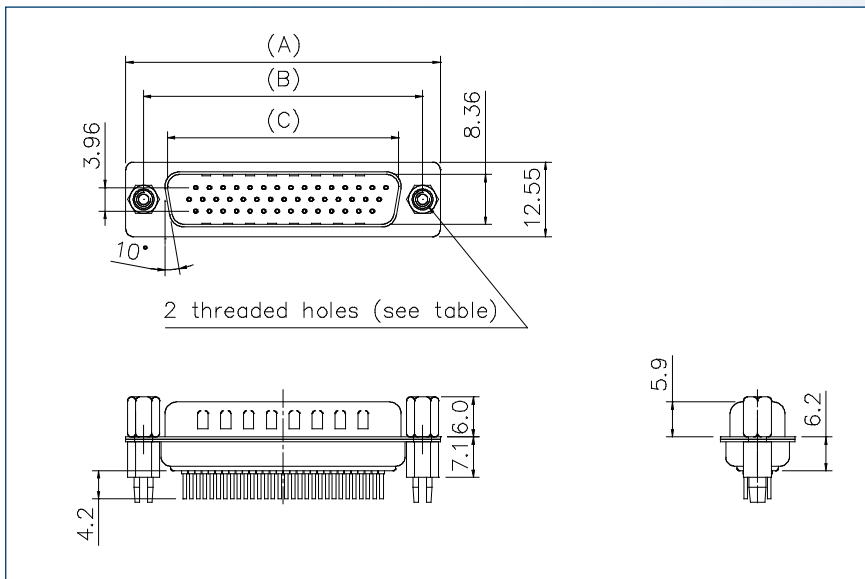
Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 15             | 30,89 | 24,99 | 16,92 |
| 26             | 39,10 | 33,32 | 25,25 |
| 44             | 53,09 | 47,04 | 38,96 |
| 62             | 69,40 | 63,50 | 55,42 |

See page 42 for PCB Layout



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 15             | UNC #4-40      | L717HDEH15POL2RM8                     | L777HDEH15POL2RM8                       | L717HDEH15POL2RM8C309                   |
|                | M3             | L717HDEG15POL2RM8                     | L777HDEG15POL2RM8                       | L717HDEG15POL2RM8C309                   |
| 26             | UNC #4-40      | L717HDAH26POL2RM8                     | L777HDAH26POL2RM8                       | L717HDAH26POL2RM8C309                   |
|                | M3             | L717HDAG26POL2RM8                     | L777HDAG26POL2RM8                       | L717HDAG26POL2RM8C309                   |
| 44             | UNC #4-40      | L717HDBH44POL2RM8                     | L777HDBH44POL2RM8                       | L717HDBH44POL2RM8C309                   |
|                | M3             | L717HDBG44POL2RM8                     | L777HDBG44POL2RM8                       | L717HDBG44POL2RM8C309                   |
| 62             | UNC #4-40      | L717HDCH62POL2RM8                     | L777HDCH62POL2RM8                       | L717HDCH62POL2RM8C309                   |
|                | M3             | L717HDCG62POL2RM8                     | L777HDCG62POL2RM8                       | L717HDCG62POL2RM8C309                   |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE STRAIGHT PCB – FRONT SCREWLOCKS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

Contact: Bronze

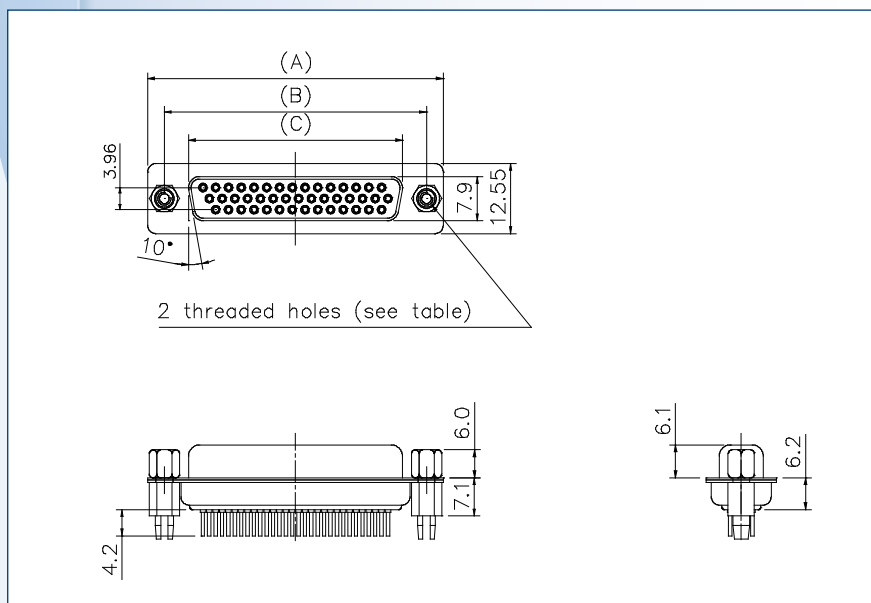
Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 15             | 30,89 | 24,99 | 16,33 |
| 26             | 39,10 | 33,32 | 24,66 |
| 44             | 53,09 | 47,04 | 38,38 |
| 62             | 69,40 | 63,50 | 54,84 |

See page 42 for PCB Layout



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 15             | UNC #4-40      | L77HDEH15SOL2RM8                      | L177HDEH15SOL2RM8                       | L77HDEH15SOL2RM8C309                    |
|                | M3             | L77HDEG15SOL2RM8                      | L177HDEG15SOL2RM8                       | L77HDEG15SOL2RM8C309                    |
| 26             | UNC #4-40      | L77HDAH26SOL2RM8                      | L177HDAH26SOL2RM8                       | L77HDAH26SOL2RM8C309                    |
|                | M3             | L77HDAG26SOL2RM8                      | L177HDAG26SOL2RM8                       | L77HDAG26SOL2RM8C309                    |
| 44             | UNC #4-40      | L77HDBH44SOL2RM8                      | L177HDBH44SOL2RM8                       | L77HDBH44SOL2RM8C309                    |
|                | M3             | L77HDBG44SOL2RM8                      | L177HDBG44SOL2RM8                       | L77HDBG44SOL2RM8C309                    |
| 62             | UNC #4-40      | L77HDCH62SOL2RM8                      | L177HDCH62SOL2RM8                       | L77HDCH62SOL2RM8C309                    |
|                | M3             | L77HDCG62SOL2RM8                      | L177HDCG62SOL2RM8                       | L77HDCG62SOL2RM8C309                    |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG RIGHT ANGLE – REAR INSERTS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

Contact: Brass

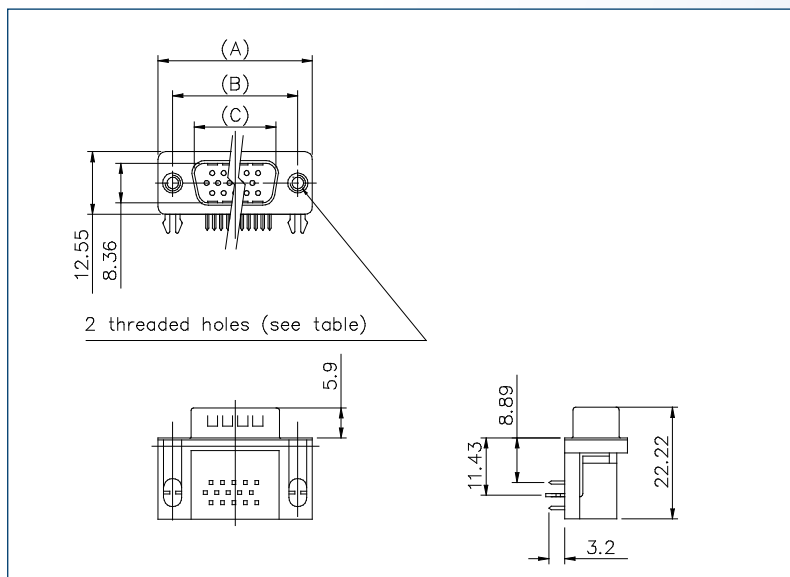
Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 15             | 30,89 | 24,99 | 16,92 |
| 26             | 39,10 | 33,32 | 25,25 |
| 44             | 53,09 | 47,04 | 38,96 |
| 62             | 69,40 | 63,50 | 55,42 |

See page 42 for PCB Layout



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 μm Gold ) | Performance Level 1<br>( 0,76 μm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 15             | UNC #4-40      | L717HDE15PD1CH4R                      | L777HDE15PD1CH4R                        | L717HDE15PD1CH4RC309                    |
|                | M3             | L717HDE15PD1CH3R                      | L777HDE15PD1CH3R                        | L717HDE15PD1CH3RC309                    |
| 26             | UNC #4-40      | L717HDA26PD1CH4R                      | L777HDA26PD1CH4R                        | L717HDA26PD1CH4RC309                    |
|                | M3             | L717HDA26PD1CH3R                      | L777HDA26PD1CH3R                        | L717HDA26PD1CH3RC309                    |
| 44             | UNC #4-40      | L717HDB44PD1CH4R                      | L777HDB44PD1CH4R                        | L717HDB44PD1CH4RC309                    |
|                | M3             | L717HDB44PD1CH3R                      | L777HDB44PD1CH3R                        | L717HDB44PD1CH3RC309                    |
| 62             | UNC #4-40      | L717HDC62PD1CH4R                      | L777HDC62PD1CH4R                        | L717HDC62PD1CH4RC309                    |
|                | M3             | L717HDC62PD1CH3R                      | L777HDC62PD1CH3R                        | L717HDC62PD1CH3RC309                    |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE RIGHT ANGLE – REAR INSERTS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

Contact: Bronze

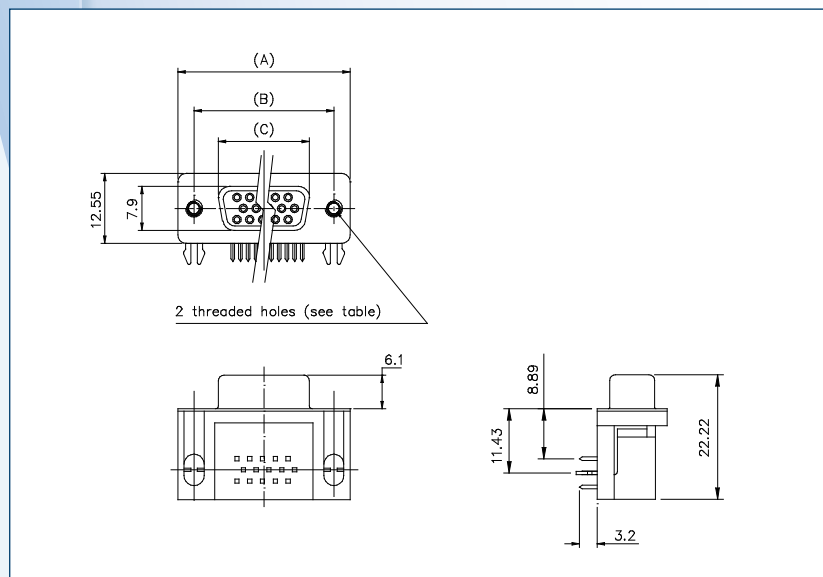
Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 15             | 30,89 | 24,99 | 16,33 |
| 26             | 39,10 | 33,32 | 24,66 |
| 44             | 53,09 | 47,04 | 38,38 |
| 62             | 69,40 | 63,50 | 54,84 |

See page 42 for PCB Layout



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 15             | UNC #4-40      | L77HDE15SD1CH4R                       | L177HDE15SD1CH4R                        | L77HDE15SD1CH4RC309                     |
|                | M3             | L77HDE15SD1CH3R                       | L177HDE15SD1CH3R                        | L77HDE15SD1CH3RC309                     |
| 26             | UNC #4-40      | L77HDA26SD1CH4R                       | L177HDA26SD1CH4R                        | L77HDA26SD1CH4RC309                     |
|                | M3             | L77HDA26SD1CH3R                       | L177HDA26SD1CH3R                        | L77HDA26SD1CH3RC309                     |
| 44             | UNC #4-40      | L77HDB44SD1CH4R                       | L177HDB44SD1CH4R                        | L77HDB44SD1CH4RC309                     |
|                | M3             | L77HDB44SD1CH3R                       | L177HDB44SD1CH3R                        | L77HDB44SD1CH3RC309                     |
| 62             | UNC #4-40      | L77HDC62SD1CH4R                       | L177HDC62SD1CH4R                        | L77HDC62SD1CH4RC309                     |
|                | M3             | L77HDC62SD1CH3R                       | L177HDC62SD1CH3R                        | L77HDC62SD1CH3RC309                     |

Performance levels as per DIN 41 652/IEC 807-3

## PLUG RIGHT ANGLE – FRONT SCREWLOCKS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

Contact: Brass

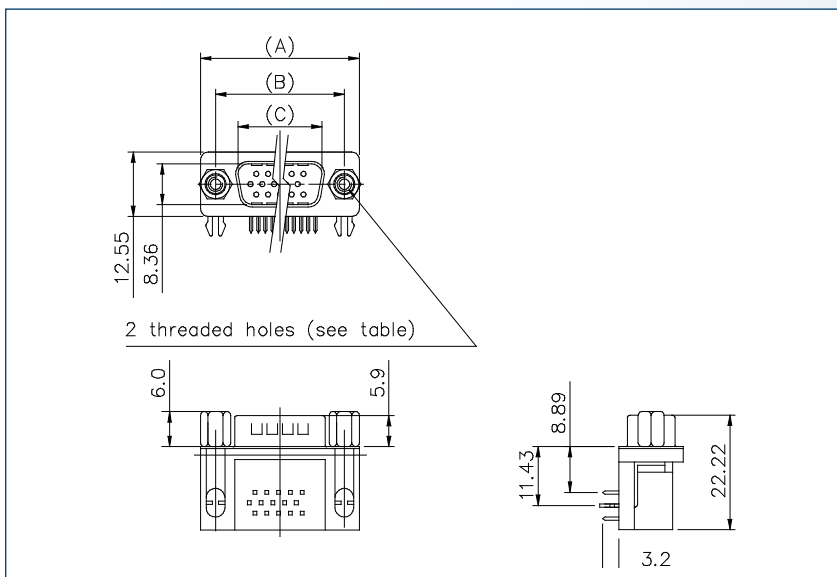
Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 15             | 30,89 | 24,99 | 16,92 |
| 26             | 39,10 | 33,32 | 25,25 |
| 44             | 53,09 | 47,04 | 38,96 |
| 62             | 69,40 | 63,50 | 55,42 |

See page 42 for PCB Layout



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 15             | UNC #4-40      | L717HDE15PD1CH4F                      | L777HDE15PD1CH4F                        | L717HDE15PD1CH4FC309                    |
|                | M3             | L717HDE15PD1CH3F                      | L777HDE15PD1CH3F                        | L717HDE15PD1CH3FC309                    |
| 26             | UNC #4-40      | L717HDA26PD1CH4F                      | L777HDA26PD1CH4F                        | L717HDA26PD1CH4FC309                    |
|                | M3             | L717HDA26PD1CH3F                      | L777HDA26PD1CH3F                        | L717HDA26PD1CH3FC309                    |
| 44             | UNC #4-40      | L717HDB44PD1CH4F                      | L777HDB44PD1CH4F                        | L717HDB44PD1CH4FC309                    |
|                | M3             | L717HDB44PD1CH3F                      | L777HDB44PD1CH3F                        | L717HDB44PD1CH3FC309                    |
| 62             | UNC #4-40      | L717HDC62PD1CH4F                      | L777HDC62PD1CH4F                        | L717HDC62PD1CH4FC309                    |
|                | M3             | L717HDC62PD1CH3F                      | L777HDC62PD1CH3F                        | L717HDC62PD1CH3FC309                    |

Performance levels as per DIN 41 652/IEC 807-3

## RECEPTACLE RIGHT ANGLE – FRONT SCREWLOCKS



### Specifications:

Contact Resistance: 20 mΩ Max

Insulator Resistance: 1000 MΩ Min at 500V DC

Current Rating: 3A

Dielectric Withstanding Voltage: 1000V AC for 1 minute

Operating Temperature: -55°C to +105°C

### Materials:

Contact: Bronze

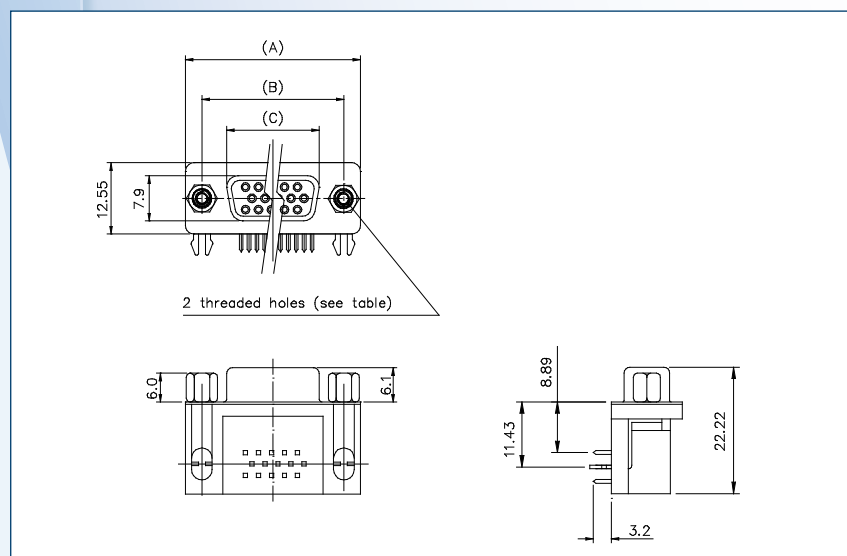
Housing: Glass-filled thermoplastic, UL94V-0

Shell: Steel, Tin plated

### Dimensions:

| Nb of Contacts | A     | B     | C     |
|----------------|-------|-------|-------|
| 15             | 30,89 | 24,99 | 16,33 |
| 26             | 39,10 | 33,32 | 24,66 |
| 44             | 53,09 | 47,04 | 38,38 |
| 62             | 69,40 | 63,50 | 54,84 |

See page 42 for PCB Layout



### Part Numbers :

| Nb of Contacts | Threaded holes | Performance Level 3<br>( flash Gold ) | Performance Level 2<br>( 0,38 µm Gold ) | Performance Level 1<br>( 0,76 µm Gold ) |
|----------------|----------------|---------------------------------------|-----------------------------------------|-----------------------------------------|
| 15             | UNC #4-40      | L77HDE15SD1CH4F                       | L177HDE15SD1CH4F                        | L77HDE15SD1CH4FC309                     |
|                | M3             | L77HDE15SD1CH3F                       | L177HDE15SD1CH3F                        | L77HDE15SD1CH3FC309                     |
| 26             | UNC #4-40      | L77HDA26SD1CH4F                       | L177HDA26SD1CH4F                        | L77HDA26SD1CH4FC309                     |
|                | M3             | L77HDA26SD1CH3F                       | L177HDA26SD1CH3F                        | L77HDA26SD1CH3FC309                     |
| 44             | UNC #4-40      | L77HDB44SD1CH4F                       | L177HDB44SD1CH4F                        | L77HDB44SD1CH4FC309                     |
|                | M3             | L77HDB44SD1CH3F                       | L177HDB44SD1CH3F                        | L77HDB44SD1CH3FC309                     |
| 62             | UNC #4-40      | L77HDC62SD1CH4F                       | L177HDC62SD1CH4F                        | L77HDC62SD1CH4FC309                     |
|                | M3             | L77HDC62SD1CH3F                       | L177HDC62SD1CH3F                        | L77HDC62SD1CH3FC309                     |

Performance levels as per DIN 41 652/IEC 807-3

## PLASTIC HOOD – TOP ENTRY



### Specifications:

Snap-in hood

UNC #4-40 jackscrews

Metallic cable clamp

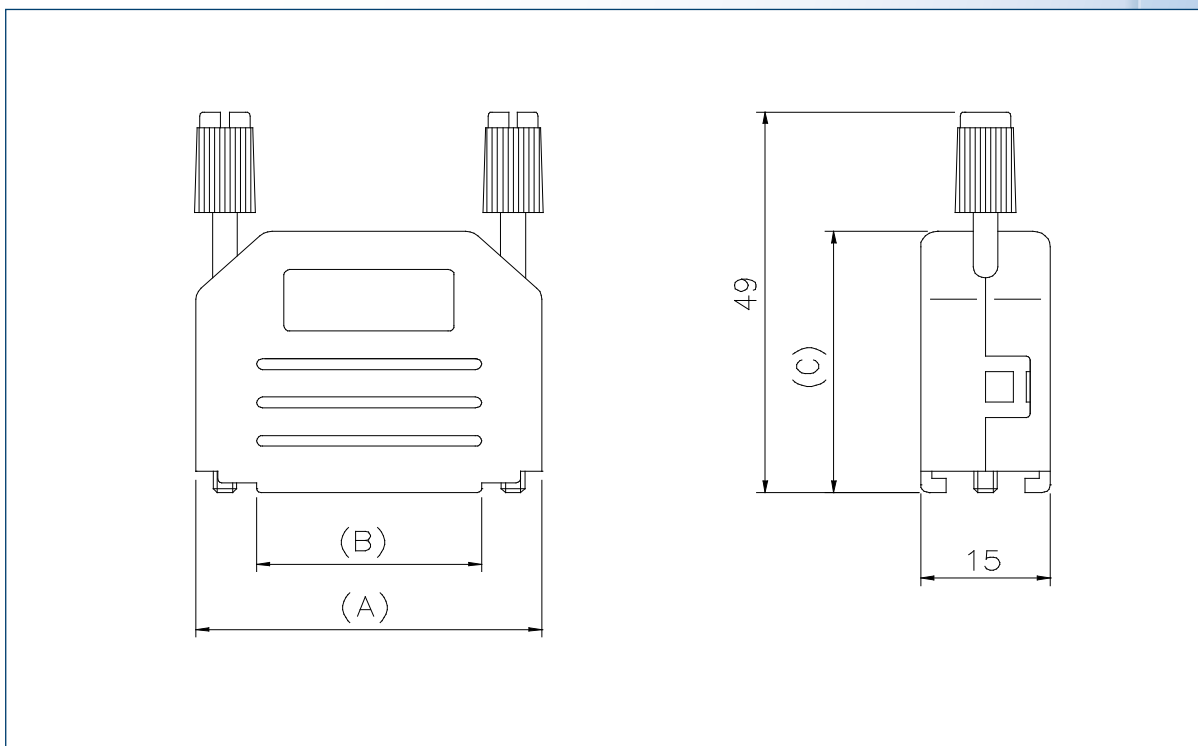
Cable diameter: up to 11,5 mm

### Materials:

Black thermoplastic UL rated

### Dimensions:

| Size | A    | B    | C    |
|------|------|------|------|
| 9    | 31,5 | 18,0 | 34,0 |
| 15   | 40,0 | 26,0 | 34,0 |
| 25   | 53,5 | 28,0 | 40,0 |
| 37   | 67,5 | 55,0 | 40,0 |



### Part Numbers :

| Size | Part Number |
|------|-------------|
| 9    | L17DPPK09JS |
| 15   | L17DPPK15JS |
| 25   | L17DPPK25JS |
| 37   | L17DPPK37JS |

## PLASTIC HOOD – SIDE ENTRY



### Specifications:

Snap-in hood

UNC #4-40 jackscrews

Metallic cable clamp

Cable diameter: up to 11,5 mm

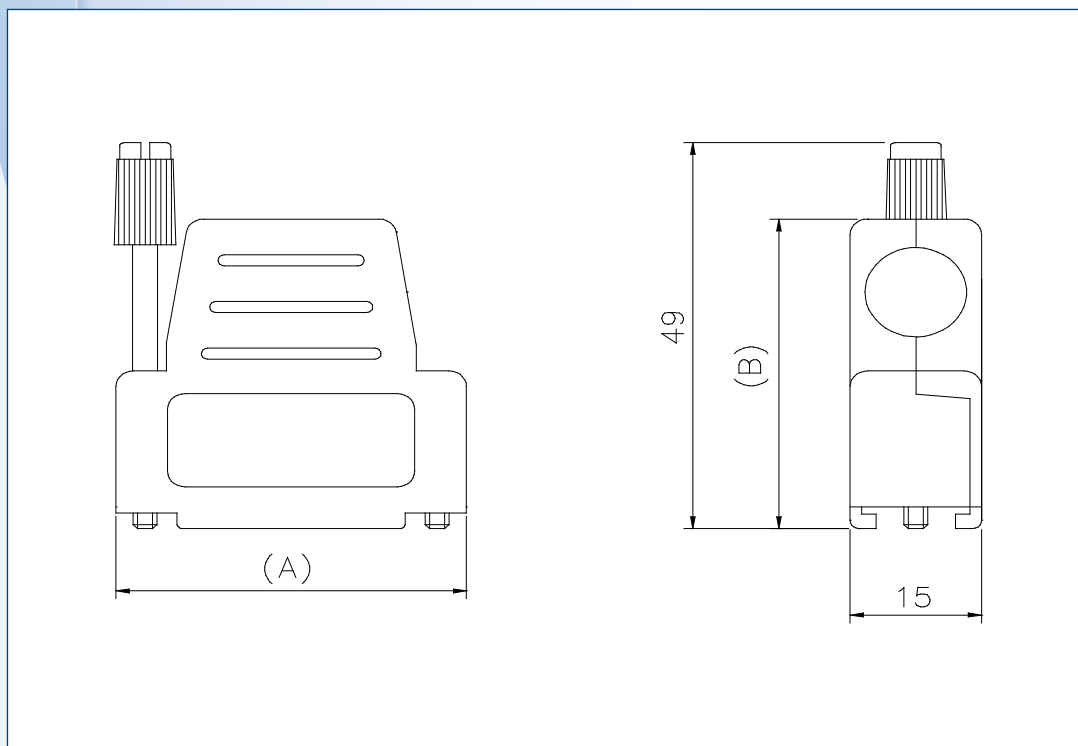
Attenuation factor: >40 dB between 30 MHz and 1 GHz

### Materials:

Metallized thermoplastic UL rated

### Dimensions:

| Size | A    | B    |
|------|------|------|
| 9    | 31,5 | 40,0 |
| 15   | 40,0 | 40,0 |
| 25   | 53,5 | 43,0 |
| 37   | 71,3 | 40,0 |



### Part Numbers :

| Size | Part Number |
|------|-------------|
| 9    | L17DSSK09TP |
| 15   | L17DSSK15TP |
| 25   | L17DSSK25TP |
| 37   | L17DSSK37TP |

## PLASTIC METALLIZED HOOD – TOP ENTRY



### Specifications:

2 piece screwed hood

UNC #4-40 jackscrews

Cable diameter: 4 to 13 mm

Attenuation factor: >40 dB between 30 MHz and 1 GHz

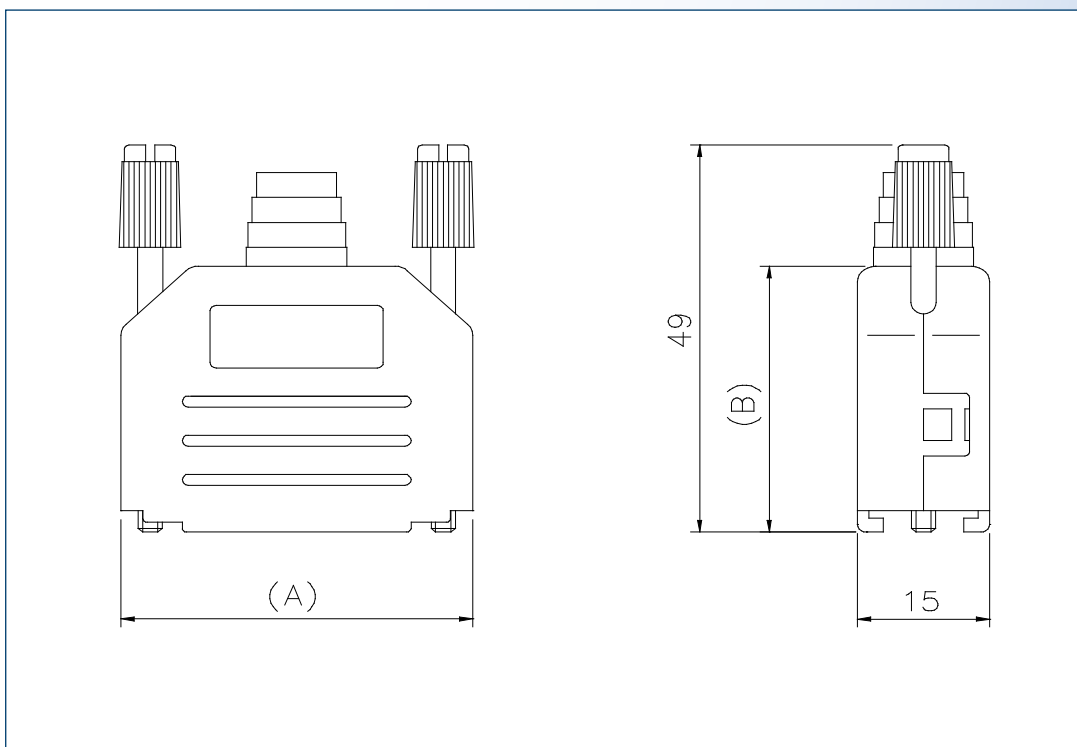
### Materials:

Shells: Die cast zinc, nickel plated

Cable strainrelief: steel fiber reinforced thermoplastic

### Dimensions:

| Size | A    | B    |
|------|------|------|
| 9    | 32,5 | 38,0 |
| 15   | 41,0 | 38,0 |
| 25   | 54,5 | 40,0 |
| 37   | 71,0 | 40,0 |



### Part Numbers :

| Size | Part Number |
|------|-------------|
| 9    | L17DPPK09TM |
| 15   | L17DPPK15TM |
| 25   | L17DPPK25TM |
| 37   | L17DPPK37TM |

## PLASTIC METALLIZED HOOD – SIDE ENTRY



### Specifications:

Snap-in hood

UNC #4-40 jackscrews

Metallic cable clamp

Cable diameter: up to 11,5 mm

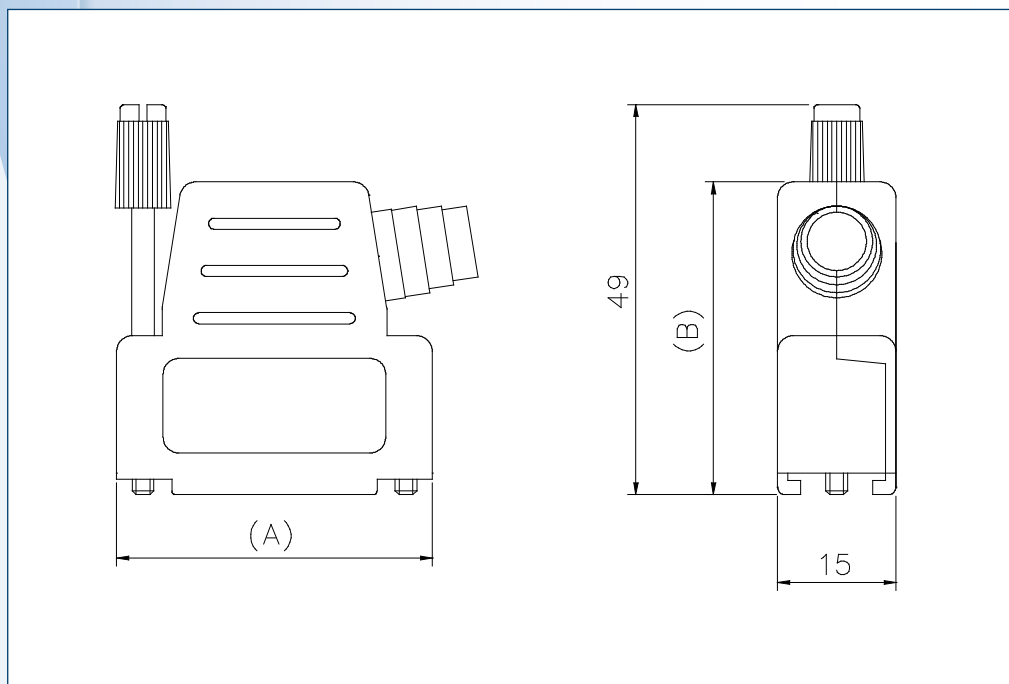
Attenuation factor: >40 dB between 30 MHz and 1 GHz

### Materials:

Metallized thermoplastic UL rated

### Dimensions:

| Size | A    | B    |
|------|------|------|
| 9    | 31,5 | 40,0 |
| 15   | 40,0 | 40,0 |
| 25   | 53,5 | 43,0 |
| 37   | 71,3 | 40,0 |



### Part Numbers :

| Size | Part Number |
|------|-------------|
| 9    | L17DSSK09TM |
| 15   | L17DSSK15TM |
| 25   | L17DSSK25TM |
| 37   | L17DSSK37TM |

## METALLIC HOOD – TOP ENTRY



### Specifications:

2 piece screwed hood

UNC #4-40 jackscrews

Cable diameter: 4 to 13 mm

Attenuation factor: >40 dB between 30 MHz and 1 GHz

### Materials:

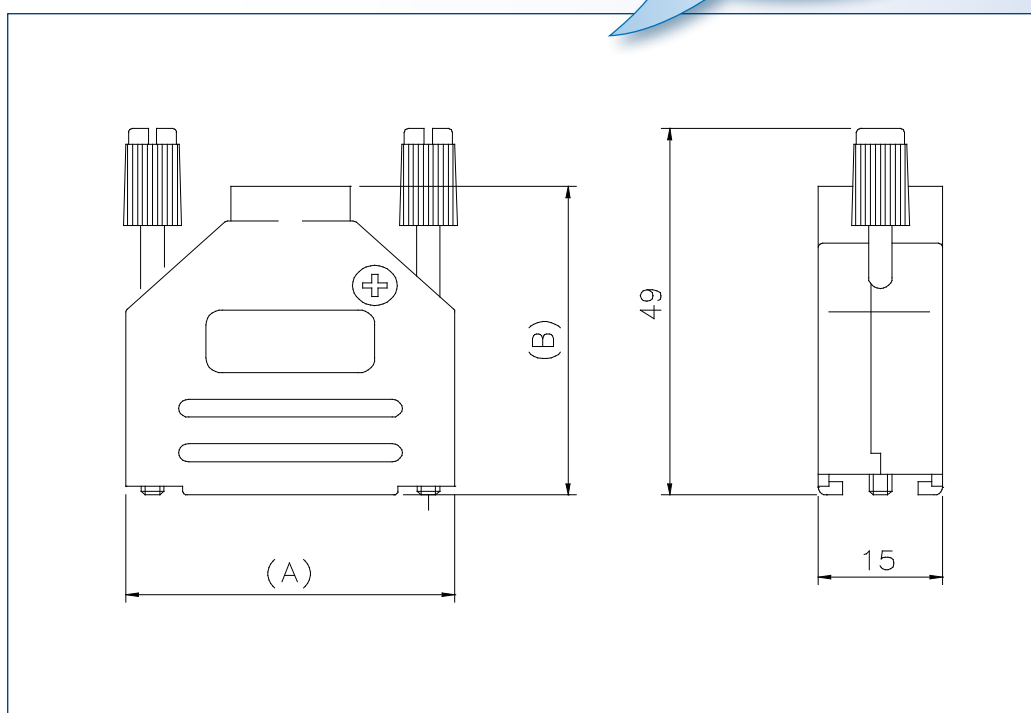
Shells: Die cast zinc, nickel plated

Cable strainrelief: steel fiber reinforced thermoplastic

### Dimensions:

| Size | A    | B    |
|------|------|------|
| 9    | 21,0 | 38,3 |
| 15   | 39,5 | 40,5 |
| 25   | 54,4 | 47,3 |
| 37   | 70,9 | 52,2 |

For detailed  
specifications check  
[www.amphenolinfocom.eu](http://www.amphenolinfocom.eu)



### Part Numbers :

| Size | Part Number |
|------|-------------|
| 9    | L17DTZK9K   |
| 15   | L17DTZK15K  |
| 25   | L17DTZK25K  |
| 37   | L17DTZK37K  |

## METALLIC HOOD – SIDE ENTRY



### Specifications:

2 piece screwed hood

UNC #4-40 jackscrews

Cable diameter: 4 to 13 mm

Attenuation factor: >40 dB between 30 MHz and 1 GHz

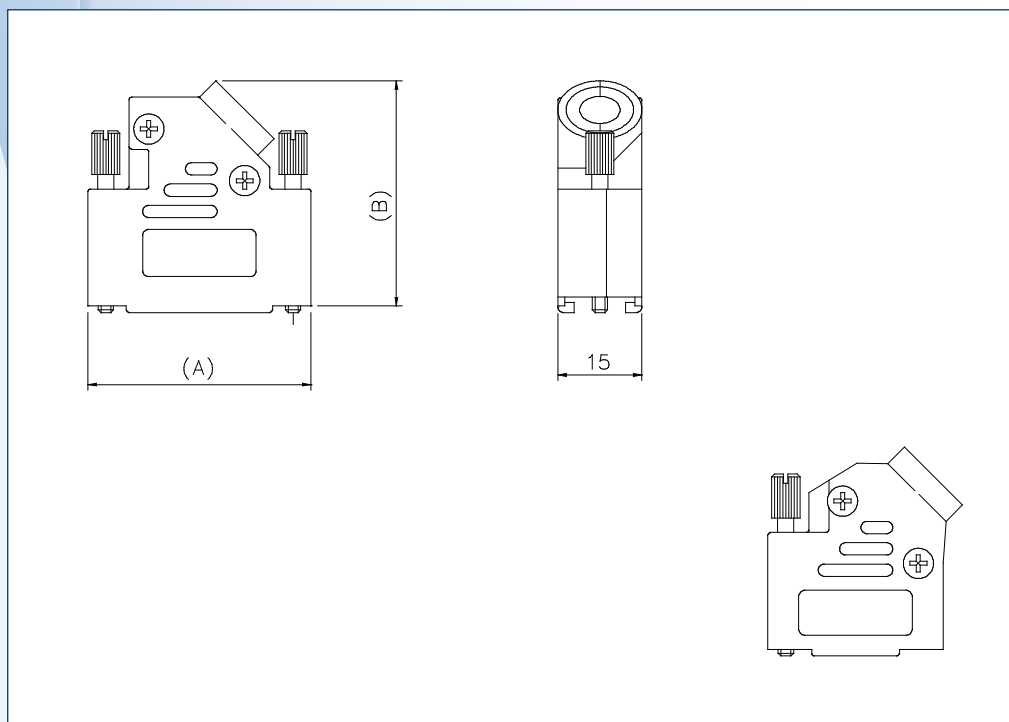
### Materials:

Shells: Die cast zinc, nickel plated

Cable strainrelief: steel fiber reinforced thermoplastic

### Dimensions:

| Size | A    | B    |
|------|------|------|
| 9    | 31,0 | 36,2 |
| 15   | 39,5 | 40,2 |
| 25   | 53,2 | 40,2 |
| 37   | 69,7 | 40,2 |



### Part Numbers :

| Size | Part Number |
|------|-------------|
| 9    | L17DVZK9K   |
| 15   | L17DVZK15K  |
| 25   | L17DVZK25K  |
| 37   | L17DVZK37K  |

## FILTERED D-SUB



## FILTERED D-SUB MALE TO FEMALE ADAPTER



### Specifications:

Contact Resistance: 15 milliohms maximum

Current Rating: 5 Amps DC maximum

Operating Temperature: -40°C to +85°C

### Materials:

Contacts: Phosphor Bronze

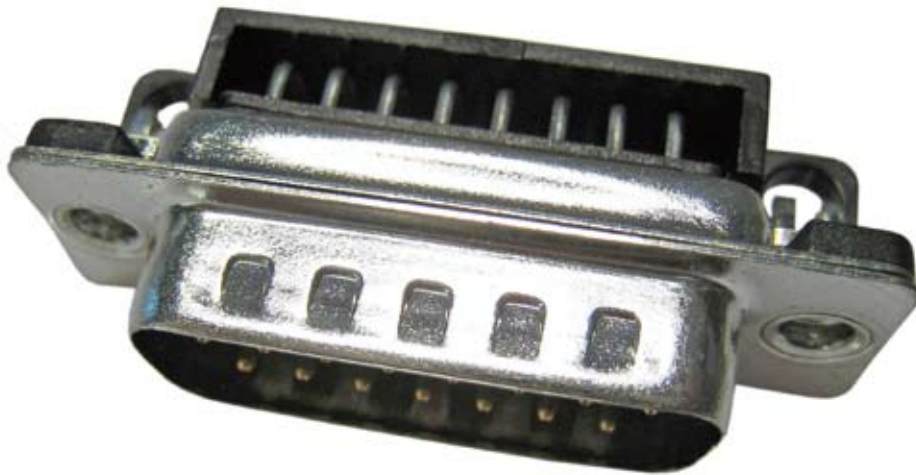
Insulator: Engineering Thermoplastic

Shell: Tin plated steel

### Part Numbers :

| No of contacts | 470 pF filter   | 820 pF filter   | 5600 pF filter  |
|----------------|-----------------|-----------------|-----------------|
| 9              | FCE17-E09AD-210 | FCE17-E09AD-240 | FCE17-E09AD-290 |
| 15             | FCE17-A15AD-210 | FCE17-A15AD-240 | FCE17-A15AD-290 |
| 25             | FCE17-B25AD-210 | FCE17-B25AD-240 | FCE17-B25AD-290 |
| 37             | FCE17-C37AD-210 | FCE17-C37AD-240 | FCE17-C37AD-290 |

## FILTERED D-SUB CONNECTOR PIN RIGHT ANGLE, 8.08 (.318") FOOTPRINT



### Specifications:

|                                             |
|---------------------------------------------|
| Contact Resistance: 15 milliohms maximum    |
| Insulation Resistance: 3000 Megohms minimum |
| Current Rating: 5 Amps DC maximum           |
| Operating Temperature: -40°C to +85°C       |

### Materials:

|                                      |
|--------------------------------------|
| Contacts: Phosphor Bronze            |
| Insulator: Engineering Thermoplastic |
| Shell: Steel, Tin plated             |

### Part Numbers :

| No of contacts | 470 pF filter   | 820 pF filter   |
|----------------|-----------------|-----------------|
| 9              | FCE17-E09PA-410 | FCE17-E09PA-440 |
| 15             | FCE17-A15PA-410 | FCE17-A15PA-440 |
| 25             | FCE17-B25PA-410 | FCE17-B25PA-440 |
| 37             | FCE17-C37PA-410 | FCE17-C37PA-440 |

## FILTERED D-SUB CONNECTOR SOCKET RIGHT ANGLE, 8.08 (.318") FOOTPRINT



### Specifications:

|                                             |
|---------------------------------------------|
| Contact Resistance: 15 milliohms maximum    |
| Insulation Resistance: 3000 Megohms minimum |
| Current Rating: 5 Amps DC maximum           |
| Operating Temperature: -40°C to +85°C       |

### Materials:

|                                      |
|--------------------------------------|
| Contacts: Phosphor Bronze            |
| Insulator: Engineering Thermoplastic |
| Shell: Steel, Tin plated             |

### Part Numbers :

| No of contacts | 470 pF filter   | 820 pF filter   |
|----------------|-----------------|-----------------|
| 9              | FCE17-E09SA-410 | FCE17-E09SA-440 |
| 15             | FCE17-A15SA-410 | FCE17-A15SA-440 |
| 25             | FCE17-B25SA-410 | FCE17-B25SA-440 |
| 37             | FCE17-C37SA-410 | FCE17-C37SA-440 |

## FILTERED D-SUB SOLDER CUP TAILS PIN



### Specifications:

|                                             |
|---------------------------------------------|
| Contact Resistance: 15 milliohms maximum    |
| Insulation Resistance: 3000 Megohms minimum |
| Current Rating: 5 Amps DC maximum           |
| Operating Temperature: -40°C to +85°C       |

### Materials :

|                                                                     |
|---------------------------------------------------------------------|
| Contacts: Phosphor Bronze                                           |
| Insulator: Engineering Thermoplastic<br>(Accepts up to 20 AWG Wire) |
| Shell: Steel, Tin plated                                            |

### Part Numbers :

| No of contacts | 470 pF filter   | 820 pF filter   | 5600 pF filter  |
|----------------|-----------------|-----------------|-----------------|
| 9              | FCE17-E09PM-210 | FCE17-E09PM-240 | FCE17-E09PM-290 |
| 15             | FCE17-A15PM-210 | FCE17-A15PM-240 | FCE17-A15PM-290 |
| 25             | FCE17-B25PM-210 | FCE17-B25PM-240 | FCE17-B25PM-290 |
| 37             | FCE17-C37PM-210 | FCE17-C37PM-240 | FCE17-C37PM-290 |

## FILTERED D-SUB SOLDER CUP TAILS SOCKET



### Specifications:

|                                             |
|---------------------------------------------|
| Contact Resistance: 15 milliohms maximum    |
| Insulation Resistance: 3000 Megohms minimum |
| Current Rating: 5 Amps DC maximum           |
| Operating Temperature: -40°C to +85°C       |

### Materials:

|                                      |
|--------------------------------------|
| Contacts: Phosphor Bronze            |
| Insulator: Engineering Thermoplastic |
| (Accepts up to 20 AWG Wire)          |
| Shell: Steel, Tin plated             |

### Dimensions :

| No of contacts | 470 pF filter   | 820 pF filter   | 5600 pF filter  |
|----------------|-----------------|-----------------|-----------------|
| 9              | FCE17-E09SM-210 | FCE17-E09SM-240 | FCE17-E09SM-290 |
| 15             | FCE17-A15SM-210 | FCE17-A15SM-240 | FCE17-A15SM-290 |
| 25             | FCE17-B25SM-210 | FCE17-B25SM-240 | FCE17-B25SM-290 |
| 37             | FCE17-C37SM-210 | FCE17-C37SM-240 | FCE17-C37SM-290 |

## FILTERED D-SUB VERTICAL MOUNT PCB TAIL PIN



### Specifications:

|                                             |
|---------------------------------------------|
| Contact Resistance: 15 milliohms maximum    |
| Insulation Resistance: 3000 Megohms minimum |
| Current Rating: 5 Amps DC maximum           |
| Operating Temperature: -40°C to +85°C       |

### Materials :

|                                      |
|--------------------------------------|
| Contacts: Phosphor Bronze            |
| Insulator: Engineering Thermoplastic |
| Shell: Steel, Tin plated             |

### Part Numbers :

| No of contacts | 470 pF filter   | 820 pF filter   |
|----------------|-----------------|-----------------|
| 9              | FCE17-E09SE-210 | FCE17-E09SE-240 |
| 15             | FCE17-A15SE-210 | FCE17-A15SE-240 |
| 25             | FCE17-B25SE-210 | FCE17-B25SE-240 |
| 37             | FCE17-C37SE-210 | FCE17-C37SE-240 |

## FILTERED D-SUB VERTICAL MOUNT PCB TAIL SOCKET



### Specifications:

|                                             |
|---------------------------------------------|
| Contact Resistance: 15 milliohms maximum    |
| Insulation Resistance: 3000 Megohms minimum |
| Current Rating: 5 Amps DC maximum           |
| Operating Temperature: -40°C to +85°C       |

### Materials :

|                                      |
|--------------------------------------|
| Contacts: Phosphor Bronze            |
| Insulator: Engineering Thermoplastic |
| Shell: Steel, Tin plated             |

### Part Numbers :

| No of contacts | 470 pF filter   | 820 pF filter   |
|----------------|-----------------|-----------------|
| 9              | FCE17-E09PE-210 | FCE17-E09PE-240 |
| 15             | FCE17-A15PE-210 | FCE17-A15PE-240 |
| 25             | FCE17-B25PE-210 | FCE17-B25PE-240 |
| 37             | FCE17-C37PE-210 | FCE17-C37PE-240 |

## MODULAR JACKS



## RJHSE SERIES RJ45

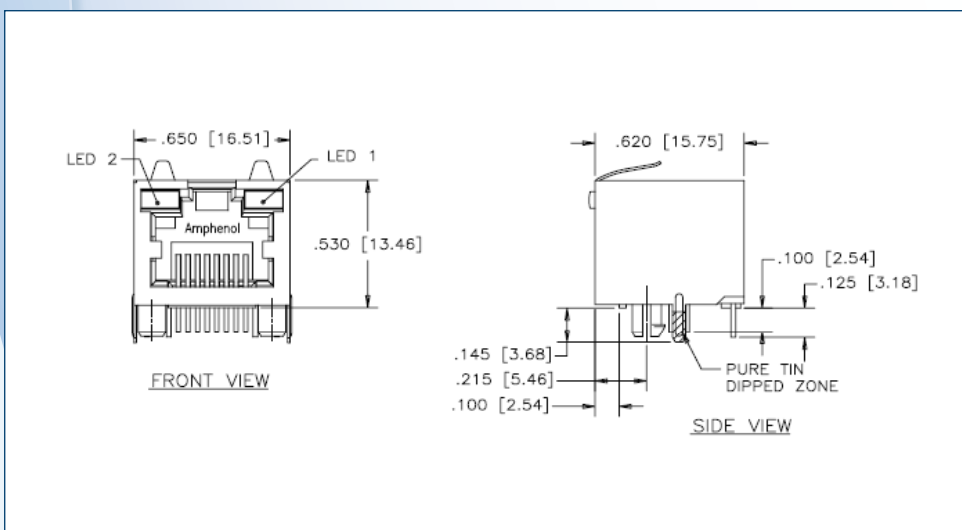


### Specifications:

|                                            |
|--------------------------------------------|
| Contact Resistance: 20 milliohms maximum   |
| Insulation Resistance: 500 Megohms minimum |
| Current Rating: 1,5 Amps DC maximum        |
| Voltage Rating: 125 Volts AC               |

### Materials:

|                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------|
| Contacts: Phosphor Bronze; Gold over Nickel                                                                                   |
| Insert: High temp thermoplastic suitable for reflow solder process. Wave solder process recommended for connectors with LED's |
| Shell: Copper Alloy; Nickel plated with pure tin dipped PCB tail                                                              |



### Part Numbers:

| Part number   | Shielding | LED                       | Number of ports |
|---------------|-----------|---------------------------|-----------------|
| RJHSE-5080    | No        | Blocked                   | Single port     |
| RJHSE-5081    | No        | Led 1 green, led 2 yellow | Single port     |
| RJHSE-5084-04 | No        | Led 1 yellow, led 2 green | 4 ports         |
| RJHSE-5085    | No        | Led 1 green, led 2 green  | Single port     |
| RJHSE-5085-02 | No        | Led 1 green, led 2 green  | 2 ports         |
| RJHSE-5380    | Yes       | Blocked                   | Single port     |
| RJHSE-5381    | Yes       | Led 1 green, led 2 yellow | Single port     |
| RJHSE-5381-04 | Yes       | Led 1 green, led 2 yellow | 4 ports         |
| RJHSE-5382    | Yes       | Led 1 green               | Single port     |
| RJHSE-5384    | Yes       | Led 1 yellow, led 2 green | Single port     |
| RJHSE-5384-02 | Yes       | Led 1 yellow, led 2 green | 2 ports         |
| RJHSE-5385    | Yes       | Led 1 green, led 2 green  | Single port     |
| RJSSE-5080    | No        | Blocked                   | Single port     |
| RJSSE-5380    | Yes       | Blocked                   | Single port     |
| RJSSE-5381-02 | Yes       | Led 1 green, led 2 yellow | 2 ports         |

## RJHSE SERIES RJ45 VERTICAL MOUNT

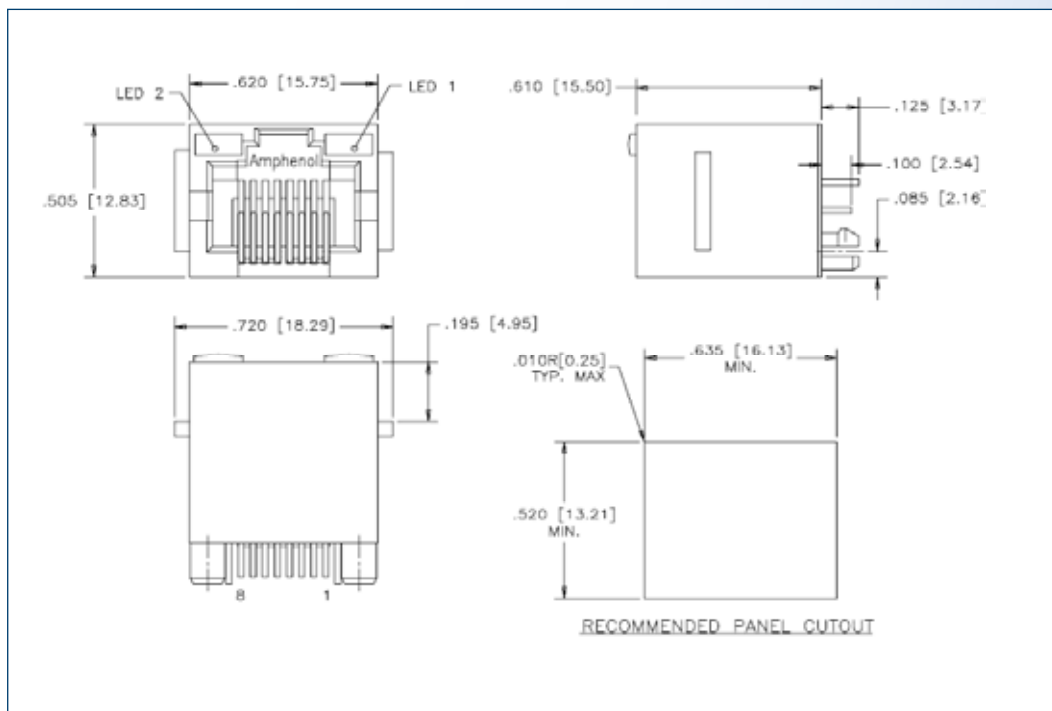


### Specifications:

|                                            |
|--------------------------------------------|
| Contact Resistance: 20 milliohms maximum   |
| Insulation Resistance: 500 Megohms minimum |
| Current Rating: 1,5 Amps DC maximum        |
| Voltage Rating: 125 Volts AC               |

### Materials:

|                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------|
| Contacts: Phosphor Bronze; Gold over Nickel                                                                                   |
| Insert: High temp thermoplastic suitable for reflow solder process. Wave solder process recommended for connectors with LED's |
| Shell: Copper Alloy; Nickel plated with pure tin dipped PCB tail                                                              |



### Part Numbers:

| Part number | Shielding | LED                               |
|-------------|-----------|-----------------------------------|
| RJHSE-3080  | No        | Blocked                           |
| RJHSE-3081  | No        | Led 1 green, led 2 yellow         |
| RJHSE-3085  | No        | Led 1 green, led 2 green          |
| RJHSE-3380  | Yes       | Blocked                           |
| RJHSE-3381  | Yes       | Led 1 green, led 2 yellow         |
| RJHSE-338B  | Yes       | Led 1 + 2 – bi- colour red/green  |
| RJHSE-3384  | Yes       | Led 1 yellow, led 2 green         |
| RJHSE-3385  | Yes       | Led 1 green, led 2 green          |
| RJHSE-338A  | Yes       | Led 1 +2 – bi-colour yellow/green |

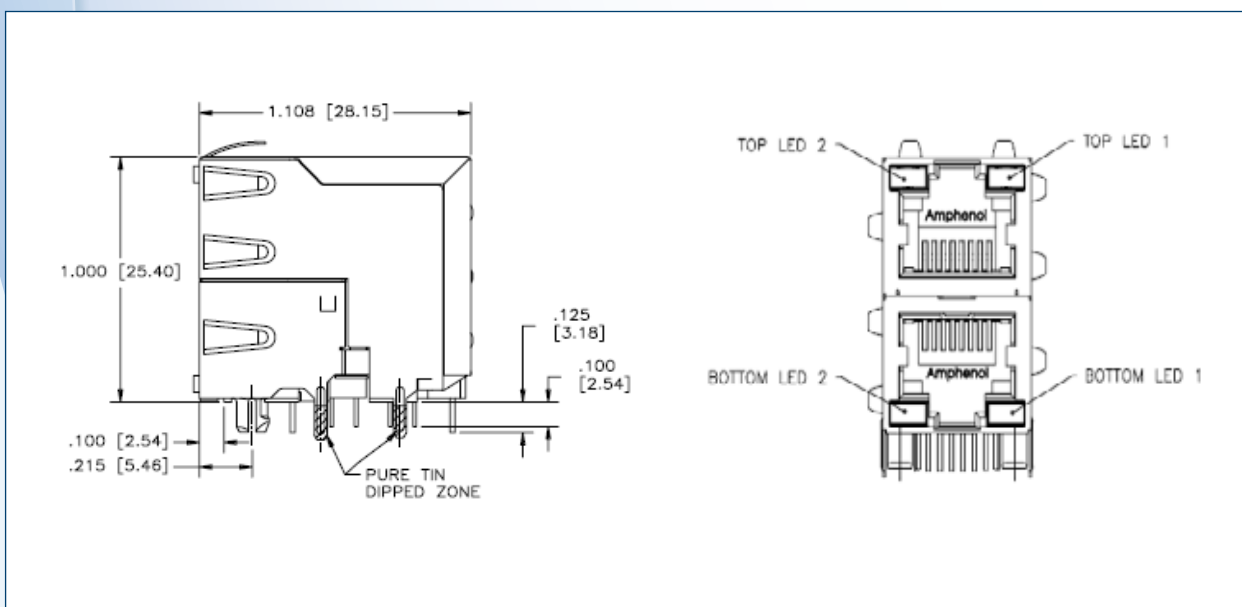
## RJSAE

**Specifications:**

|                                            |
|--------------------------------------------|
| Contact Resistance: 20 milliohms maximum   |
| Insulation Resistance: 500 Megohms minimum |
| Current Rating: 1,5 Amps DC maximum        |
| Voltage Rating: 125 Volts AC               |

**Materials:**

|                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------|
| Contacts: Phosphor Bronze; Gold over Nickel                                                                                   |
| Insert: High temp thermoplastic suitable for reflow solder process. Wave solder process recommended for connectors with LED's |
| Shell: Copper Alloy; Nickel plated with pure tin dipped PCB tail                                                              |

**Part Numbers:**

| Part number | Number of ports    | LED                               |
|-------------|--------------------|-----------------------------------|
| RJSAE538102 | 2 ports (1 over 1) | Led 1 green, led 2 yellow         |
| RJSAE538104 | 4 ports (2 over 2) | Led 1 green, led 2 yellow         |
| RJSAE538108 | 8 ports (4 over 4) | Led 1 green, led 2 yellow         |
| RJSAE538A02 | 2 ports (1 over 1) | Led 1 +2 – bi-colour yellow/green |
| RJSAE538A04 | 4 ports (2 over 2) | Led 1 +2 – bi-colour yellow/green |
| RJSAE538A08 | 8 ports (4 over 4) | Led 1 +2 – bi-colour yellow/green |

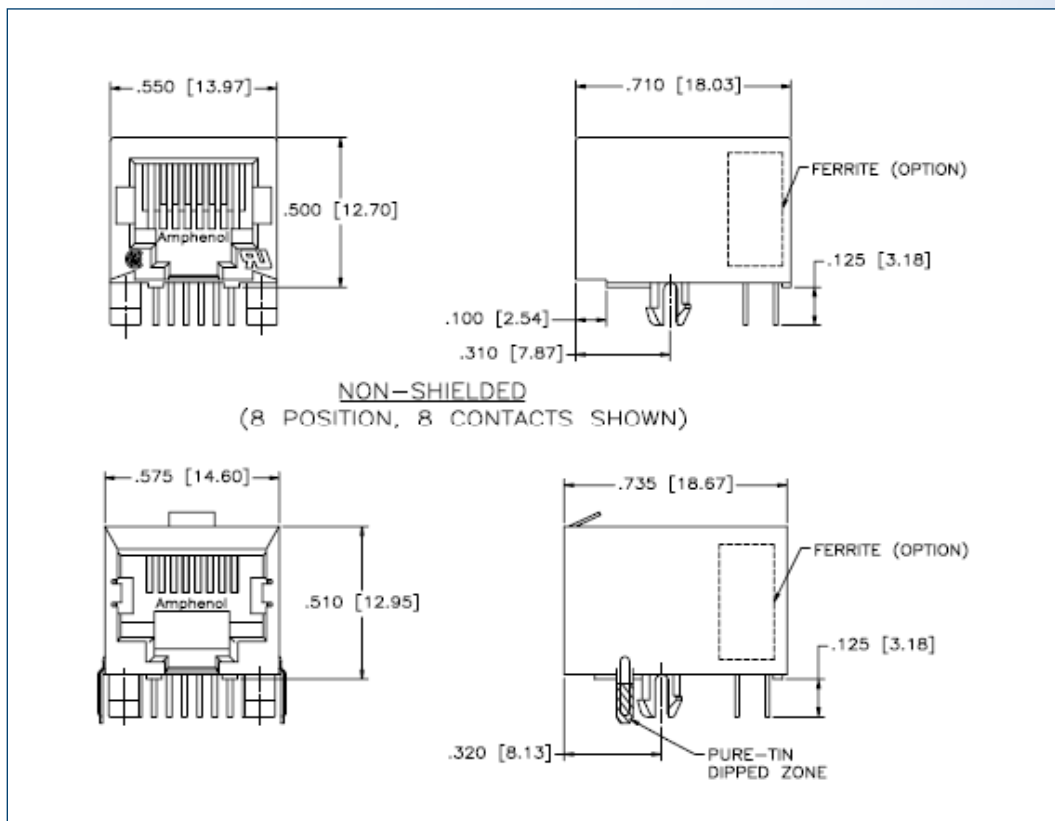
## FRJAE

**Specifications:**

|                                            |
|--------------------------------------------|
| Contact Resistance: 20 milliohms maximum   |
| Insulation Resistance: 500 Megohms minimum |
| Current Rating: 1,5 Amps                   |
| Voltage Rating: 125 Volts AC               |

**Materials:**

|                                                                            |
|----------------------------------------------------------------------------|
| Contacts: Phosphor Bronze; Gold over 30μ inches (0.76 microns) over Nickel |
| Insert: Thermoplastic Polyester (complies with UL 94V-0)                   |
| Shield: Copper Alloy Nickel Plated                                         |
| Filter: High Impedance, High Resistivity, Ferrite Block                    |

**Part Numbers:**

| Part number | Options                        |
|-------------|--------------------------------|
| FRJAE-408   | Non filtered, non shielded     |
| FRJAE-418   | Filtered with front tab shield |
| FRJAE-438   | Shield (front tab)             |
| FRJAE-468   | Filtered with rear tab shield  |
| FRJAE-488   | Shielded (rear tab)            |

## RJMAG SINGLE PORT 10/100

*PTH Cable Latch up, shielded, with side tabs, 5 cores*



### Specifications:

|                                                        |
|--------------------------------------------------------|
| Mating Cycles: 5000 mated/Unmated                      |
| Insulator Resistance: 500 MΩ Min at 500V DC            |
| Dielectric Withstanding Voltage: 1000V AC for 1 minute |
| Operating Temperature: -0°c to +70°c                   |
| Storage Temperature: -40°c to +105°c                   |
| Soldering Temperature: -235°c for 5 seconds            |

### Materials:

|                                                    |
|----------------------------------------------------|
| RJ Contact: Phosphor Bronze C5210, T=0.25mm        |
| Housing: Thermoplastic, UL94V-0 black              |
| Shielding: Brass, Nickel plated or Stainless Steel |

### Part Numbers:

| Part number     | Termination          | LED 1 right | LED 2 left |
|-----------------|----------------------|-------------|------------|
| RJMG163213101NR | 4x75ohm, 68pf        | Yellow      | Green      |
| RJMG163117101NR | 4x75ohm, 1000pf      | Green       | Green      |
| RJMG163217101NR | transmit shunt choke | Yellow      | Green      |
| RJMG163118101NR | 4x75ohm, 1000pf      | Green       | Green      |
| RJMG163218101NR |                      | Yellow      | Green      |

## RJMAG SINGLE PORT GIGABIT

LONG BODY, PTH, CABLE LATCH UP, 8 & 12 CORES



### Specifications:

|                                                        |
|--------------------------------------------------------|
| Mating Cycles: 5000 mated/Unmated                      |
| Insulator Resistance: 500 MΩ Min at 500V DC            |
| Dielectric Withstanding Voltage: 1000V AC for 1 minute |
| Operating Temperature: -0°C to +70°C                   |
| Storage Temperature: -40°C to +105°C                   |
| Soldering Temperature: -235°C for 5 seconds            |

### Materials:

|                                                    |
|----------------------------------------------------|
| RJ Contact: Phosphor Bronze C5210, T=0.25mm        |
| Housing: Thermoplastic, UL94V-0 black              |
| Shielding: Brass, Nickel plated or Stainless Steel |

### Part Numbers:

| Part number     | Termination     | Cores | LED 1 right | LED 2 left    |
|-----------------|-----------------|-------|-------------|---------------|
| RJMG201021110NR | 4x75ohm, 1000pf | 8     | Green       | Green         |
| RJMG201021210NR |                 |       | Green       | Yellow        |
| RJMG201021610NR |                 |       | Green       | Green/ Orange |
| RJMG201022610NR |                 |       | Yellow      | Green/ Orange |
| RJMG201021120NR |                 | 12    | Green       | Green         |

## USB & FIREWIRE



## USB

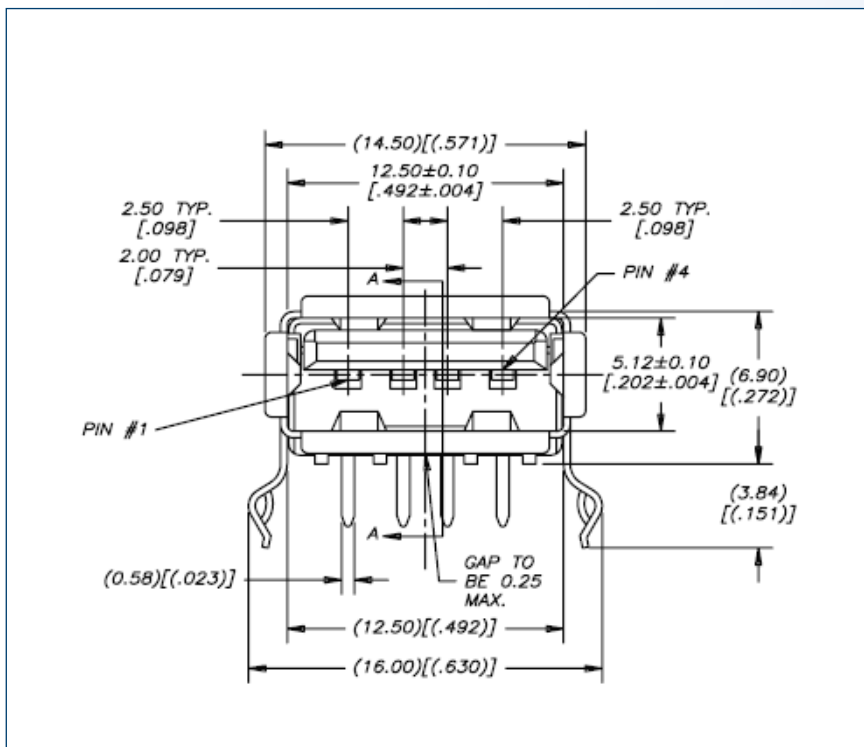


### Specifications:

|                                                       |
|-------------------------------------------------------|
| Voltage Rating: 30 Vac (rms)                          |
| Current Rating: 1 Amp maximum per contact             |
| Dielectric Withstanding Voltage: 750 VAC at sea level |
| Insulation Resistance: 1000Mohm                       |
| Capacitance: 2pF maximum                              |
| Contact Resistance: 30 mohm maximum                   |

### Materials:

|                                                          |
|----------------------------------------------------------|
| Housing: Engineering thermoplastic, flammability UL94V-0 |
| Contacts: Copper alloy                                   |
| Shell: Copper alloy                                      |
| Shell plating: Nickel over copper underplate             |



### Part Numbers:

| USB Receptacle |      |                         |
|----------------|------|-------------------------|
|                | Type | Style                   |
| UE27-AC54-100  | A    | Right angled PCB        |
| UE27-AE54-100  | A    | Straight PCB (vertical) |
| UE27-AM54-100  | A    | Right angled SMT        |
| UE27-AS54-100  | A    | strack Right Angled PCB |
| UE27-BC54-100  | B    | Right angled PCB        |
| UE27-BE54-100  | B    | Straight PCB (vertical) |
| USB plugs      |      |                         |
|                | Type |                         |
| UE28-AM54-130  | A    |                         |
| UE28-BM54-130  | B    |                         |

## FIREWIRE



### Specifications:

Conductor Resistance: 0.3 ohms max. at 1 amp. DC

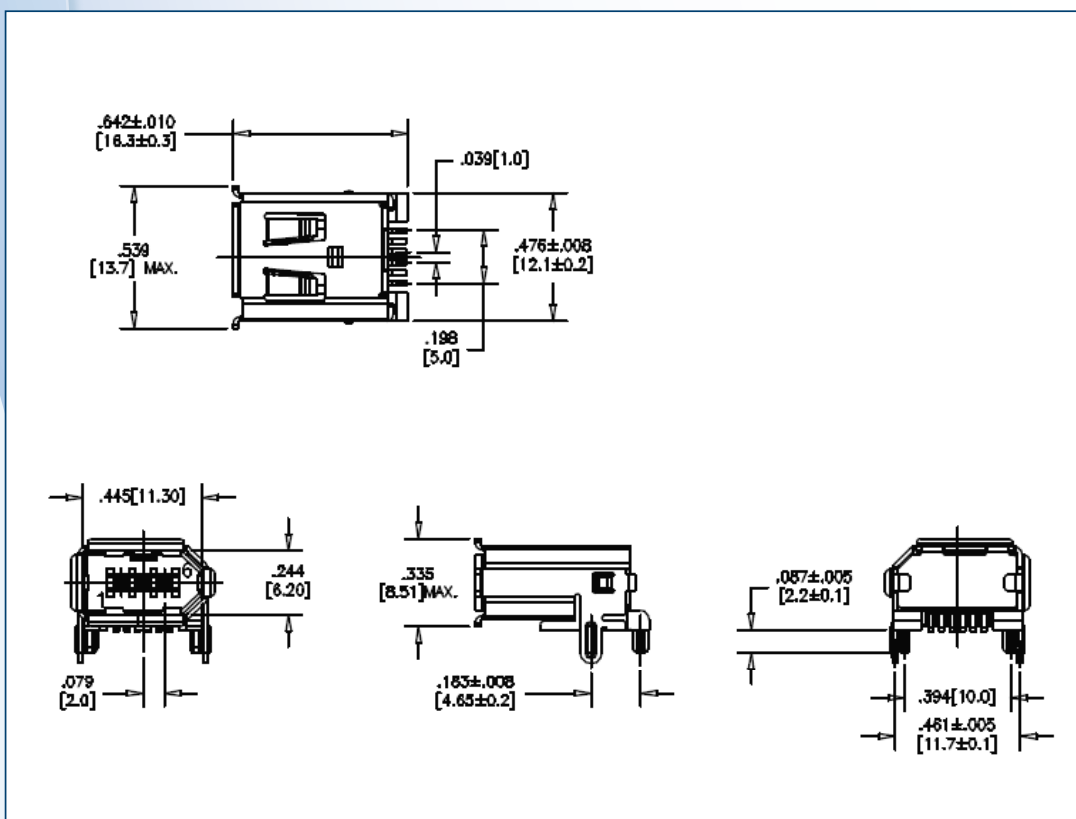
### Materials:

Housing: Plastic, High Temperature glas reinforced nylon.  
UL94V-0

Shell: Copper alloy, bright tin/lead plated

Contacts: Brass alloy, .010[0.25] thick

Plating contacts: 30 microinches [0.76 microns] min  
gold over 50 microinches [1.27 microns] Nickel underplate  
on contact surfaces Tin-lead on the contact tails.



### Part Numbers:

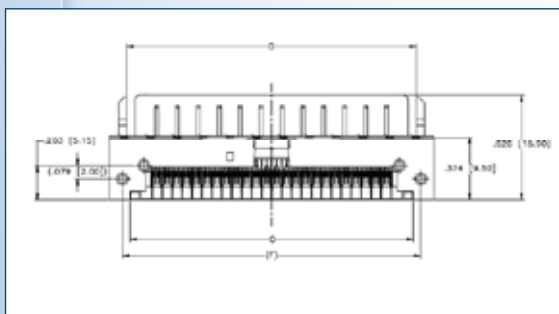
#### IEEE 1394 Firewire

| Firewire Receptacle |   | Style        | Position             |
|---------------------|---|--------------|----------------------|
| UE33-AC1-110        |   | SMT          | Right angled flat    |
| UE33-AA1-110        |   | Through hole | Right angled upright |
| UE33-AG1-11A        |   | Through hole | Right angled flat    |
| Firewire Plug       |   | Type         |                      |
| UE32-AN0-000        | A |              |                      |
| UE32-BN0-000        | B |              |                      |

## HIGH SPEED CONNECTORS



## INFINITY

**Mechanical Characteristics**

Insertion force: 55.5 N maximum (for 4X version)

Withdrawal force: 6.1 N typical (for 4X version)

Durability: 250 mating cycles

Coplanarity: 0.1mm

**Electrical Characteristics**

Impedance: 90 – 100 $\Omega$

Rise time for impedance measurement: 70 ps

Within pair skew: 5 ps

Return Loss: Meets SFF8470 spec

LLCR: 80 m $\Omega$  max

Insulation Resistance: 10 G $\Omega$  at 100 VDC

DWV: 100 VRMS for 60 seconds

**Materials**

Contacts:

- Base material – Copper alloy Plating
- Mating area – refer to p/n table
- Solder tails – refer to p/n table

Shell:

- Base material – Zinc alloy #3
- Plating – 100 $\mu$ ” Nickel plated

Housings: Black color, glass-reinforced, lead-free solder reflow process compatible thermoplastic, UL94V-0 rated

Temperature rise: Meets the requirement of 30°C  $\Delta$ T

Operating temperature -40° to +85°C

Storage temperature -40° to +85°C

**Part Numbers :**

| Part number | Description                    |
|-------------|--------------------------------|
| U65B044010  | Infinity 4X connector          |
| U65B044010T | Infinity 4X connector          |
| U65B044020T | Receptacle                     |
| U65B044060  | Infinity 4X connector          |
| U65B044060T | Receptacle                     |
| U65B045120T | Infinity 4X connector          |
| U65B124210  | Receptacle                     |
| U65B1242E0T | Receptacle                     |
| U65E044120T | Infinity 4X connector          |
| U65E044210T | Infinity 4X connector          |
| U65E044220  | Receptacle                     |
| U65E044460T | Receptacle                     |
| U65E045120T | Receptacle                     |
| U65E124120  | Receptacle                     |
| U65E124464T | Receptacle                     |
| U65F044360T | Belly to Belly                 |
| UE66C042130 | Plug                           |
| UE66L042120 | Plug                           |
| UE66L042130 | Plug                           |
| UE66N042120 | Infinity 4X Plug Lanyard style |
| UE66N042130 | Plug                           |

For detailed specifications check  
[www.amphenolinfocom.eu](http://www.amphenolinfocom.eu)

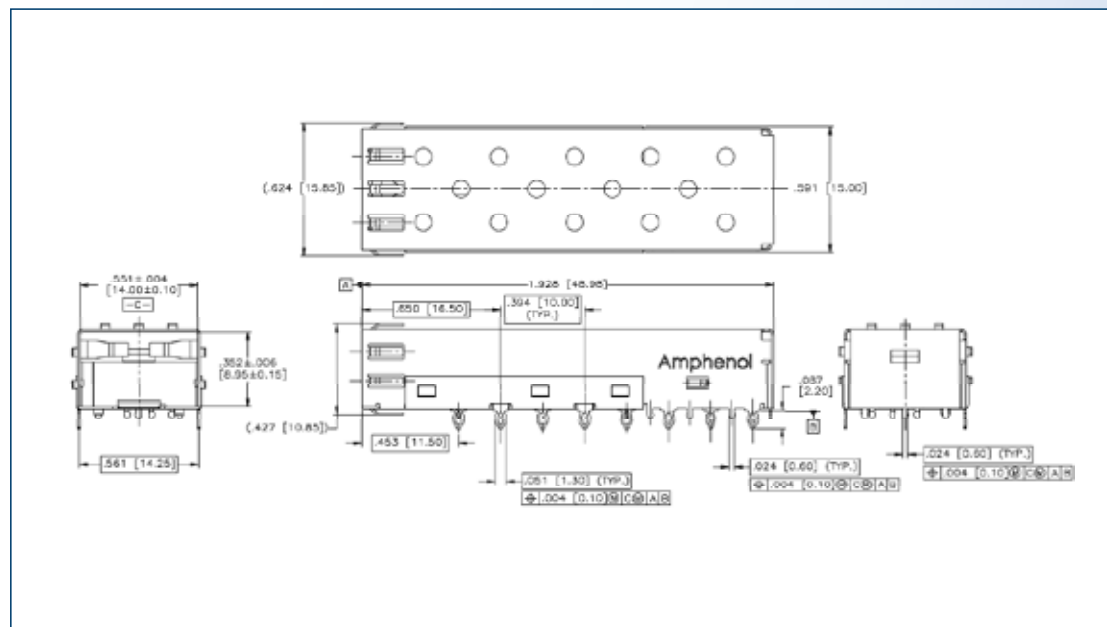


The image shows a metal backplane connector, likely a DIN connector, with multiple ports and a small plug connector. The backplane connector is a long, rectangular metal block with several rows of pins and sockets. The plug connector is a small, rectangular metal component with a single row of pins.

- Enhanced EMI versions incorporate stainless steel ground tabs

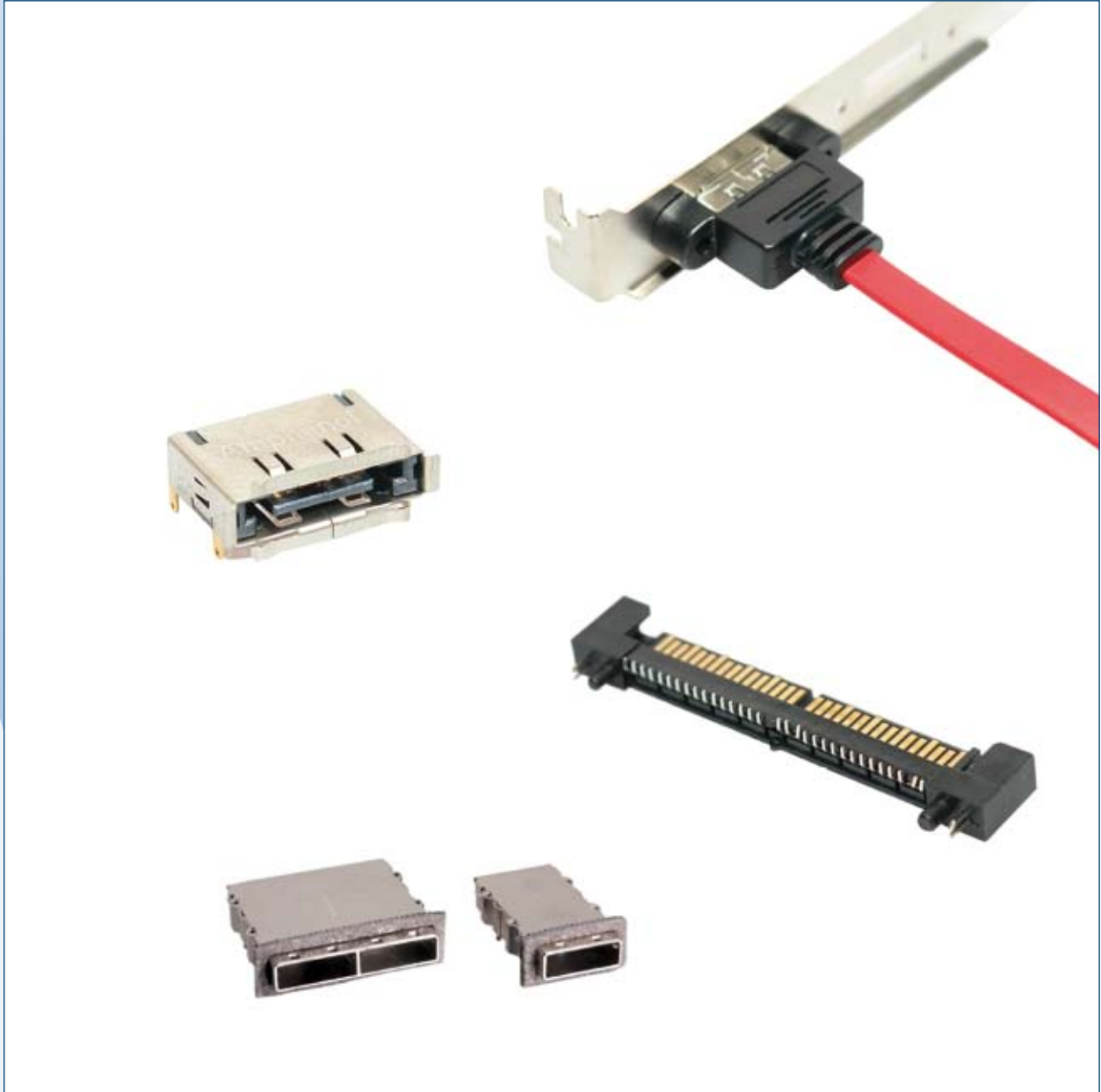
- Housing: Glass reinforced lead-free process solder reflow compatible UL94V-O

- Storage Temperature =  $-55^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$



| Part number   | Description                                    |
|---------------|------------------------------------------------|
| U77A1118200T  | Single port SFP cage                           |
| U77A16182001  | 1x1 SFP+ cage                                  |
| U77A21142001  | 1x2 SFP cage                                   |
| U77A26142001  | 1x2 SFP+ cage                                  |
| U77A41142001  | 1x4 SFP cage                                   |
| U77A46142001  | 1x4 SFP+ cage                                  |
| U77A61142001  | 1X6 SFP cage                                   |
| U77A66142001  | 1x6 SFP+ cage                                  |
| U77C11182011  | 1x1 SFP cage with Light Pipes                  |
| U77C21102011  | 1x2 SFP cage with Light Pipes                  |
| U77C41102011  | 1x4 SFP cage with Light Pipes                  |
| U77C61102011  | 1x6 SFP cage with Light Pipes                  |
| U77F16182001  | 1x1 SFP+ 1 deg Cage                            |
| U78B112600121 | 2X1 SFP cage and connector combo               |
| U78B412600121 | 2X4 SFP cage and connector combo               |
| UE75A203000T  | SFP SMT Connector. 30 u" Gold. Matte Tin tails |

## SAS & SATA



**Specifications:**

Current Rating: 1.5 A

Contact Resistance: 30 mohm max at 100mA DC

Temperature range: 0 to +55C

**Materials:**

Housing: Thermoplastic 45% glass fiber UL94V-0

Contacts: Phosphor bronze or Brass

Plating: mating: Selective 15u inches gold.

Termination: 100 u inches Min Tin. 3. Under-Plate:

50u inches Min of nickel

**Part Numbers:**

| Part number  | Plating | Type     | DIP/ SMT | Peg distance | PCB Thickness |        |
|--------------|---------|----------|----------|--------------|---------------|--------|
| G38A11214AEU | 15u"    | R/A      | DIP      | 46.00mm      | 1.57mm        |        |
| G38A12214AEU | 30u"    |          |          |              | 3.18mm        |        |
| G38A11314AEU | 15u"    |          |          | 49.81mm      | 1.57mm        |        |
| G38A12314AEU | 30u"    |          |          |              | 3.18mm        |        |
| G38A71214AEU | 15u"    |          |          |              | 1.57mm        |        |
| G38A72214AEU | 30u"    |          |          |              | 3.18mm        |        |
| G38A71314AEU | 15u"    |          |          |              | 1.57mm        |        |
| G38A72314AEU | 30u"    |          |          |              | 3.18mm        |        |
| G38A21114AEU | 15u"    | Vertical | SMT      | 46.00mm      | 1.57mm        |        |
| G38A22114AEU | 30u"    |          |          |              | 3.18mm        |        |
| G38A21614AEU | 15u"    |          |          | Press fit    | 46.00mm       | 1.57mm |
| G38A22614AEU | 30u"    |          |          |              |               | 3.18mm |
| G38A21414AEU | 15u"    |          | DIP      |              | 46.00mm       | 1.57mm |
| G38A22414AEU | 30u"    |          |          |              |               | 3.18mm |
| G38A21514AEU | 15u"    |          |          | 1.57mm       |               |        |
| G38A22514AEU | 30u"    |          |          | 3.18mm       |               |        |
| G38A21214AEU | 15u"    |          | DIP      | 46.00mm      | 1.57mm        |        |
| G38A22214AEU | 30u"    |          |          |              | 3.18mm        |        |
| G38A21714AEU | 15u"    |          |          |              | 1.57mm        |        |
| G38A22714AEU | 30u"    |          |          |              | 3.18mm        |        |

| AMTA P/N     | Plating | Type      | DIP/ SMT | Peg distance | PCB Thickness |         |         |        |
|--------------|---------|-----------|----------|--------------|---------------|---------|---------|--------|
| G41A11214AEU | 15u"    | R/A       | DIP      | 32.03mm      | 1.57mm        |         |         |        |
| G41A12214AEU | 30u"    |           |          |              | 3.18mm        |         |         |        |
| G41A11314AEU | 15u"    |           |          |              | Vertical      | SMT     | 28.22mm | 1.57mm |
| G41A12314AEU | 30u"    |           |          |              |               |         |         | 3.18mm |
| G41A21114AEU | 15u"    | Press fit | 28.22mm  | 1.57mm       |               |         |         |        |
| G41A22114AEU | 30u"    |           |          | 3.18mm       |               |         |         |        |
| G41A21614AEU | 15u"    |           |          | DIP          |               | 28.22mm | 1.57mm  |        |
| G41A22614AEU | 30u"    |           |          |              |               |         | 3.18mm  |        |
| G41A21414AEU | 15u"    | DIP       | 28.22mm  |              |               |         | 1.57mm  |        |
| G41A22414AEU | 30u"    |           |          |              |               |         | 3.18mm  |        |
| G41A21514AEU | 15u"    |           |          | DIP          |               | 28.22mm | 1.57mm  |        |
| G41A22514AEU | 30u"    |           |          |              |               |         | 3.18mm  |        |
| G41A21214AEU | 15u"    | DIP       | 28.22mm  |              |               |         | 1.57mm  |        |
| G41A22214AEU | 30u"    |           |          |              |               |         | 3.18mm  |        |
| G41A21714AEU | 15u"    |           |          | DIP          | 28.22mm       | 1.57mm  |         |        |
| G41A22714AEU | 30u"    |           |          |              |               | 3.18mm  |         |        |

## MINI SAS



### Specifications:

Connector Mechanical Characteristics

|                                        |
|----------------------------------------|
| 26 position 0.8mm pitch SMT receptacle |
| Coplanarity spec 0.1mm                 |
| Insertion force: 55.5 N maximum        |
| Withdrawal force: 49.0 N maximum       |
| Durability: 250 mating cycles          |

### Cage Mechanical Characteristics

Single and 1x2 cages available

|                                                        |
|--------------------------------------------------------|
| Standard (1° angle) and 0° versions                    |
| Multiple keying according to SFF8088                   |
| Includes EMC gasket and appropriate M2 mounting screws |

### Connector Electrical Characteristics

Maximum current: 0.5A per contact

|                                                                      |
|----------------------------------------------------------------------|
| Maximum voltage: 30V per contact                                     |
| LLCR: 80 m <sup>Ω</sup> max                                          |
| Insulation Resistance: 1000 M <sup>Ω</sup> at 100V DC for 60 seconds |
| DWV: 300 V minimum DC for 60 seconds                                 |

### Materials

Connector

|                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------|
| • Contacts                                                                                                         |
| • Base material – copper alloy                                                                                     |
| • Plating - refer to p/n table for options                                                                         |
| • Housings: Black color, glass-reinforced, lead-free solder reflow process compatible thermoplastic, UL94V-0 rated |

### Cage

• Base material – zinc alloy #3

|                                 |
|---------------------------------|
| • Plating – 100μ" nickel plated |
|---------------------------------|

### Gasket

• Conductive elastomeric foam or metal spring fingers

|                                     |
|-------------------------------------|
| Operating temperature -55° to +85°C |
| Storage temperature -55° to +85°C   |

### Part Numbers :

| Part number | Description                            |
|-------------|----------------------------------------|
| FS1R262000  | Mini SAS external receptacle connector |
| FS1S0114E1  | Mini SAS single port cage              |
| FS1S0214E1  | Mini SAS dual port cage                |
| FS1SF114E1  | Mini SAS single port cage, 1 deg       |
| FS1SF214E1  | Mini SAS dual port cage, 1 deg         |
| FS1SF414E1  | Mini SAS four port cage, 1 deg         |

## SATA



### Specifications:

Contact Resistance: 30 mohm Max, 15 mohm Max change from initial

Insulator Resistance: 1000 mohm Min

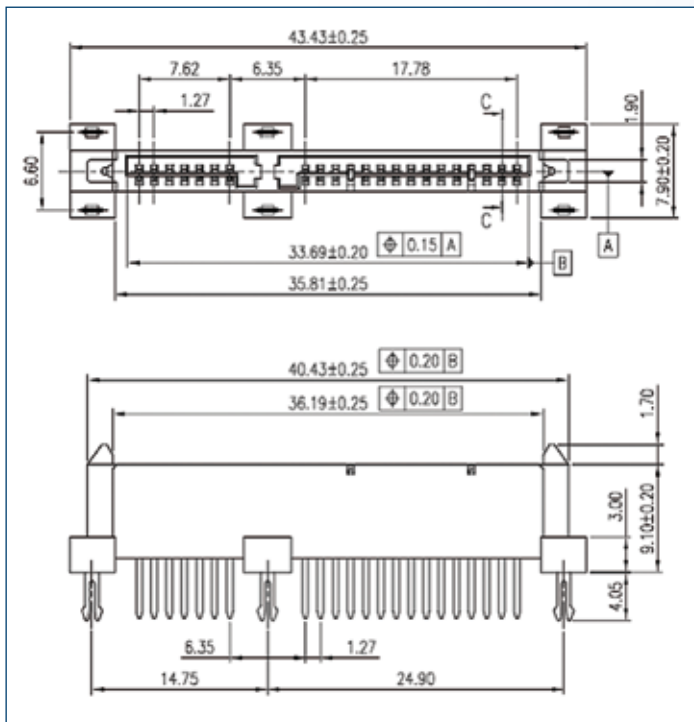
Dielectric Withstanding Voltage: 500V AC for 1 minute

### Materials:

Housing: Thermoplastic glass-fiber UL94V-0

Contact: Brass or Phosphor Bronze 1. Selective gold plating 2. Solder area-100u"Min of matte tin over 50u" Min of nickel plating

Board lock: Phosphor Bronze, 100u"Min Tin over 50u" Min of nickel



### Part Numbers:

| P/N            |                          | Description                             |
|----------------|--------------------------|-----------------------------------------|
| G16A2121MEU    | SERIAL ATA CONN,         | 7P,STR,TAIL=3.5,MATT PIN                |
| G16A9111WLF    | SATA CONN.,              | 7POS STACKED, MALE, 15U", R/A SMT TYPE  |
| G16CE5121WLF   | SATA CONN.,              | 22P RECEP.R/A, DIP TYPE, 15U", LCP      |
| G16CE5021WEU   | SATA RECEPTACLE          | R/AMOUNT, SINGAL & POWER G/F            |
| G16CE7021WEU   | SATA RECEPTACLE REVERSE, | SINGLE & POWER G/F                      |
| G16AD0216WEU   | SATA CONN.SIGNAL         | 7P MALE, W/LARCH, G/F, RED              |
| G16AD021WEU    | SATA CONN.SIGNAL.        | 7-POS, MALE,STRAIGHT,G/F,BLACK          |
| G16CE21210W1EU | SATA CONN.               | 15U",STR PLUG, DIP TYPE,ARROWHEAD BOARD |
| G16CE41210W1EU | SATA CONN                | STR.BOARDMOUNT, RECEP,15U",DIP TYPE     |
| G16CE22110WEU  | SATA CONN.               | POWER+SIGNAL, 7+15P,30U",STR. SMT,MALE  |
| G16CE1111WEU   | ATA CONN.                | 15U",R/A SMT, P & S,PLUG 7+15P          |

## EXTERNAL SATA



### Specifications:

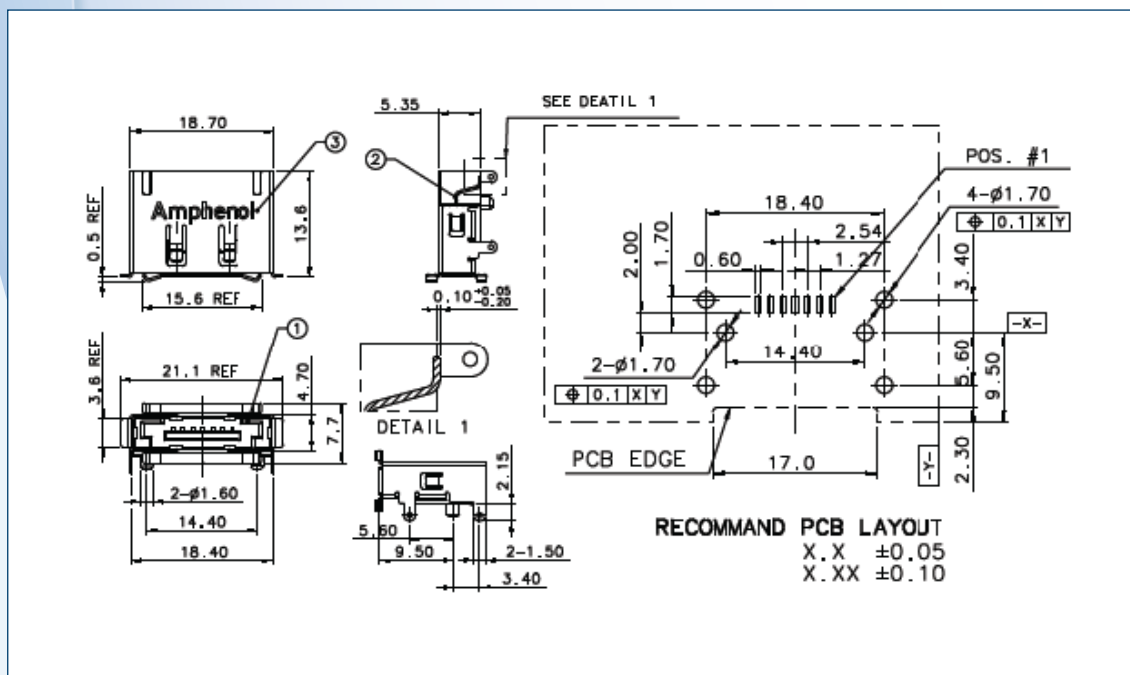
|                                                                  |
|------------------------------------------------------------------|
| Contact Resistance: 30 mohm Max, 15 mohm Max change from initial |
| Insulator Resistance: 1000 mohm Min                              |
| Dielectric Withstanding Voltage: 500V AC for 1 minute            |

### Materials:

|                                                |
|------------------------------------------------|
| Housing: Thermoplastic 30% glass-fiber UL94V-0 |
| Contact: Copper alloy                          |
| Shell: Copper alloy                            |

### Plating:

|                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|
| Contact: 1. Selective gold plating. 2. Solder area-matte tin plating 3. Under plating -Nickel                    |
| Shell: a) Tin plated with Nickel under plating. b) Full Nickel plating. Soldering area-gold flash or Tin plated. |



### Part Numbers:

| Part number    | Plug / connector | Description                              |
|----------------|------------------|------------------------------------------|
| G091322301AWEU | CONNECTOR        | 7-PIN, STRAIGHT DIP, 30U"                |
| G091231301LF   | PLUG             | BOARD MOUNT REVERSE, SMT W/LOGO TRAY     |
| G091131301LF   | PLUG             | BOARD MOUNT NORMAL, W/LOGO SMT TYPE TRAY |
| G092552331WEU  | CONNECTOR        | STACKED, MALE, R/A PCB MOUNT             |
| G092532332WEU  | CONNECTOR        | STACKED, MALE, R/A DIP, 30U", TUBE       |
| G091131300LF   | CONNECTOR        | PLUG, R/A SMT, NORMAL, TAPE & REEL       |

# HDMI



**Specifications:**

Contact Resistance: 30 mohm

Insulator resistance: 100Mohm Max

Dielectric Withstanding Voltage: 500V AC

**Materials:**

Housing: High temperature plastic UL94V-0, BL

Contact: Brass, Thickness=0,20mm

Shield: Phosphor Bronze, Thickness=0,5mm

**Part Numbers:**

| No.             | Description                           | Product Description                       | Termination Style                        |
|-----------------|---------------------------------------|-------------------------------------------|------------------------------------------|
| HDM-F191-001-12 | HDMI R/A Receptacle (without Flange)  | Contacts 0,76um gold, Shell nickel plated | SMT, SHELL DIP                           |
| HDM-F191-001-22 | HDMI R/A Receptacle (without Flange ) | Contacts 0,38um gold, Shell nickel plated | SMT, SHELL DIP                           |
| HDM-F191-003-12 | HDMI R/A Receptacle (with Flange)     | contacts 0,76um gold, Shell nickel plated | SMT, SHELL DIP                           |
| HDM-F191-003-22 | HDMI R/A Receptacle (with Flange)     | Contacts 0,38um gold, Shell nickel plated | SMT, SHELL DIP                           |
| HDM-F191-015-12 | HDMI R/A Receptacle (with Flange)     | contacts 0,76um gold, Shell nickel plated | SMT, SHELL DIP                           |
| HDM-F191-015-22 | HDMI R/A Receptacle (with Flange )    | Contacts 0,38um gold, Shell nickel plated | SMT, SHELL DIP                           |
| HDM-F191-016-12 | HDMI R/A Receptacle (with Flange)     | contacts 0,76um gold, Shell nickel plated | SMT, SHELL DIP                           |
| HDM-F191-016-22 | HDMI R/A Receptacle (with Flange )    | Contacts 0,38um gold, Shell nickel plated | SMT, SHELL DIP                           |
| HDM-F191-017-12 | HDMI R/A Receptacle (with Flange)     | Contacts 0,76um gold, Shell nickel plated | SMT, SHELL DIP                           |
| HDM-F191-017-22 | HDMI R/A Receptacle (with Flange )    | Contacts 0,38um gold, Shell nickel plated | SMT, SHELL DIP                           |
| HDM-F191-018-12 | HDMI R/A Receptacle (with Flange)     | contacts 0,76um gold, Shell nickel plated | SMT, SHELL DIP                           |
| HDM-F191-018-22 | HDMI R/A Receptacle (with Flange)     | Contacts 0,38um gold, Shell nickel plated | SMT, SHELL DIP                           |
| HDM-F192-008-12 | HDMI R/A Receptacle (with Flange)     | Contacts 0,76um gold, Shell nickel plated | T/H(4 Rows, Short Shell Tail), Shell Dip |
| HDM-F192-008-22 | HDMI R/A Receptacle (with Flange)     | Contacts 0,38um gold, Shell nickel plated | T/H(4 Rows, Short Shell Tail), Shell Dip |
| HDM-F192-009-12 | HDMI T/H Receptacle (with Flange)     | Contacts 0,76um gold, Shell nickel plated | T/H(4 Rows, Long Shell Tail), Shell Dip  |
| HDM-F192-009-22 | HDMI T/H Receptacle (with Flange)     | Contacts 0,38um gold, Shell nickel plated | T/H(4 Rows, Long Shell Tail), Shell Dip  |

## MINI RIBBON MD5



## IDC CONNECTORS



### Materials:

Housing: thermoplastic UL94V0

Contact: phosphor bronze selective gold plated

Shell: Die-cast zinc nicked plated over copper

(For pos 20 & 100 : steel nickel plated over copper)

### Electrical:

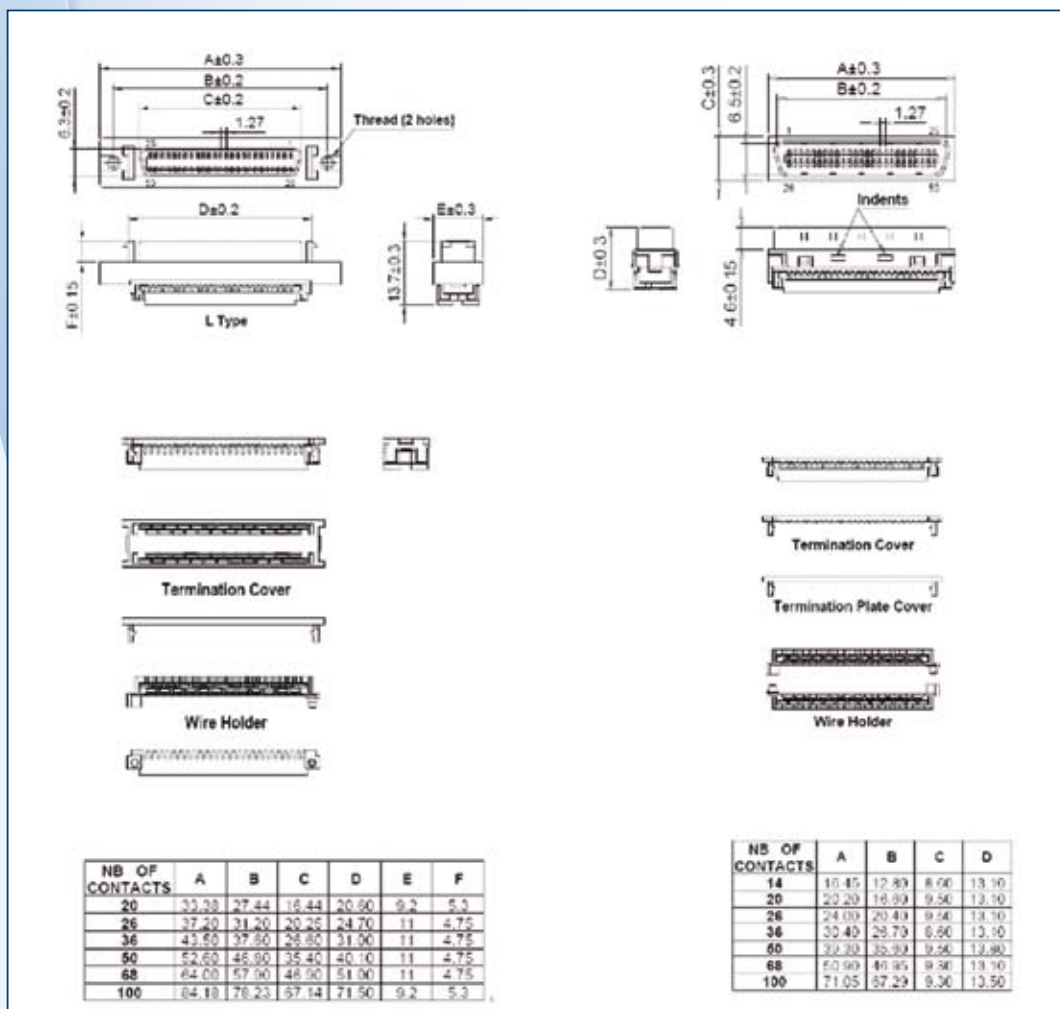
Current Rating: 1 Amp

Insulation Resistance: >500MΩ

Withstanding Voltage: AC 500V/rms for 1 minute

Contact Resistance: 35mΩ maxi

Temperature Range: -55°C +105°C



### Part Numbers:

| Female       |                            | Male        |                      |
|--------------|----------------------------|-------------|----------------------|
| MD5ID20F0L37 | RECEPTACLE MD5, 20 WAY IDC | MD5ID20M0A7 | PLUG MD5, 20 WAY IDC |
| MD5ID26F0L37 | RECEPTACLE MD5, 26 WAY IDC | MD5ID26M0A7 | PLUG MD5, 26 WAY IDC |
| MD5ID36F0L37 | RECEPTACLE MD5, 36 WAY IDC | MD5ID36M0A7 | PLUG MD5, 36 WAY IDC |
| MD5ID50F0L37 | RECEPTACLE MD5, 50 WAY IDC | MD5ID50M0A7 | PLUG MD5, 50 WAY IDC |
| MD5ID68F0L37 | RECEPTACLE MD5, 68 WAY IDC | MD5ID68M0A7 | PLUG MD5, 68 WAY IDC |

## SOLDER CONNECTORS



### Materials:

Housing: Thermoplastic UL94V-0

Contacts: Phosphor bronze selective gold plated

Shell: Die-Cast zinc nickel plated over copper

(For pos 14 & 20 : Steel nickel plated over copper)

### Electrical:

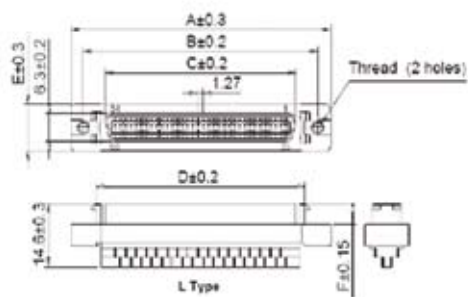
Current Rating: 1 Amp

Insulation Resistance: >500MΩ

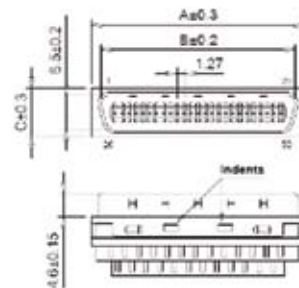
Withstanding Voltage: AC 500V/rms for 1 minute

Contact Resistance: 35m Ω maxi

Temperature Range: -55°C +105°C



| NB OF CONTACTS | A     | B     | C     | D     | E     | F    |
|----------------|-------|-------|-------|-------|-------|------|
| 14             | 25.50 | 23.64 | 12.63 | 17.00 | 0.20  | 5.30 |
| 20             | 33.40 | 27.44 | 15.44 | 20.50 | 0.20  | 5.30 |
| 26             | 37.20 | 31.20 | 20.25 | 24.70 | 10.90 | 4.75 |
| 36             | 43.50 | 37.00 | 28.00 | 31.00 | 10.90 | 4.75 |
| 50             | 52.00 | 46.80 | 35.40 | 40.10 | 10.90 | 4.75 |
| 68             | 64.00 | 57.50 | 45.50 | 51.00 | 10.90 | 4.75 |



| NB OF CONTACTS | A     | B     | C    | D     |
|----------------|-------|-------|------|-------|
| 14             | 15.45 | 12.90 | 8.60 | 15.20 |
| 20             | 20.00 | 16.90 | 9.60 | 15.20 |
| 26             | 24.00 | 20.40 | 9.60 | 15.50 |
| 36             | 30.50 | 26.70 | 8.60 | 15.20 |
| 50             | 39.30 | 36.90 | 9.60 | 15.50 |
| 68             | 50.00 | 46.90 | 9.30 | 15.50 |
| 100            | 73.00 | 67.20 | 9.30 | 15.50 |

### Part Numbers:

| Female      |                               | Male       |                         |
|-------------|-------------------------------|------------|-------------------------|
| MD5SC20F0L3 | RECEPTACLE MD5, 20 WAY SOLDER | MD5SC20M0A | PLUG MD5, 20 WAY SOLDER |
| MD5SC26F0L3 | RECEPTACLE MD5, 26 WAY SOLDER | MD5SC26M0A | PLUG MD5, 26 WAY SOLDER |
| MD5SC36F0L3 | RECEPTACLE MD5, 36 WAY SOLDER | MD5SC36M0A | PLUG MD5, 36 WAY SOLDER |
| MD5SC50F0L3 | RECEPTACLE MD5, 50 WAY SOLDER | MD5SC50M0A | PLUG MD5, 50 WAY SOLDER |
| MD5SC68F0L3 | RECEPTACLE MD5, 68 WAY SOLDER | MD5SC68M0A | PLUG MD5, 68 WAY SOLDER |

## PCB CONNECTORS

**Electrical:**

Current Rating: 1 Amp

Insulation Resistance: &gt;500MΩ

Withstanding Voltage: AC 500V/rms for 1 Minute

Contact Resistance: 35mΩ maxi

Temperature Range: -55°C +105°C

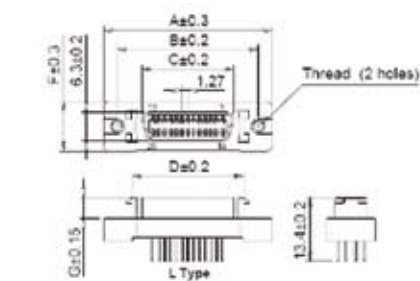
**Materials:**

Housing : Thermoplastic UL94V-0

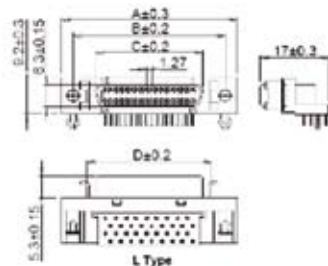
Contacts: Phosphor bronze selective gold plated

Shell: Steel nickel plated over copper

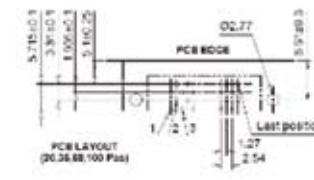
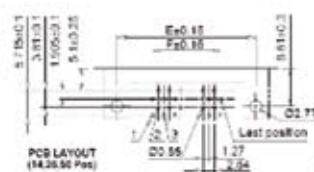
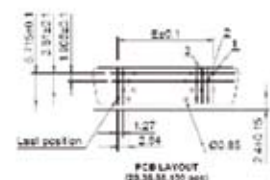
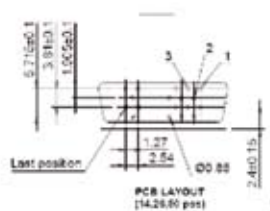
Boardlocks: Brass tin plated over copper



| NB OF CONTACTS | A     | B     | C     | D     | E     | F     | G    |
|----------------|-------|-------|-------|-------|-------|-------|------|
| 14             | 29.64 | 27.14 | 12.53 | 17.00 | 7.26  | 9.20  | 5.30 |
| 20             | 33.40 | 27.44 | 18.44 | 20.60 | 11.43 | 9.20  | 5.30 |
| 26             | 37.20 | 31.20 | 20.25 | 24.70 | 17.31 | 10.00 | 4.75 |
| 36             | 43.50 | 37.00 | 26.00 | 31.00 | 21.50 | 10.00 | 4.75 |
| 50             | 52.00 | 40.00 | 35.00 | 40.10 | 30.48 | 10.00 | 4.75 |
| 68             | 64.00 | 57.90 | 45.00 | 51.00 | 41.21 | 10.00 | 4.75 |
| 100            | 84.15 | 78.23 | 57.84 | 71.50 | 52.23 | 9.20  | 7.30 |



| NB OF CONTACTS | A     | B     | C     | D     | E     | F     |
|----------------|-------|-------|-------|-------|-------|-------|
| 14             | 29.67 | 23.64 | 12.63 | 17.03 | 23.64 | 7.92  |
| 20             | 33.40 | 27.49 | 18.41 | 20.81 | 27.45 | 11.43 |
| 26             | 37.19 | 31.26 | 20.25 | 24.63 | 31.26 | 15.25 |
| 36             | 43.68 | 37.61 | 26.09 | 31.05 | 37.61 | 21.58 |
| 50             | 52.50 | 46.50 | 35.49 | 39.89 | 46.50 | 30.48 |
| 68             | 64.00 | 57.92 | 45.92 | 51.32 | 57.92 | 41.91 |
| 100            | 84.18 | 78.23 | 57.10 | 71.52 | 78.10 | 52.25 |

**Part Numbers:**

| Straight PCB |                                | Right angle PCB |                                |
|--------------|--------------------------------|-----------------|--------------------------------|
| MD5SP20F0L3  | RECEPTACLE MD5, 20 WAY PCB STR | MD5RP20F0L3     | RECEPTACLE MD5, 20 WAY PCB R/A |
| MD5SP26F0L3  | RECEPTACLE MD5, 26 WAY PCB STR | MD5RP26F0L3     | RECEPTACLE MD5, 26 WAY PCB R/A |
| MD5SP36F0L3  | RECEPTACLE MD5, 36 WAY PCB STR | MD5RP36F0L3     | RECEPTACLE MD5, 36 WAY PCB R/A |
| MD5SP50F0L3  | RECEPTACLE MD5, 50 WAY PCB STR | MD5RP50F0L3     | RECEPTACLE MD5, 50 WAY PCB R/A |
| MD5SP68F0L3  | RECEPTACLE MD5, 68 WAY PCB STR | MD5RP68F0L3     | RECEPTACLE MD5, 68 WAY PCB R/A |

## HOODS



### Materials:

Housing: thermoplastic UL94V0

Contact: phosphor bronze selective gold plated

#### Straight connector

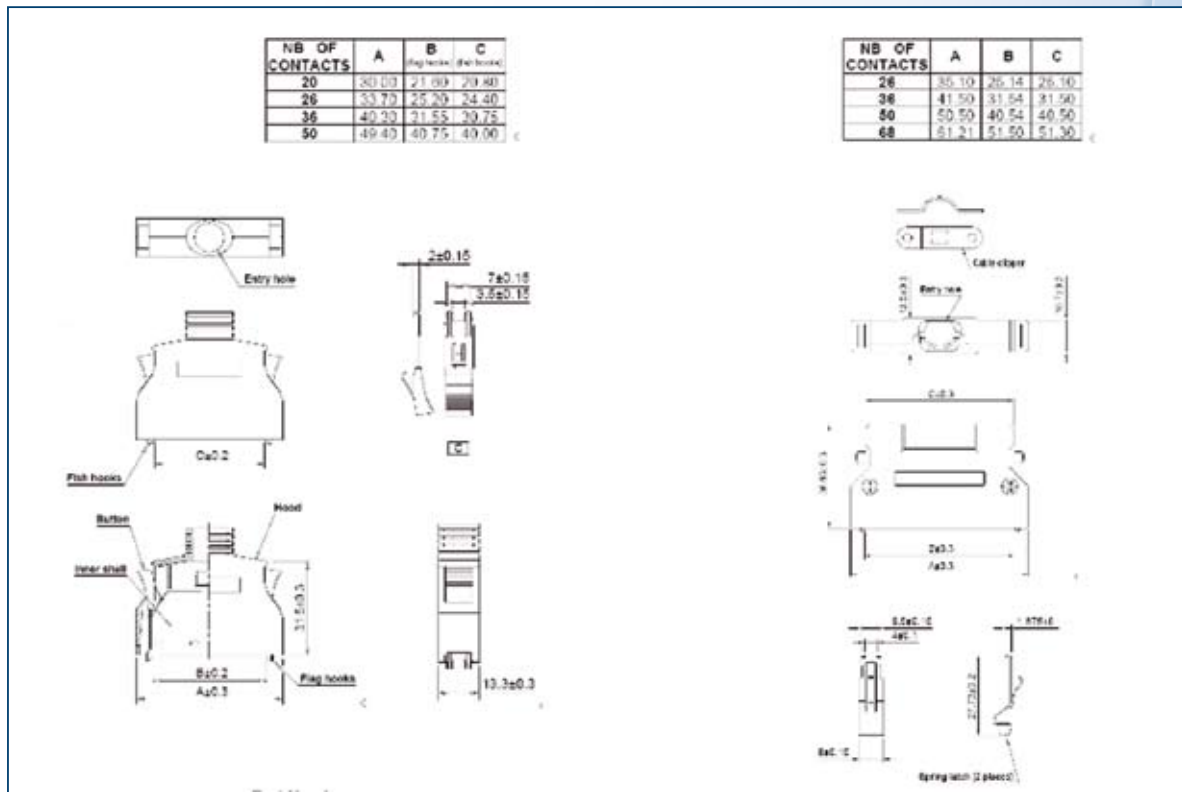
Shell: Die-cast zinc nicked plated over copper

(For pos 14 - 20 - 100 : steel nickel plated over copper )

#### R/A connector

Shell: Steel nickel plated over copper

Boardlocks: Brass tin plated over copper



### Part Numbers:

| Plastic       |                          | Metal      |                        |
|---------------|--------------------------|------------|------------------------|
| MD5PL20S60CBK | HOOD, MD5 20 WAY PLASTIC | MD5ML26S75 | HOOD, MD5 20 WAY METAL |
| MD5PL20S65CBK | HOOD, MD5 20 WAY PLASTIC | MD5ML26S90 | HOOD, MD5 26 WAY METAL |
| MD5PL20S70CBK | HOOD, MD5 20 WAY PLASTIC | MD5ML36S75 | HOOD, MD5 36 WAY METAL |
| MD5PL20S75CBK | HOOD, MD5 20 WAY PLASTIC | MD5ML36S90 | HOOD, MD5 36 WAY METAL |
| MD5PL26S70CBK | HOOD, MD5 26 WAY PLASTIC | MD5ML50S10 | HOOD, MD5 50 WAY METAL |
| MD5PL26S80CBK | HOOD, MD5 26 WAY PLASTIC | MD5ML50S12 | HOOD, MD5 50 WAY METAL |
| MD5PL26S85CBK | HOOD, MD5 26 WAY PLASTIC | MD5ML68S11 | HOOD, MD5 68 WAY METAL |
| MD5PL36S70CBK | HOOD, MD5 36 WAY PLASTIC | MD5ML68S14 | HOOD, MD5 68 WAY METAL |
| MD5PL36S80CBK | HOOD, MD5 36 WAY PLASTIC |            |                        |
| MD5PL36S85CBK | HOOD, MD5 36 WAY PLASTIC |            |                        |
| MD5PL36S90CBK | HOOD, MD5 36 WAY PLASTIC |            |                        |
| MD5PL50S90CBK | HOOD, MD5 50 WAY PLASTIC |            |                        |
| MD5PL50S10CBK | HOOD, MD5 50 WAY PLASTIC |            |                        |

## MICRO RIBBON



## RACK AND PANEL CONNECTORS



### Specifications:

Current Rating: 5 Amps

Insulation Resistance: > 5000 Mohm

Dielectric Withstanding Voltage: 1200V AC (RMS)  
at sea level

Voltage Rating: 700 VDC at sea level  
200 VDC at 70,000 ft.

### Materials:

Shell: Zinc plated steel with clear chromate coating,  
with nickel & pure tin plate optional

Contact material: Copper alloy

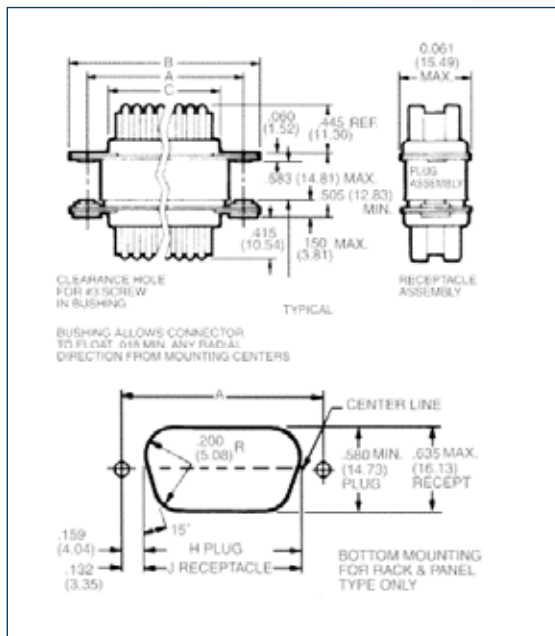
Contact plating: Selective gold plated over nickel  
underplate

Contact spacing: 0.085" pitch

Insulation Material: PBT & glass fiber reinforced,  
UL94V-O

### Dimensions:

| Contact | A min. | B min. | C. min. | Bottom Mounting<br>H<br>Min. | J<br>min. | Top Mounting<br>K<br>Min. | L<br>min. |
|---------|--------|--------|---------|------------------------------|-----------|---------------------------|-----------|
| 14      | 35.99  | 44.45  | 23.11   | 27.92                        | 29.29     | 23.90                     | 25.27     |
| 24      | 46.79  | 55.25  | 33.91   | 38.71                        | 40.08     | 34.70                     | 36.07     |
| 36      | 59.74  | 68.20  | 46.86   | 51.66                        | 53.04     | 47.65                     | 49.02     |
| 50      | 74.85  | 83.31  | 61.98   | 66.78                        | 68.15     | 62.76                     | 64.14     |
| 64      | 89.97  | 98.43  | 77.09   | 81.89                        | 83.26     | 77.88                     | 79.25     |



### Part Numbers:

| Contacts | Plug      | Receptacle : Float Mounted |
|----------|-----------|----------------------------|
| 14       | 157-12140 | 157-22140                  |
| 24       | 157-12240 | 157-22240                  |
| 36       | 157-12360 | 157-22360                  |
| 64       | 157-12640 | 157-22640                  |

## CABLE TO CABLE (TOP ENTRY)



### Specifications:

Current Rating: 5 Amps

Insulation Resistance: > 5000 Mohm

Dielectric Withstanding Voltage: 1200V AC (RMS)  
at sea level

Voltage Rating: 700 VDC at sea level

200 VDC at 70,000 ft.

### Materials:

Shell: Zinc plated steel with clear chromate coating,  
with nickel & pure tin plate optional

Contact material: Copper alloy

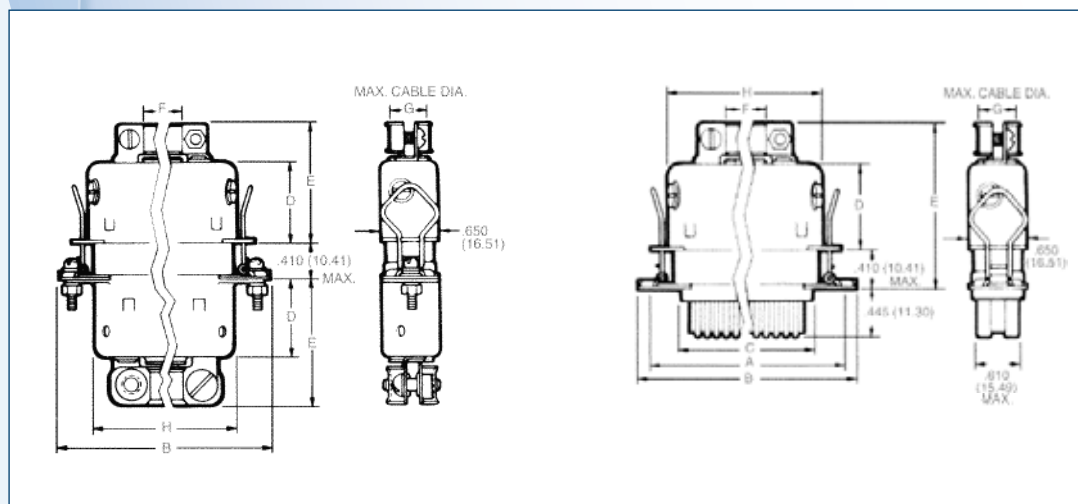
Contact plating: Selective gold plated over nickel  
underplate

Contact spacing: 0.085" pitch

Insulation Material: PBT & glass fiber reinforced,  
UL94V-O

### Dimensions:

| Dimensions |             |             |             |             |             |
|------------|-------------|-------------|-------------|-------------|-------------|
| Contacts   | B Max<br>mm | D Max<br>mm | F Max<br>mm | G Max<br>mm | H Max<br>mm |
| 14         | 44.96       | 21.59       | 8.84        | 8.84        | 29.29       |
| 24         | 55.75       | 21.08       | 12.01       | 12.01       | 40.08       |
| 36         | 68.70       | 23.11       | 16.46       | 12.70       | 53.06       |
| 50         | 83.82       | 25.40       | 19.61       | 12.70       | 68.15       |



### Part Numbers:

| Contacts | Plug Top Cable Entry | Cable to Cable               | Cable to Panel               |
|----------|----------------------|------------------------------|------------------------------|
|          |                      | Receptacle with Spring Latch | Receptacle with Spring Latch |
| 14       | 157-32140            | 157-62140                    | 157-42140                    |
| 24       | 157-32240            | 157-62240                    | 157-42240                    |
| 36       | 157-32360            | 157-62360                    | 157-42360                    |
| 50       | 157-32500            | 157-62500                    | 157-42500                    |

## HEADER AND SOCKETS



## IDC SOCKET



### Specifications:

|                                                                 |
|-----------------------------------------------------------------|
| Contact Resistance: 20 mohm Max at 1 AMP DC                     |
| Insulation Resistance: 5000 magohms at 500 VDC                  |
| Operation Temperature -40°C to +105°C                           |
| Dielectric Withstanding Voltage: 500 VAC/rms 60 Hz for 1 Minute |
| Current Rating: 3A                                              |

### Materials:

|                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insulator: Glass-Filled Thermoplastic PBT, UL94V-0 rates                                                                                                                         |
| Contact: Brass or Phosphor Bronze Plated full gold or selected gold in mating area, 100μ" min. tin plated on termination area, with entire contact under-plated 50μ" min. Nickel |

### Part Numbers:

| P/N            | Number of positions | Housing color |
|----------------|---------------------|---------------|
| T812016A101CEU | 16                  | Grey          |
| T812020A101CEU | 20                  |               |
| T812026A101CEU | 26                  |               |
| T812110A101CEU | 10                  | Black         |
| T812114A101CEU | 14                  |               |
| T812116A101CEU | 16                  |               |
| T812120A101CEU | 20                  |               |
| T812126A101CEU | 26                  |               |
| T812134A101CEU | 34                  |               |
| T812140A101CEU | 40                  |               |
| T812150A101CEU | 50                  |               |

## LATCH HEADER



### Specifications:

|                                                  |
|--------------------------------------------------|
| Contact Resistance: 20 mohm Max                  |
| Insulation Resistance: 1000 Mohms Min            |
| Current Rating: 3AMP                             |
| Withstand Voltage: 1000V AC/minute               |
| Operation Temperature: -40 degree up +105 degree |

### Materials:

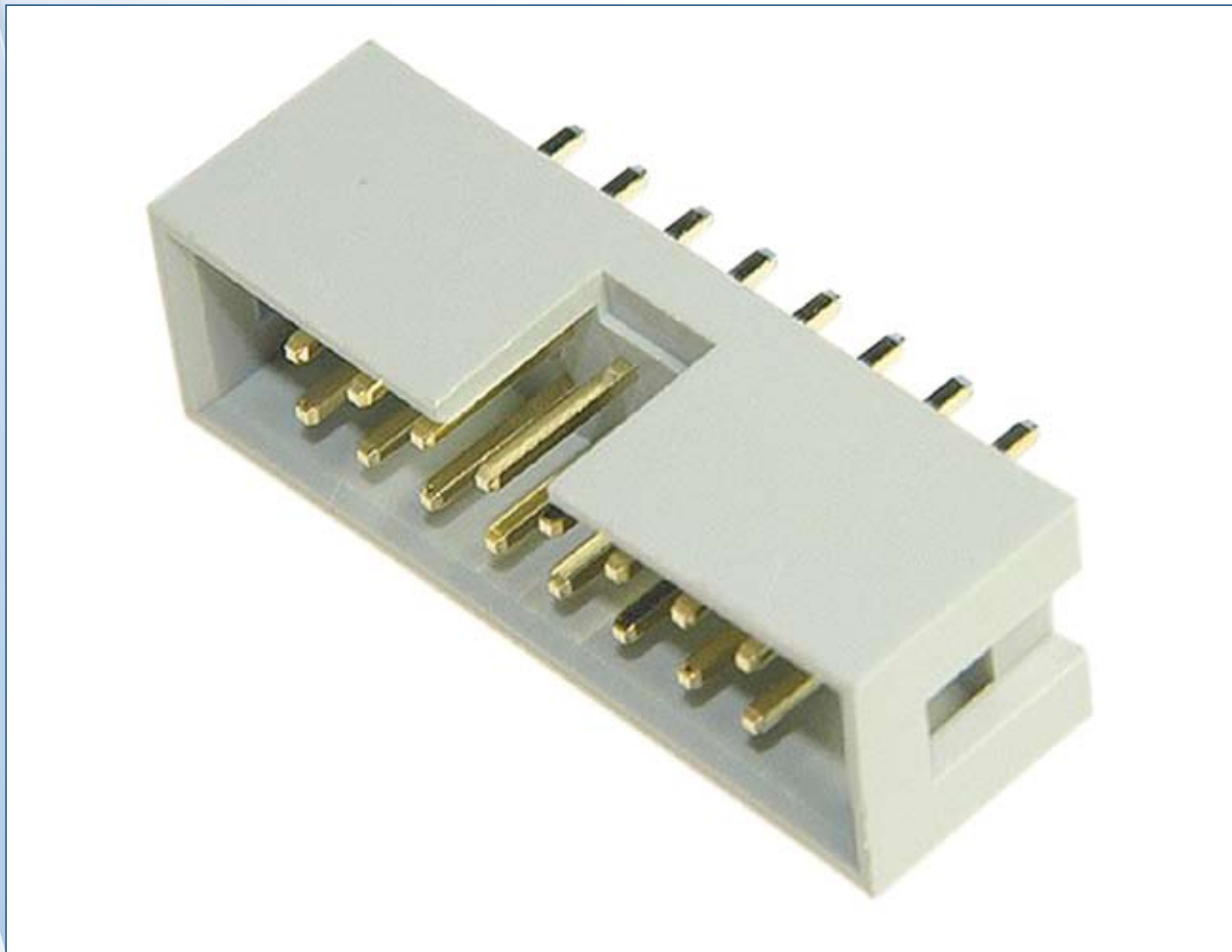
|                                                          |
|----------------------------------------------------------|
| Insulator: High Temperature Thermoplastic, UL94V-0 rated |
| Contact: Brass                                           |
| Plating: Au or Sn Over 50µ" Ni                           |

For detailed  
specifications check  
[www.amphenolinfocom.eu](http://www.amphenolinfocom.eu)

### Part Numbers:

| P/N              | Housing color | Number of positions | Variation Code |
|------------------|---------------|---------------------|----------------|
| T816016A1S101CEU | Grey          | 16                  | Short Latch    |
| T816110A1S102CEU | Black         | 10                  | Long Latch     |
| T816114A1S102CEU |               | 14                  |                |
| T816116A1S102CEU |               | 16                  |                |
| T816120A1S102CEU |               | 20                  |                |
| T816126A1S102CEU |               | 26                  |                |
| T816134A1S102CEU |               | 34                  |                |

## BOX HEADER



### Specifications:

|                                                 |
|-------------------------------------------------|
| Contact Resistance: 20 mohm Max                 |
| Insulation Resistance: 1000 Mohms Min           |
| Current Rating: 3AMP                            |
| Withstand Voltage: 1000V AC/minute              |
| Operation Temperature: -40 degree up+105 degree |

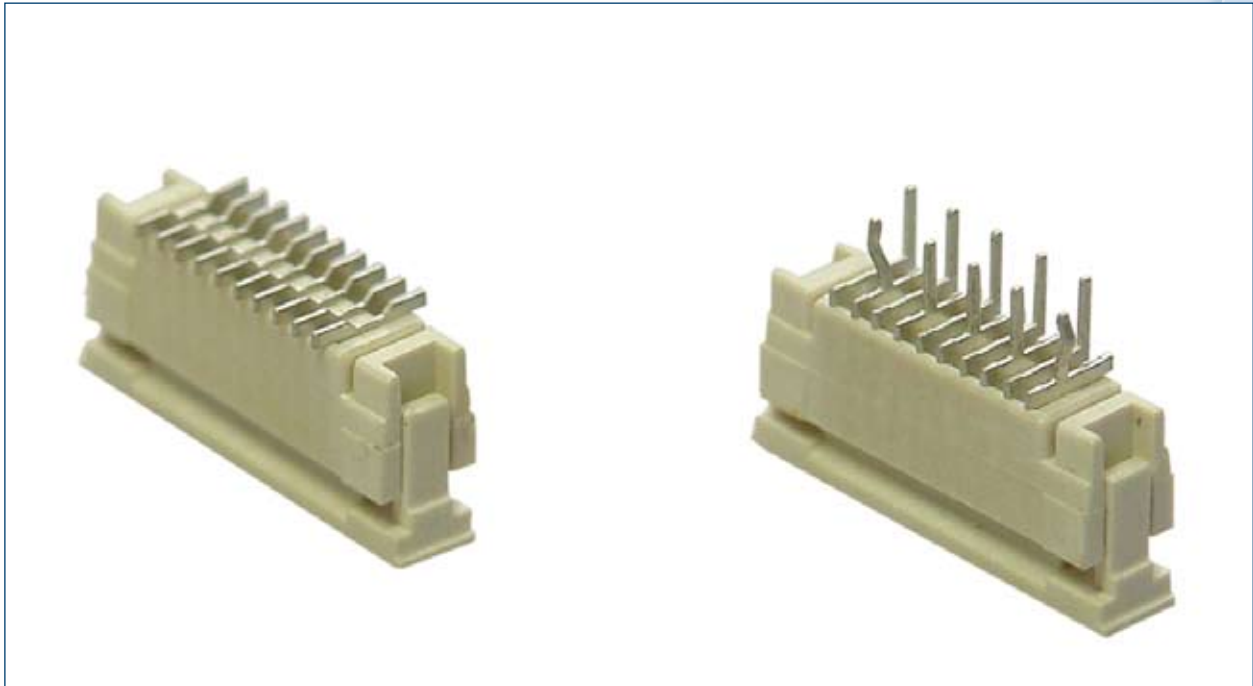
### Materials:

|                                                          |
|----------------------------------------------------------|
| Insulator: High Temperature Thermoplastic, UL94V-0 rated |
| Contact: Brass                                           |
| Plating: Au or Sn Over 50μ" Ni                           |

### Part Numbers:

| P/N              | Number of positions |
|------------------|---------------------|
| T821110A1S100CEU | 10                  |
| T821114A1S100CEU | 14                  |
| T821116A1S100CEU | 16                  |
| T821120A1S100CEU | 20                  |
| T821126A1S100CEU | 26                  |
| T821134A1S100CEU | 34                  |

## IDC FLEX PRINT CONNECTORS



### Specifications:

Operating Current: 0.5 Amp per contact at 70°C

Rating Voltage: 63 V

Contact Resistance: < 20 mohm

Insulation Resistance: > 1000 Mohm

### Materials:

Contact spacing: 1.0mm pitch

Insulation Material: LCP

Contact Material: Phosphor Bronze

Contact plating: 4 µm tinned all over

### Part Numbers:

| Part Number       | Positions | Type        |
|-------------------|-----------|-------------|
| C007-10B-012-0001 | 12        | Straight    |
| C007-10B-012-1001 | 12        | Right Angle |
| C007-10B-014-0001 | 14        | Straight    |
| C007-10B-014-1001 | 14        | Right Angle |
| C007-10B-016-0001 | 16        | Straight    |
| C007-10B-016-1001 | 16        | Right Angle |
| C007-10B-017-0001 | 17        | Straight    |
| C007-10B-017-1001 | 17        | Right Angle |
| C007-10B-018-0001 | 18        | Straight    |
| C007-10B-018-1001 | 18        | Right Angle |
| C007-10B-022-0001 | 22        | Straight    |
| C007-10B-022-1001 | 22        | Right Angle |
| C007-10B-025-0001 | 25        | Straight    |
| C007-10B-025-1001 | 25        | Right Angle |
| C007-10B-026-0001 | 26        | Straight    |
| C007-10B-026-1001 | 26        | Right Angle |
| C007-10B-030-0001 | 30        | Straight    |
| C007-10B-030-1001 | 30        | Right Angle |

## PCI-EXPRESS



## PCI-EXPRESS CARD EDGE CONNECTOR LINE

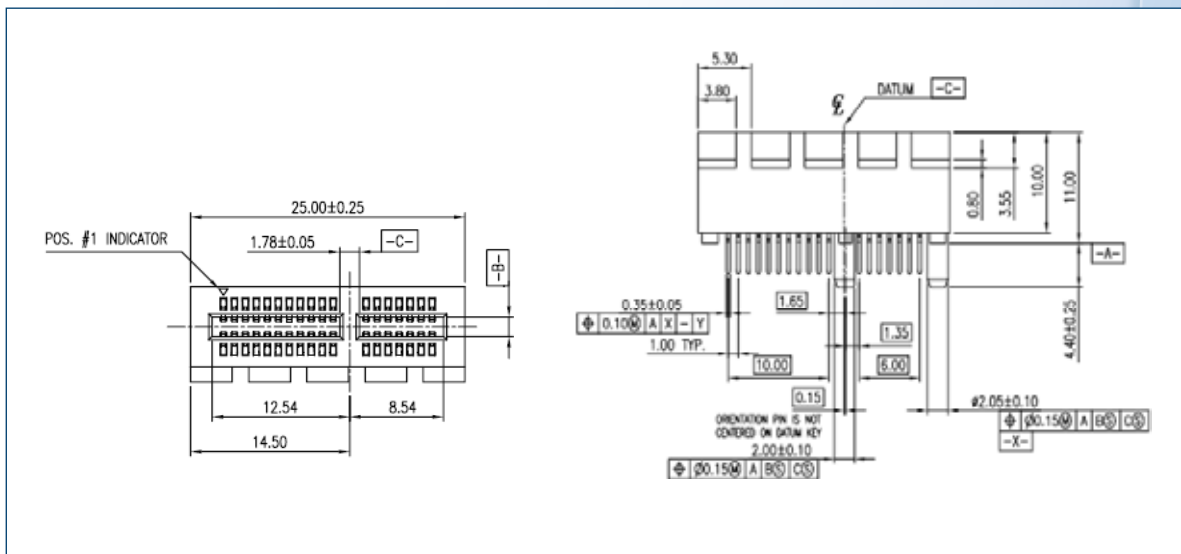


### Specifications:

|                                       |
|---------------------------------------|
| Contact Resistance: 20 mohm Max       |
| Insulation Resistance: 1000 Mohms Min |
| Current Rating: 1.1A maximum          |
| Voltage rating: 50V AC rms            |
| Operating temperature: 0 ~ 65°C       |

### Materials:

|                                                           |
|-----------------------------------------------------------|
| Insulator: High temperature thermoplastic, UL 94V-0 rated |
| Contact: Copper Alloy, Gold flash, 15U" gold or 30U" gold |
| Shell: Phosphor bronze                                    |



### Part Numbers:

| AMTA P/N     | Positions               | Board Mount Type | PCB Thickness | Plating |
|--------------|-------------------------|------------------|---------------|---------|
| G630E3601210 | 36 (1 Port)             | Plastic Locator  | 1.56mm        | G/F     |
| G630E3611210 |                         |                  |               | 15u"    |
| G630E6401210 | 64 (4 Ports)            | Plastic Locator  | 1.56mm        | G/F     |
| G630E6411210 |                         |                  |               | 15u"    |
| G630E9801210 | 98 (8 Ports)            | Plastic Locator  | 1.56mm        | G/F     |
| G630E9811210 |                         |                  |               | 15u"    |
| G630EAA03220 | 164 (16 Ports) w/ Latch | Metal Boardlock  | 1.56mm        | G/F     |
| G630EAA13220 |                         |                  |               | 15u"    |

## MEMORY CARD CONNECTOR



## SINGLE CARD – SD CONNECTOR

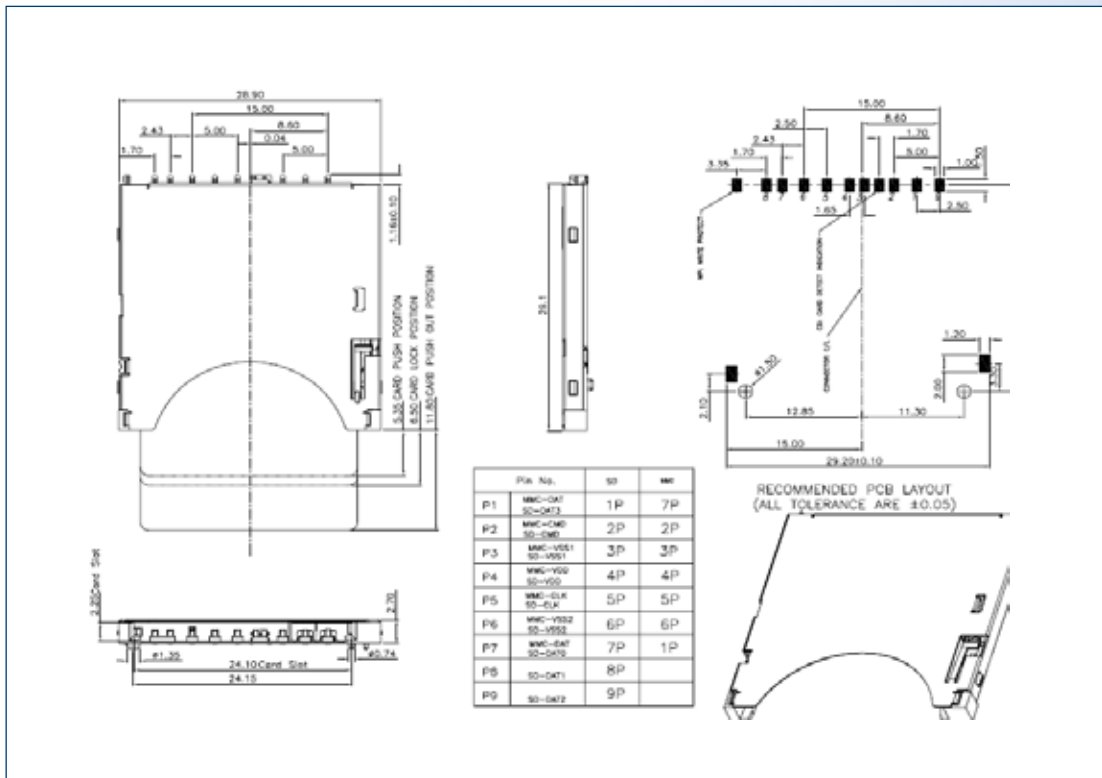


### Specifications:

|                                                                               |
|-------------------------------------------------------------------------------|
| Contact Resistance: 100 mΩ max at 100 mA DC                                   |
| Insulation Resistance: 100 MΩ minimum at 250 VDC                              |
| Voltage rating: 100V AC                                                       |
| Dielectric Strength: 500 VAC/RMS initial and 250VAC/RMS at 60 Hz for 1 minute |
| Operating Temperature: -20°C to +65°C                                         |

### Materials:

|                                                                                         |
|-----------------------------------------------------------------------------------------|
| Insulator: High temperature thermoplastic, UL 94-0                                      |
| Contact: Copper alloy, selective gold plated on contact area, tin plated on solder tail |
| Shell: Copper alloy, selective gold flash plated on solder tail                         |



### Part Numbers:

|              | Description                                           |
|--------------|-------------------------------------------------------|
| 101-00313-64 | SD P-P Connector, Stand-off = 0mm, 1u " Au plated     |
| 101-00313-68 | SD P-P Connector, Stand-off = 0mm, 15u " Au plated    |
| 101-00313-69 | SD P-P Connector, Stand-off = 0mm, 30 u " Au plated   |
| 101-00405-64 | SD P-P Connector, Stand-off = 1.8mm, 1u " Au plated   |
| 101-00405-68 | SD P-P Connector, Stand-off = 1.8mm, 15u " Au plated  |
| 101-00405-69 | SD P-P Connector, Stand-off = 1.8mm, 30 u " Au plated |

## SINGLE CARD-CF CONNECTOR

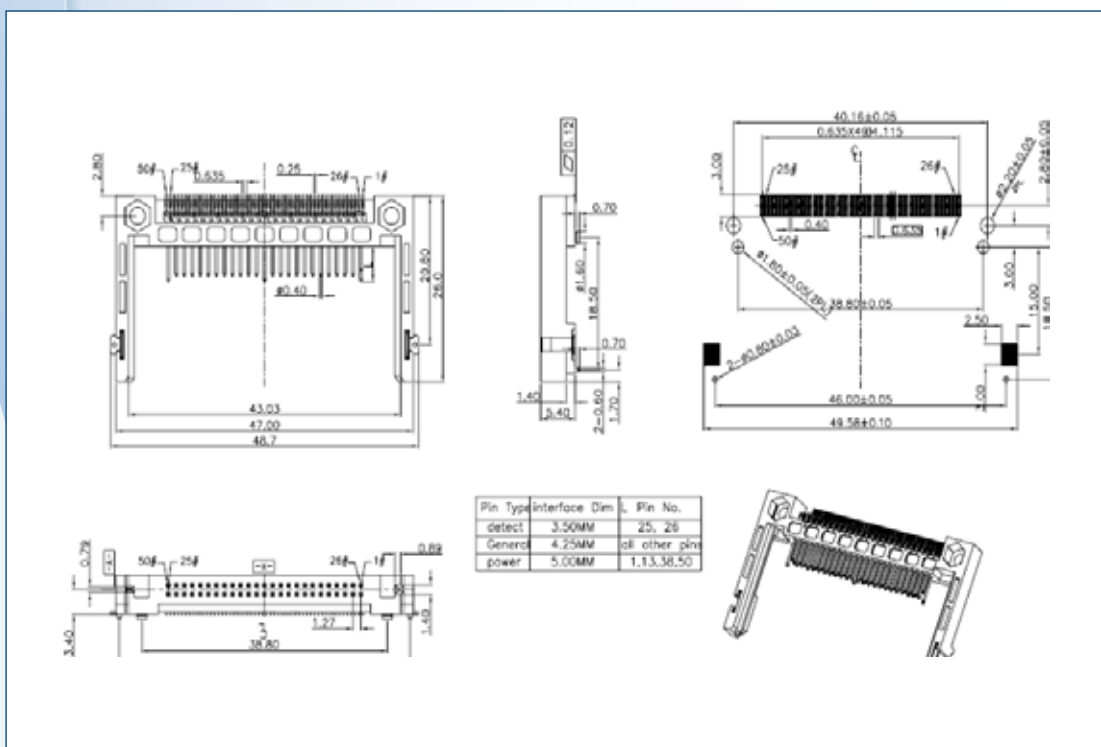


### Specifications:

|                                                                                  |
|----------------------------------------------------------------------------------|
| Contact Resistance: 40 mΩ max at 100 mA DC                                       |
| Insulation Resistance: 1000 MΩ minimum at 250 VDC                                |
| Voltage rating: 100V AC                                                          |
| Dielectric Strength: 500 VAC/RMS initial and<br>250VAC/RMS at 60 Hz for 1 minute |
| Operating Temperature: -20°C to +60°C                                            |

### Materials:

|                                                                                            |
|--------------------------------------------------------------------------------------------|
| Insulator: High temperature thermoplastic, UL 94-0                                         |
| Contact: Copper alloy, selective gold plated on contact<br>area, tin plated on solder tail |
| Ground : Copper alloy, Tin plated on solder tail over<br>Nickel plated                     |



### Part Numbers:

| P/N          | Description                                                                                      |
|--------------|--------------------------------------------------------------------------------------------------|
| 101-00178-68 | CF, Ultra short body, 15 u " Au plated                                                           |
| 101-00205-64 | CF, Stand-off = 1.4mm, 1 u " Au plated                                                           |
| 101-00205-68 | CF, Stand-off = 1.4mm, 15 u " Au plated                                                          |
| 101-00205-69 | CF, Stand-off = 1.4mm, 30 u " Au plated                                                          |
| 101-00140-64 | CF, L=26.00mm, post=40.16, Hexagon screw hole, Stand-off=1.4mm, w/ Metal shell, 1 u " Au plated  |
| 101-00140-68 | CF, L=26.00mm, post=40.16, Hexagon screw hole, Stand-off=1.4mm, w/ Metal shell, 15 u " Au plated |
| 101-00140-69 | CF, L=26.00mm, post=40.16, Hexagon screw hole, Stand-off=1.4mm, w/ Metal shell, 30 u " Au plated |
| 101-00265-64 | CF, L=26.00mm, post=38.80, Hexagon screw hole, Stand-off=1.4mm, w/ Metal shell, 1 u " Au         |
| 101-00265-68 | CF, L=26.00mm, post=38.80, Hexagon screw hole, Stand-off=1.4mm, w/ Metal shell, 15 u " Au        |
| 101-00265-69 | CF, L=26.00mm, post=38.80, Hexagon screw hole, Stand-off=1.4mm, w/ Metal shell, 30 u " Au        |

## MINIATURE CARD – MICRO SD CONNECTOR

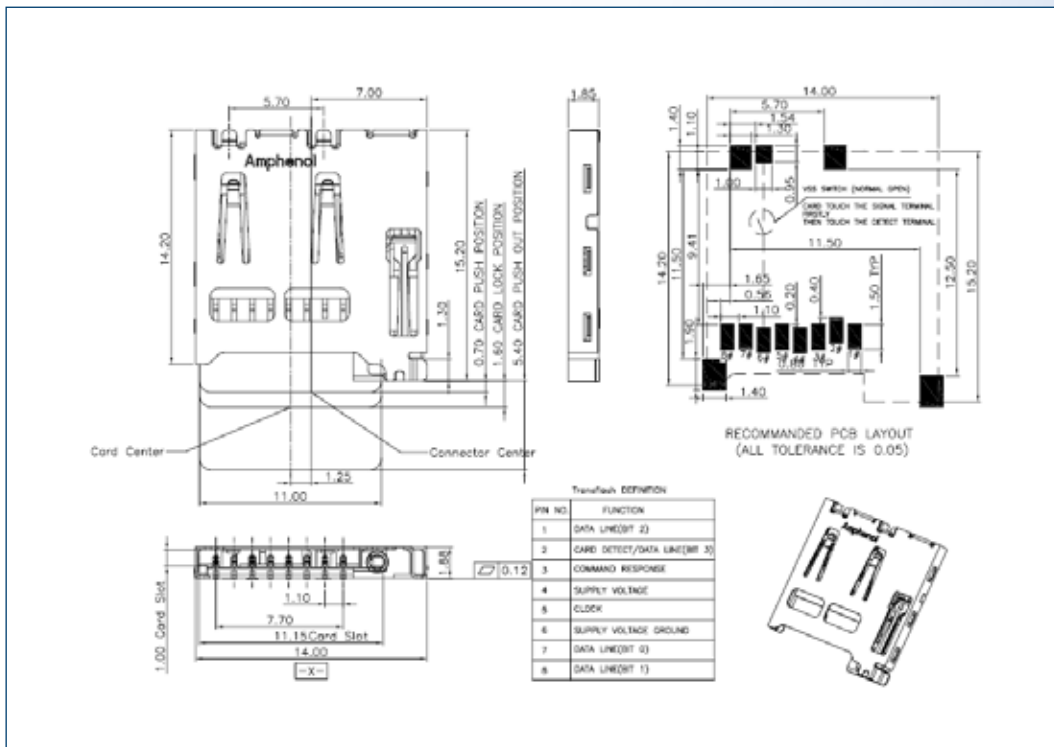


### Specifications:

|                                                                                  |
|----------------------------------------------------------------------------------|
| Contact Resistance: 100 mΩ max at 100 mA                                         |
| Insulation Resistance: 1000 MΩ min at 500 VDC                                    |
| Voltage rating: 100V AC                                                          |
| Current Rating: 0.5 A per contact                                                |
| Dielectric Strength: 500 VAC/RMS initial and 250 VAC final at 60 Hz for 1 minute |
| Operating Temperature: -25°C to +85°C                                            |

### Materials:

|                                                                            |
|----------------------------------------------------------------------------|
| Housing: High Temperature thermoplastic, UL94V-0 rated                     |
| Contact: Copper alloy with selective Au plating, Tin plated on solder tail |
| Cover: Copper alloy nickel overall                                         |



### Part Numbers:

| P/N          | Description                                         |
|--------------|-----------------------------------------------------|
| 101-00112-68 | Micro-SD 8P p-p, w/o C/D, 15 u " Au plated          |
| 101-00139-64 | Micro-SD 9P p-p, w/ C/D, 1 u " Au plated            |
| 101-00139-68 | Micro-SD 9P p-p, w/ C/D, 15 u " Au plated           |
| 101-00139-69 | Micro-SD 9P p-p, w/ C/D, 30 u " Au plated           |
| 101-00240-64 | Micro-SD 8P, manual, w/ C/D, 1 u " Au plated        |
| 101-00240-68 | Micro-SD 8P, manual, w/ C/D, 15 u " Au plated       |
| 101-00240-69 | Micro-SD 8P, manual, w/ C/D, 30 u " Au plated       |
| 101-00349-64 | Micro-SD 9P p-p, w/ C/D, 1 u " Au plated            |
| 101-00349-68 | Micro-SD 9P p-p, w/ C/D, 15 u " Au plated           |
| 101-00349-69 | Micro-SD 9P p-p, w/ C/D, 30 u " Au plated           |
| 101-00303-68 | Micro SD Hinge Type, 15 u " Au plated               |
| 101-00581-59 | Micro-SD p-p w/ C/D (Normal Close), 20u " Au plated |

## MINIATURE CARD –SIM + MICRO-SD COMBO CONNECTOR

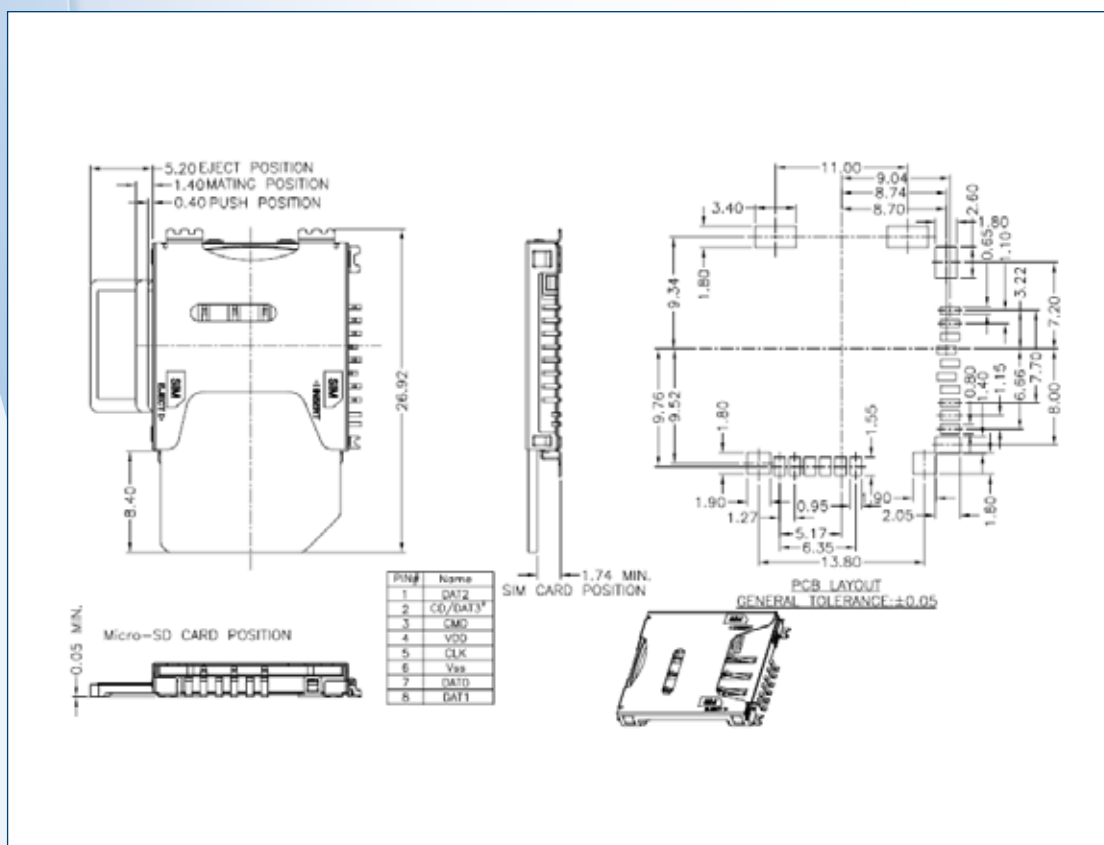


### Specifications:

|                                                                                  |
|----------------------------------------------------------------------------------|
| Contact Resistance: 100 mΩ max at 100 mA                                         |
| Insulation Resistance: 1000 MΩ min at 500 VDC                                    |
| Voltage rating: 100V AC                                                          |
| Current Rating: 0.5 A per contact                                                |
| Dielectric Strength: 500 VAC/RMS initial and 250 VAC final at 60 Hz for 1 minute |
| Operating Temperature: -25°C to +70°C                                            |

### Materials:

|                                                                            |
|----------------------------------------------------------------------------|
| Housing: High Temperature thermoplastic, UL94V-0 rated                     |
| Contact: Copper alloy with selective Au plating, Tin plated on solder tail |
| Cover: Copper alloy nickel overall                                         |



### Part Numbers:

| P/N          | Description                                      |
|--------------|--------------------------------------------------|
| 101-00294-68 | SIM + Micro-SD p-p, Combo, 15 u " Au plated      |
| 101-00359-68 | Dual SIM + Micro SD p-p, Combo, 15 u " Au plated |

## MINIATURE CARD –SIM + MICRO-SD COMBO CONNECTOR

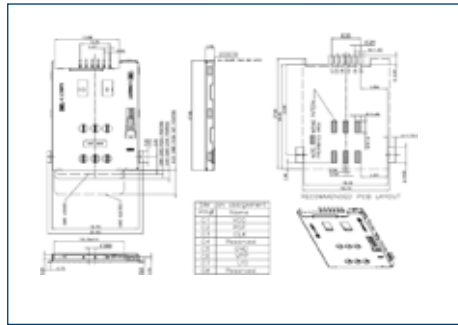


### Specifications:

|                                                                                  |
|----------------------------------------------------------------------------------|
| Contact Resistance: 50 mΩ max at 100 mA                                          |
| Insulation Resistance: 500 MΩ min at 500 VDC                                     |
| Voltage rating: 100V AC                                                          |
| Current Rating: 0.5 A per contact                                                |
| Dielectric Strength: 500 VAC/RMS initial and 250 VAC final at 60 Hz for 1 minute |
| Operating Temperature: -25°C to +85°C                                            |

### Materials:

|                                                                            |
|----------------------------------------------------------------------------|
| Housing: High Temperature thermoplastic, UL94V-0 rated                     |
| Contact: Copper alloy with selective Au plating, Tin plated on solder tail |
| Cover: SUS Nickle overall                                                  |



### Part Numbers:

| P/N          | Description                                         |
|--------------|-----------------------------------------------------|
| 101-00269-64 | SIM 6P p-p, Normal Type, w/o C/D, 1 u " Au plated   |
| 101-00269-68 | SIM 6P p-p, Normal Type, w/o C/D, 15 u " Au plated  |
| 101-00269-69 | SIM 6P p-p, Normal Type, w/o C/D, 30 u " Au plated  |
| 101-00270-64 | SIM 6P p-p, Reverse Type, w/o C/D, 1 u " Au plated  |
| 101-00270-68 | SIM 6P p-p, Reverse Type, w/o C/D, 15 u " Au plated |
| 101-00270-69 | SIM 6P p-p, Reverse Type, w/o C/D, 30 u " Au plated |

| P/N          | Description                                         |
|--------------|-----------------------------------------------------|
| 101-00271-64 | SIM 8P p-p, Normal Type, w/ C/D, 1 u " Au plated    |
| 101-00271-68 | SIM 8P p-p, Normal Type, w/ C/D, 15 u " Au plated   |
| 101-00271-69 | SIM 8P p-p, Normal Type, w/ C/D, 30 u " Au plated   |
| 101-00272-64 | SIM 8P p-p, Reverse Type, w/ C/D, 1 u " Au plated   |
| 101-00272-68 | SIM 8P p-p, Reverse Type, w/ C/D, 15 u " Au plated  |
| 101-00272-69 | SIM 8P p-p, Reverse Type, w/ C/D, 30 u " Au plated  |
| 101-00306-64 | SIM 8P p-p, Reverse Type, w/ C/D, 1 u " Au plated   |
| 101-00306-68 | SIM 8P p-p, Reverse Type, w/ C/D, 15 u " Au plated  |
| 101-00306-69 | SIM 8P p-p, Reverse Type, w/ C/D, 30 u " Au plated  |
| 101-00309-64 | SIM 8P p-p, Normal Type, w/o C/D, 1 u " Au plated   |
| 101-00309-68 | SIM 8P p-p, Normal Type, w/o C/D, 15 u " Au plated  |
| 101-00309-69 | SIM 8P p-p, Normal Type, w/o C/D, 30 u " Au plated  |
| 101-00364-64 | SIM 8P p-p, Reverse Type, w/o C/D, 1 u " Au plated  |
| 101-00364-68 | SIM 8P p-p, Reverse Type, w/o C/D, 15 u " Au plated |
| 101-00364-69 | SIM 8P p-p, Reverse Type, w/o C/D, 30 u " Au plated |
| 101-00365-64 | SIM 6P p-p, Reverse Type, w/ C/D, 1 u " Au plated   |
| 101-00365-68 | SIM 6P p-p, Reverse Type, w/ C/D, 15 u " Au plated  |
| 101-00365-69 | SIM 6P p-p, Reverse Type, w/ C/D, 30 u " Au plated  |

## COMBO CARD –MEMORY COMBO CONNECTOR

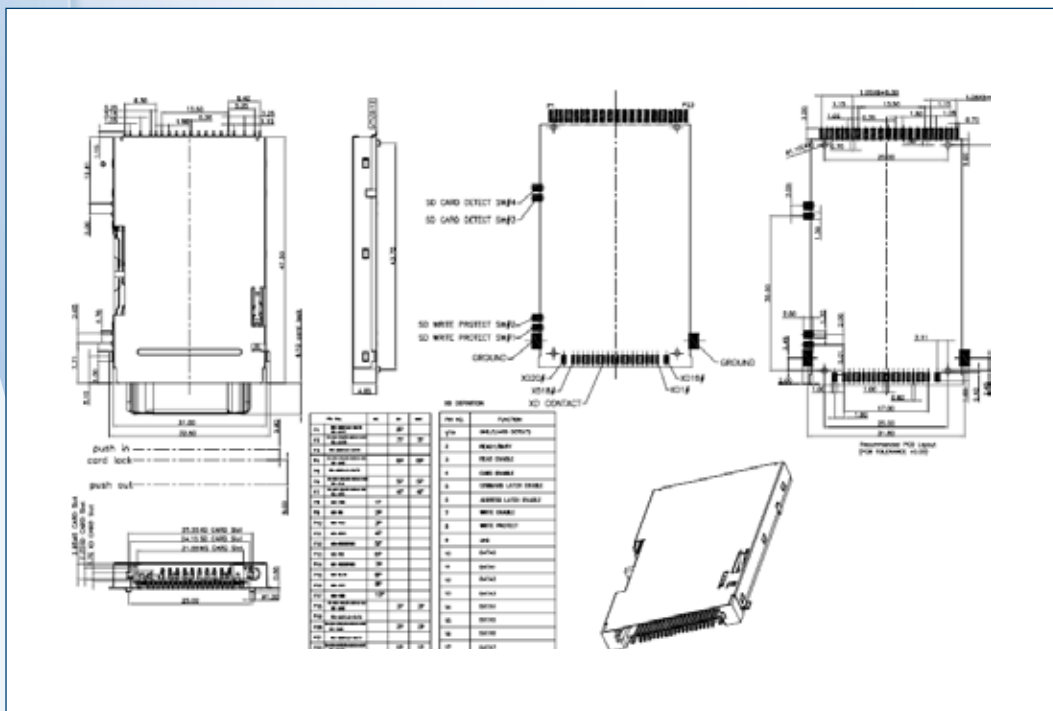


### Specifications:

|                                                                                  |
|----------------------------------------------------------------------------------|
| Contact Resistance: 100 mΩ max at 100 mA                                         |
| Insulation Resistance: 1000 MΩ min at 500 VDC                                    |
| Voltage rating: 250 V AC                                                         |
| Current Rating: 0.5 A per contact                                                |
| Dielectric Strength: 500 VAC/RMS initial and 250 VAC final at 60 Hz for 1 minute |
| Operating Temperature: -25°C to +60°C                                            |

### Materials:

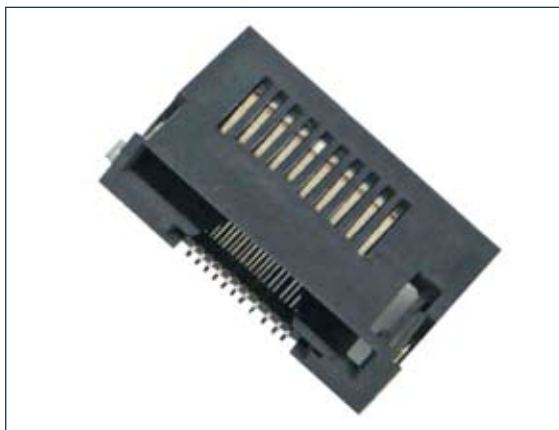
|                                                                            |
|----------------------------------------------------------------------------|
| Housing: High Temperature thermoplastic, UL94V-0 rated                     |
| Contact: Copper alloy with selective Au plating, Tin plated on solder tail |
| Cover: Copper alloy with Nickle plated overall                             |



### Part Numbers:

| P/N          | Description                                                     |
|--------------|-----------------------------------------------------------------|
| 101-00295-64 | 4-in-1 Memory Combo Conn., Card-End Even Type, 1 u " Au plated  |
| 101-00295-68 | 4-in-1 Memory Combo Conn., Card-End Even Type, 15 u " Au plated |
| 101-00295-69 | 4-in-1 Memory Combo Conn., Card-End Even Type, 30 u " Au plated |
| 101-00412-64 | 4-in-1 Combo, PCB, Card-End Un-even Type, 1 u " Au plated       |
| 101-00412-68 | 4-in-1 Combo, PCB, Card-End Un-even Type, 15 u " Au plated      |
| 101-00412-69 | 4-in-1 Combo, PCB, Card-End Un-even Type, 30 u " Au plated      |
| 101-00402-64 | 3-in-1 Combo, Card-End Un-even Type, 1 u " Au plated            |
| 101-00402-68 | 3-in-1 Combo, Card-End Un-even Type, 15 u " Au plated           |
| 101-00402-69 | 3-in-1 Combo, Card-End Un-even Type, 30 u " Au plated           |
| 101-00578-64 | 3-in-1 Combo, Card-End Even Type, 1 u " Au plated               |
| 101-00578-68 | 3-in-1 Combo, Card-End Even Type, 15 u " Au plated              |
| 101-00578-69 | 3-in-1 Combo, Card-End Even Type, 30 u " Au plated              |

## COMBO CARD –MEMORY COMBO CONNECTOR

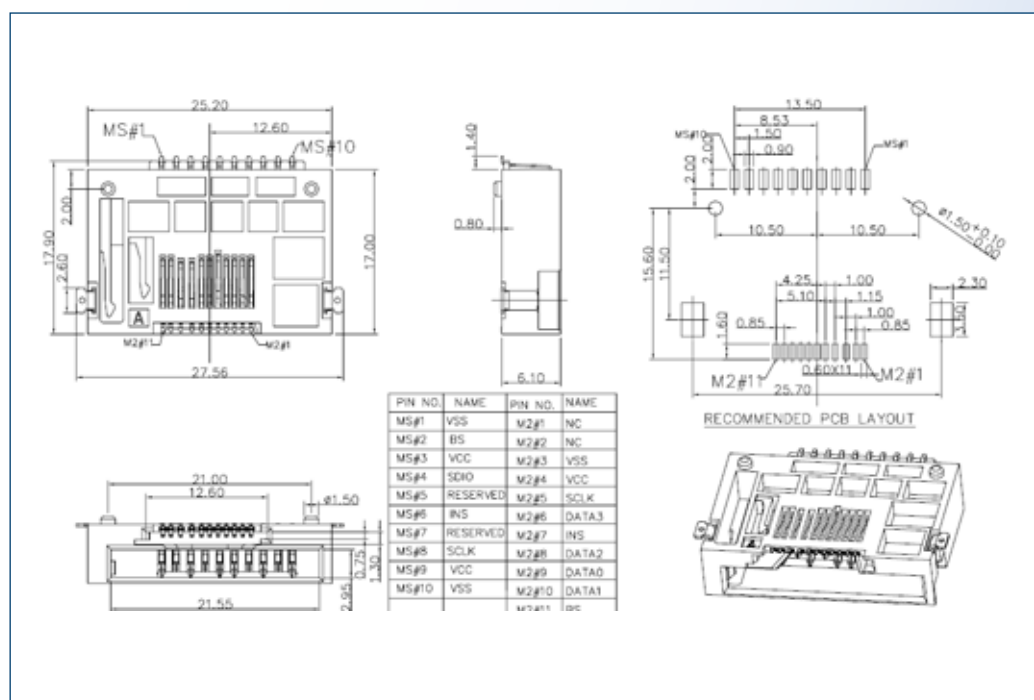


### Specifications:

|                                                                                  |
|----------------------------------------------------------------------------------|
| Contact Resistance: 100 mΩ max at 100 mA                                         |
| Insulation Resistance: 1000 MΩ min at 500 VDC                                    |
| Voltage rating: 100 V AC                                                         |
| Current Rating: 0.5 A per contact                                                |
| Dielectric Strength: 500 VAC/RMS initial and 250 VAC final at 60 Hz for 1 minute |
| Operating Temperature: -25°C to +60°C                                            |

### Materials:

|                                                                             |
|-----------------------------------------------------------------------------|
| Housing: High Temperature thermoplastic, UL94V-0 rated                      |
| Contact: Copper alloy with selective Au plating, 0Tin plated on solder tail |
| Ground: Copper alloy with Nickle plated overall                             |



### Part Numbers:

| P/N          | Description                                  |
|--------------|----------------------------------------------|
| 101-00356-64 | 3-in-1 Conn (MS,MS Duo,M2), 1 u " Au plated  |
| 101-00356-68 | 3-in-1 Conn (MS,MS Duo,M2), 15 u " Au plated |
| 101-00356-69 | 3-in-1 Conn (MS,MS Duo,M2), 30 u " Au plated |

## ADAPTER – MINI SD TO SD

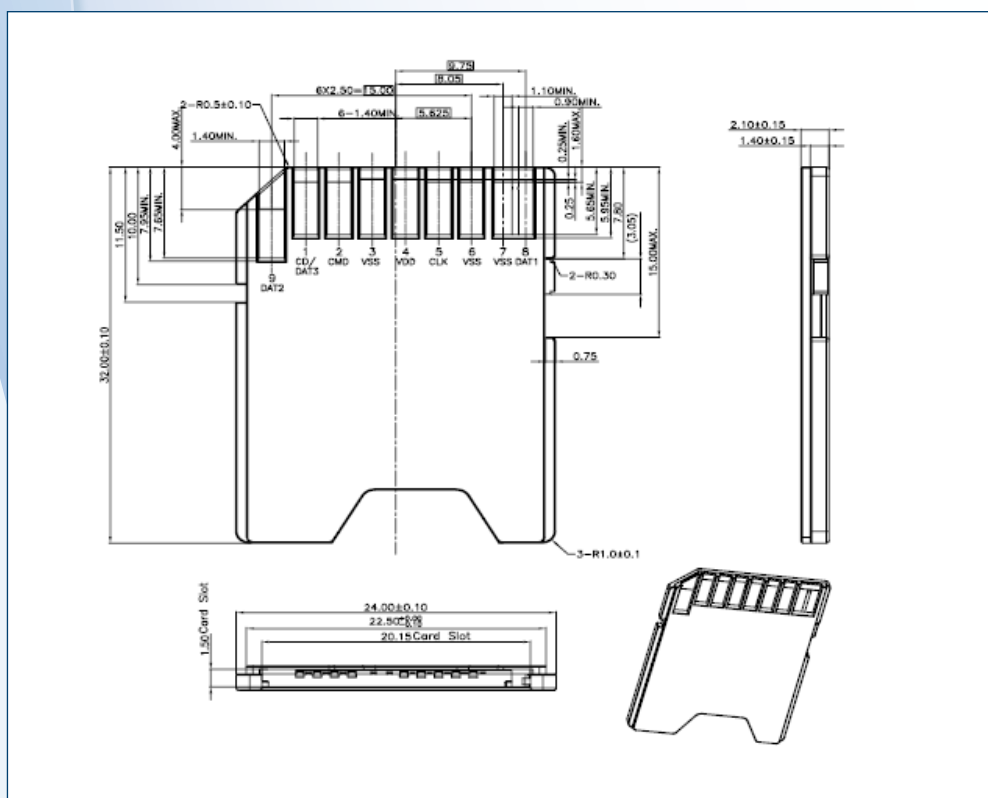


### Specifications:

|                                                                                  |
|----------------------------------------------------------------------------------|
| Contact Resistance: 100 mΩ max at 100 mA                                         |
| Insulation Resistance: 1000 MΩ min at 500 VDC                                    |
| Voltage rating: 100 V AC                                                         |
| Current Rating: 1 A per contact                                                  |
| Dielectric Strength: 500 VAC/RMS initial and 250 VAC final at 60 Hz for 1 minute |
| Operating Temperature: -25°C to +85°C                                            |

### Materials:

|                                                        |
|--------------------------------------------------------|
| Housing: High Temperature thermoplastic, UL94V-0 rated |
| Contact: Copper alloy with selective Au plating        |
| Latch : Stainless steel                                |



### Part Numbers:

| P/N          | Description                                     |
|--------------|-------------------------------------------------|
| 106-00069-10 | mini-SD to SD Adapter, 1 u " Au plated          |
| 106-00069-14 | mini-SD to SD Adapter, 15 u " Au plated         |
| 106-00069-15 | mini-SD to SD Adapter, 30 u " Au plated         |
| 106-00120-10 | mini-SD to SD Adapter w/shell, 1 u " Au plated  |
| 106-00120-14 | mini-SD to SD Adapter w/shell, 15 u " Au plated |
| 106-00120-15 | mini-SD to SD Adapter w/shell, 30 u " Au plated |

## ADAPTER – MICRO SD TO MINI SD

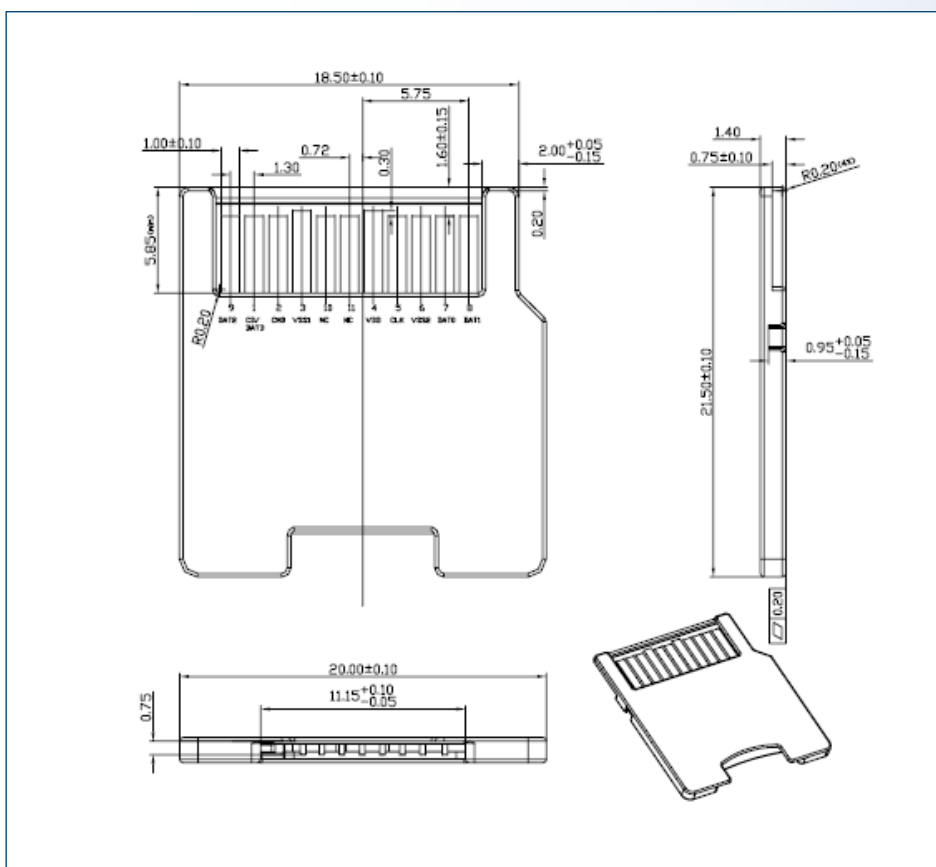


### Specifications:

|                                                                                  |
|----------------------------------------------------------------------------------|
| Contact Resistance: 140 mΩ max at 100 mA                                         |
| Insulation Resistance: 500 MΩ min at 500 VDC                                     |
| Voltage rating: 100 V AC                                                         |
| Current Rating: 1 A per contact                                                  |
| Dielectric Strength: 500 VAC/RMS initial and 250 VAC final at 60 Hz for 1 minute |
| Operating Temperature: -25°C to +85°C                                            |

### Materials:

|                                                        |
|--------------------------------------------------------|
| Housing: High Temperature thermoplastic, UL94V-0 rated |
| Contact: Copper alloy with selective Au plating        |
| Latch : Stainless steel                                |



### Part Numbers:

| P/N          | Description                                   |
|--------------|-----------------------------------------------|
| 106-00330-10 | micro-SD to mini-SD Adapter, 1 u " Au plated  |
| 106-00330-14 | micro-SD to mini-SD Adapter, 15 u " Au plated |
| 106-00330-15 | micro-SD to mini-SD Adapter, 30 u " Au plated |

## ADAPTER – MICRO SD TO SD

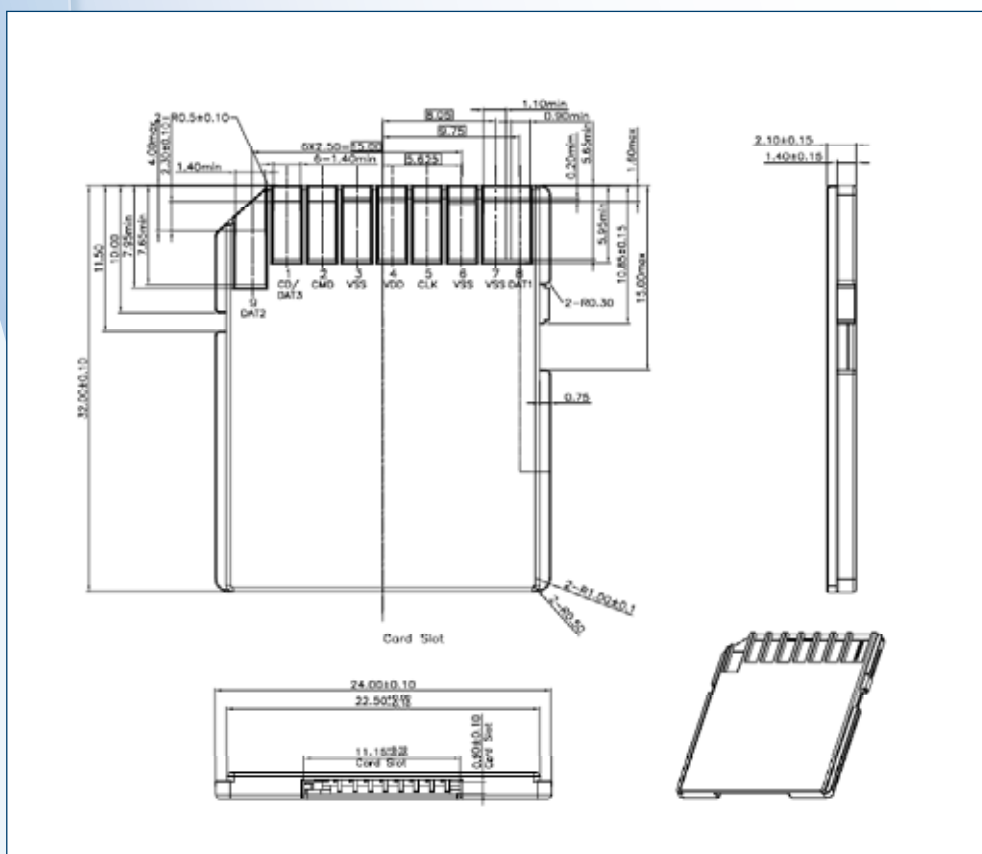


### Specifications:

|                                                                                  |
|----------------------------------------------------------------------------------|
| Contact Resistance: 100 mΩ max at 100 mA                                         |
| Insulation Resistance: 1000 MΩ min at 500 VDC                                    |
| Voltage rating: 100 V AC                                                         |
| Current Rating: 1 A per contact                                                  |
| Dielectric Strength: 500 VAC/RMS initial and 250 VAC final at 60 Hz for 1 minute |
| Operating Temperature: -25°C to +85°C                                            |

### Materials:

|                                                        |
|--------------------------------------------------------|
| Housing: High Temperature thermoplastic, UL94V-0 rated |
| Contact: Copper alloy with selective Au plating        |
| Latch : Stainless steel                                |



### Part Numbers:

| P/N          | Description                              |
|--------------|------------------------------------------|
| 106-00351-10 | micro-SD to SD Adapter, 1 u " Au plated  |
| 106-00351-14 | micro-SD to SD Adapter, 15 u " Au plated |
| 106-00351-15 | micro-SD to SD Adapter, 30 u " Au plated |



## BNC

**Specifications:**

Center Contact Resistance: 1,5 mΩ

Outer Contact Resistance: 1 mΩ

Insulation Resistance: 5000 mohm minimum

Dielectric withstanding voltage: 1500 Volts RMS

VSWR: 50 ohm: 1.3 max. 0-4GHz, 75 ohm:

1.05+0.1f(GHz) DC to 1 GHz.

**Materials:**

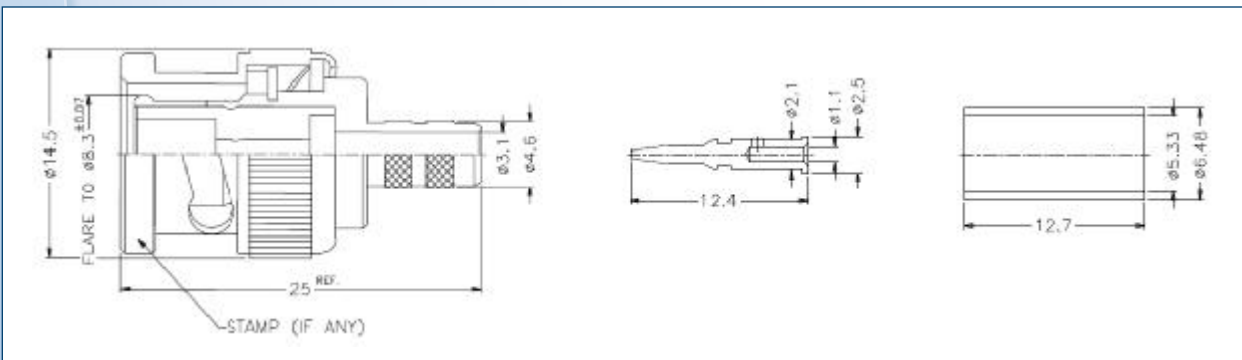
Male contact: Brass, Gold or Silver plated

Female contact: Phosphore Bronze (nominal) or

Beryllium Copper, Gold or Silver plated

Insulators: Teflon, Delrin, PBT polyester

Clamp gaskets: Silicone rubber, Synthetic rubber

**Part Numbers:**

| Part number            | Gender | Straight/ R/A | Cable Group | Ins.          | Imp. | Ace-tool |
|------------------------|--------|---------------|-------------|---------------|------|----------|
| B1121A1-ND3G-1A-50     | Male   | Straight      | 1A          | Delrin        | 50   | 3/4      |
| B1121A1-ND3G-1-50      |        |               | 1           | Delrin        | 50   | 3/4      |
| B1121A1-ND3G-3-50      |        |               | 3           | Delrin        | 50   | 4        |
| B1121A1-ND3G-3-75      |        |               | 3           | Delrin        | 75   | 4        |
| B1121A1-ND3G-8-75      |        |               | 8           | Delrin        | 75   | 4        |
| B1121A1-ND3G-16-75     |        |               | 16          | Delrin        | 75   | .180 hex |
| B1121A1-ND3G-7B-50     |        |               | 7B          | Delrin        | 50   | 4        |
| B1121A6-NT3G-7-50      |        |               | 7           | Teflon        | 50   | 4+6      |
| B1121A6-NT3G-7C-50     |        |               | 7C          | Teflon        | 50   | 6        |
| B1121A9-NT15G-18-75    |        |               | 18          | Teflon        | 75   | 2+4      |
| B1121E1-ND3G-5-50      | Female | Straight      | 5           | Delrin        | 50   | 3        |
| B1121E2-003-ND3G-6-75  |        |               | 6           | Delrin        | 75   | 3        |
| B1121H1-001-ND3G-14-50 |        |               | 14          | Delrin        | 50   | 9        |
| B6121A1-NT3G-1-50      |        |               | 1           | Teflon        | 50   | 3/4      |
| B6121A1-NT3G-3-75      |        |               | 3           | Teflon        | 75   | 4        |
| B6121A2-NT3G-8A-75     |        |               | 8A          | Teflon        | 75   | 2+5      |
| B6121B1-ND3G-16-75     |        |               | 16          | Delrin        | 75   | 9        |
| B6121E1-ND3G-5-50      |        |               | 5           | Delrin        | 50   | 9        |
| B6421A1-NT3G-1-50      |        |               | 1           | Teflon        | 50   | 4        |
| B6421A1-NT3G-3-75      |        |               | 3           | Teflon        | 75   | 4        |
| B6421E1-ND3G-6-75      |        |               | 6           | Delrin        | 75   | 9        |
| B6421G1-ND3G-14-50     |        |               | 14          | Delrin        | 50   | 1/2      |
| B625100-009-NT3G-50    |        | R/A           | N/A         | Teflon        | 50   |          |
| B6251C1-NT3G-50        |        |               | N/A         | Teflon        | 50   |          |
| B6551E1-001-NT3G-50    |        |               | N/A         | Teflon        | 50   |          |
| B6252H6-NPP3G-75T      |        |               | N/A         | PBT Polyester | 75   |          |
| B6252H8-NPP3G-75T      |        |               | N/A         | PBT Polyester | 75   |          |

## MCX

**Specifications:**

Center Contact Resistance: 5 mΩ

Outer Contact Resistance: 1 mΩ

Insulation Resistance: 5000 mohm minimum

Dielectric withstanding voltage @ sea level: 1000 Volts

Temperature range: -65°C to 165°C

**Materials:**

Male contact: Brass per QQB-626

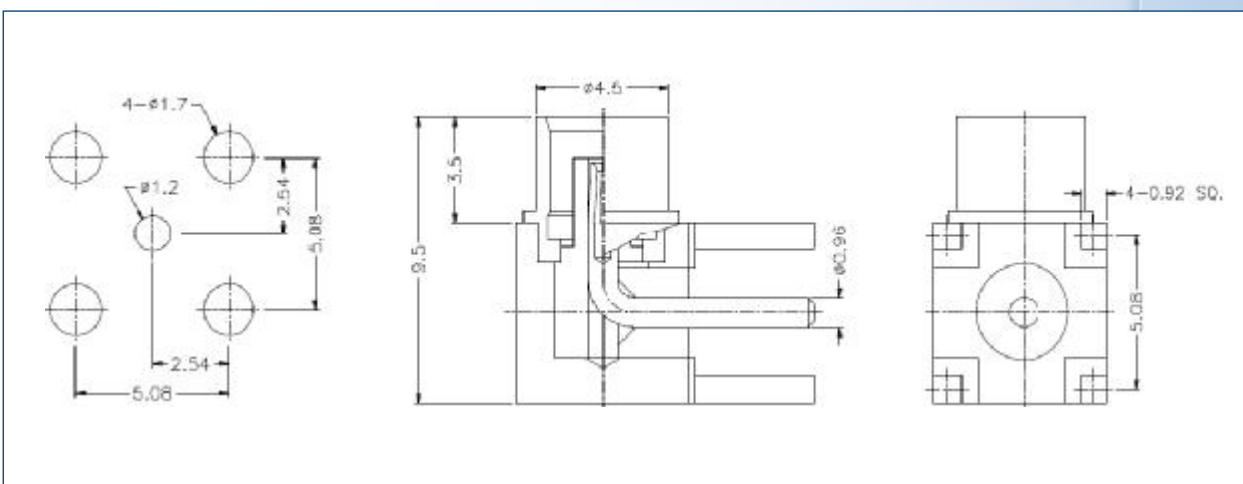
Female contact: Beryllium copper per QQC-530,  
heat treated per MIL-H-7199

Contact plating: 30μ" Gold

Body, Metal Parts: Brass per QQB-626

Insulator: PTFE

Gasket:

**Part Numbers:**

|                        | Gender | Mount type | Connect type | Type outline | Manufacturing  | Cable Group | Ace-tool |
|------------------------|--------|------------|--------------|--------------|----------------|-------------|----------|
| MCX1112A1-3GT30G-5-50  | Male   | Cable      | Single crimp | R/A          | Machined Brass | 5           | 1        |
| MCX1121A1-3GT30G-14-50 |        |            | Double crimp | Straight     | Machined Brass | 14          | 1        |
| MCX1121A1-3GT30G-5-50  |        |            | Double crimp | Straight     | Machined Brass | 5           | 1        |
| MCX6121A1-3GT30G-14-50 |        |            | Double crimp | Straight     | Machined Brass | 14          | 1        |
| MCX6121A1-3GT30G-5-50  |        |            | Double crimp | Straight     | Machined Brass | 5           | 1        |
| MCX6251A1-3GT30G-50    | Female | P.C. Board | Receptacle   | Straight     | Machined Brass | N/A         |          |
| MCX6252B1-3GT30G-50    |        |            | Receptacle   | R/A          | DieCast        | N/A         |          |

## MMCX



### Specifications:

Center Contact Resistance: 10 mΩ

Outer Contact Resistance: 3 mΩ

Insulation Resistance: 500 mΩ

Dielectric withstanding voltage @ sea level:

500 V rms, 50Hz

Temperature range: -40°C to 90°C

### Materials:

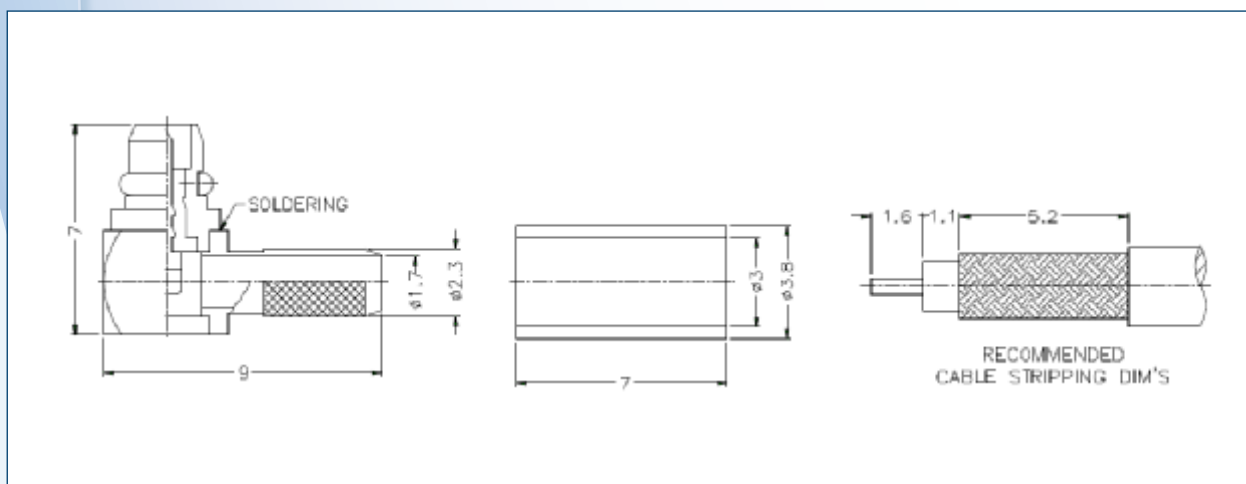
Leads: Beryllium copper with gold plating

Contact Socket: Beryllium copper with gold plating

Outer Conductor: Beryllium copper with gold plating

Housing (SMT): Liquid crystal polymer

Insulator: PTFE per ASTM-D1457



### Part Numbers:

|                         |        | Mount type | Connect type | Type outline | Manufacturing  | Cable Group | Acc-tool |
|-------------------------|--------|------------|--------------|--------------|----------------|-------------|----------|
| MMCX1112A1-3GT30G-14-50 | Male   | Cable      | Single crimp | R/A          | Machined Brass | 14          | 1        |
| MMCX1112A1-3GT30G-5-50  |        |            | Single crimp | R/A          | Machined Brass | 5           | 1        |
| MMCX1121A1-3GT30G-14-50 |        |            | Double crimp | Straight     | Machined Brass | 14          | 1        |
| MMCX1121A1-3GT30G-5-50  |        |            | Double crimp | Straight     | Machined Brass | 5           | 1        |
| MMCX6251N2-3GT30G-50    | Female | P.C. Board | Receptacle   | Straight     |                | N/A         |          |
| MMCX6252N1-3GT30G-50    |        |            | Receptacle   | R/A          |                | N/A         |          |

## N SERIES



### Specifications:

Center Contact Resistance: 1.0 mΩ

Outer Contact Resistance: 0.2 mΩ

Insulation Resistance: 5000 MΩ (min)

Dielectric withstanding voltage: 2500 Volts RMS

### Materials:

Center contact male: Brass, Gold or Silver plated

Center contact female: Phosphor Bronze or Beryllium

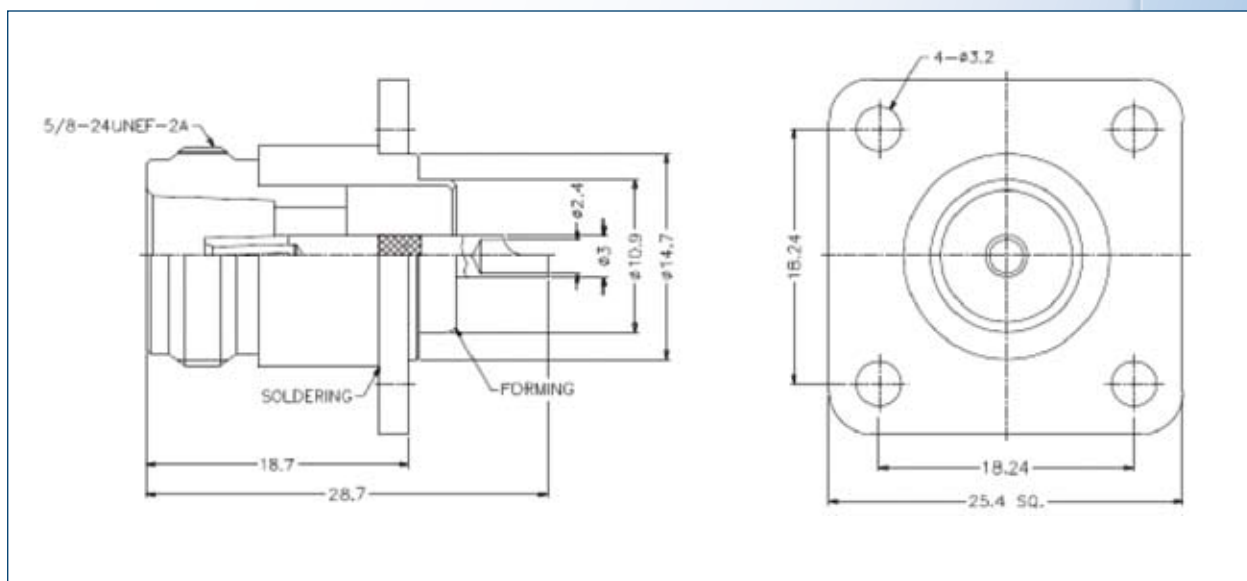
Copper, Gold or Silver plated

Metal parts: Brass, Nickel

Insulators: Teflon, None

Clamp gaskets: Silicone rubber, Synthetic rubber, None

Crimp ferrules: Annealed copper, Nickel



### Part Numbers:

|                    | Mount type    | Connect type | Manufacturing  | Cable | Ace-tool |
|--------------------|---------------|--------------|----------------|-------|----------|
| N6121A2-NT3G-7C-50 | Cable         | Double crimp |                | 7C    | 6        |
| N6421A1-NT3G-1A-50 | Rear Bulkhead |              | Machined Brass | 1A    | 4        |
| N6421A1-NT3G-1-50  |               |              | Machined Brass | 1     | 3/4      |
| N6551A1-NT3G-50    | Panel         |              | Machined Brass | N/A   |          |
| N6551E1-NT3G-50    |               | Receptacle   |                | N/A   |          |

## 1.0 / 2.3 SERIES



### Specifications:

Center Contact Resistance: 6 ohm

Outer Contact Resistance: 3 ohm

Insulation Resistance: 10,000 megaohms

Voltage rating: 250 Volts

Temperature Range: -40 to +155C

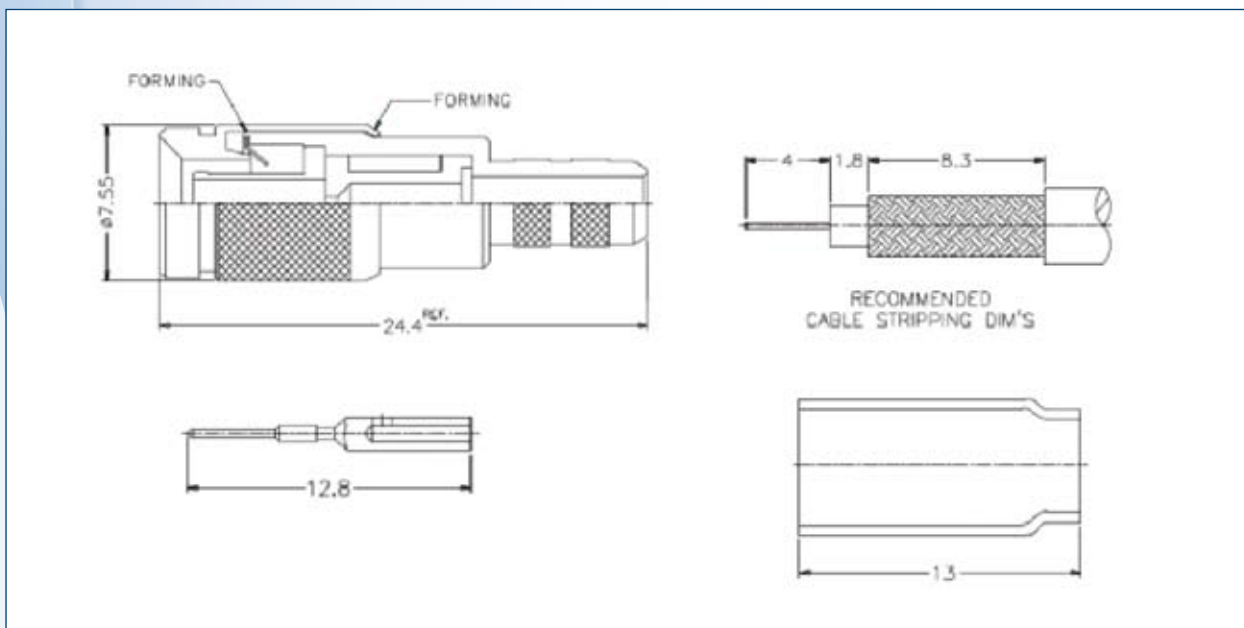
### Materials:

Male contact: Brass

Female contact: Beryllium Copper center and outer, gold plated

Insulators: Teflon

Crimp ferrules: Copper



### Part Numbers:

|                | Gender | Mount type    | Connect type | Type     | Manufacturing  | Product group | Ace-tool |
|----------------|--------|---------------|--------------|----------|----------------|---------------|----------|
| 1231112D1-E16A | Male   | Cable         | Single crimp | R/A      |                | 16A           | 3        |
| 1231121D1-E16A |        |               | Double crimp | Straight |                | 16A           | 3+5      |
| 1231121D1-E22  |        |               | Double crimp | Straight |                | 22            | 3+5      |
| 1231121D1-E20  |        |               | Double crimp | Straight |                | 20            | 2+6      |
| 1236412A1-E16A | Female | Rear Bulkhead | Single crimp | R/A      | Machined brass | 16A           | 3        |
| 1236412A1-E16  |        |               | Single crimp | R/A      | Machined brass | 16            | 3        |
| 1236412A1-E20  |        |               | Single crimp | R/A      | Machined brass | 20            | 2        |
| 1236252AF-ER2  |        | P.C. Board    | Receptacle   | R/A      |                | N/A           |          |

## 1.6/5.6 SERIES



### Specifications:

Center Contact Resistance: 4 ohm

Outer Contact Resistance: 2 ohm

Insulation Resistance: 10,000 megaohms

Voltage rating: 330 Volts

Temperature Range: -40 to +155C

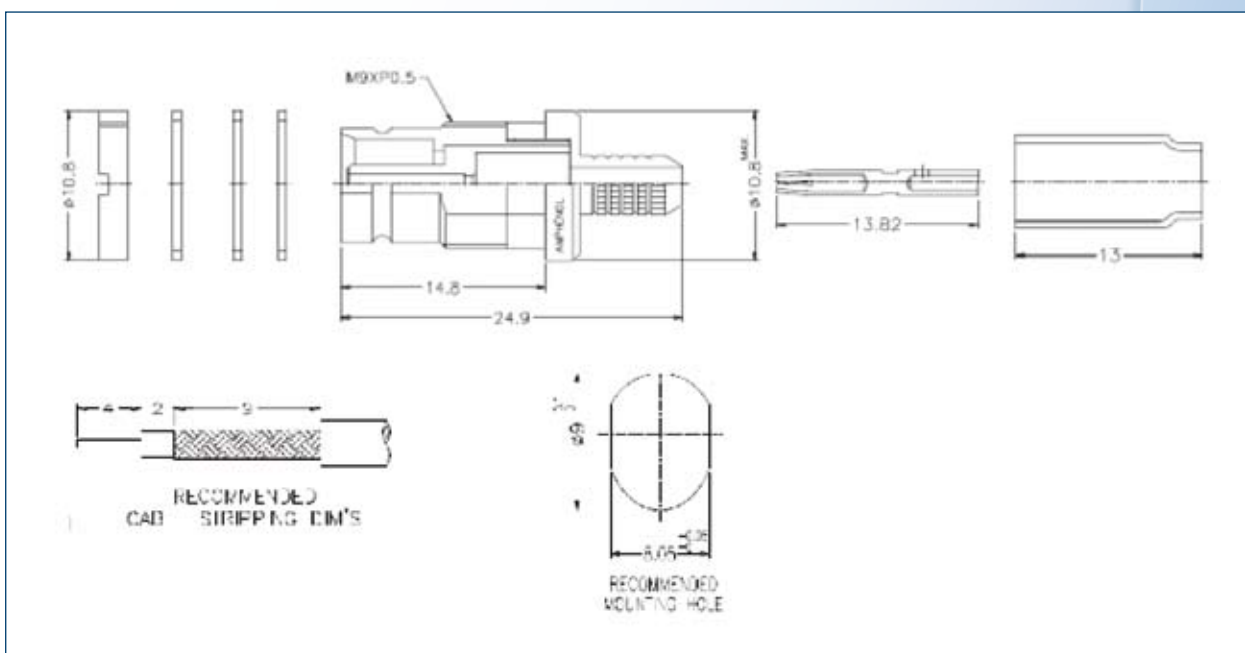
### Materials:

Male contact: Brass

Female contact: Beryllium Copper center and outer, gold plated

Insulators: Teflon

Crimp ferrules: Copper



### Part Numbers:

|                | Gender | Mount type    | Connect type | Type (outline) | Manufacturing  | Product group | Ace-tool |
|----------------|--------|---------------|--------------|----------------|----------------|---------------|----------|
| 1561121AF-E20  | Male   | Cable         | Double crimp | Straight       |                | 20            | 2+5      |
| 1566412A1-E16  | Female | Rear Bulkhead | Single crimp | R/A            | Machined brass | 16            | 3        |
| 1566421AF-E06  |        |               | Double crimp | Straight       |                | 06            | 1+5      |
| 1566421AF-E16A |        |               | Double crimp | Straight       |                | 16A           | 3+5      |
| 1566421AF-E16  |        |               | Double crimp | Straight       |                | 16            | 3+5      |
| 1566251PF-ES1  |        | P.C. Board    | Receptacle   | Straight       |                | N/A           |          |

## SMA SERIES

**Specifications:**

Contact Resistance: Center: 2 mohm, Body: 2 mohm,  
Braid to body: 0,5 mohm

Insulation Resistance: 5,000 megaohms

Voltage rating: RG-58, 141, 142: 500 volts peak  
RG-174, 188, 316: 375 volts peak

Temperature Range: -65 to +165C

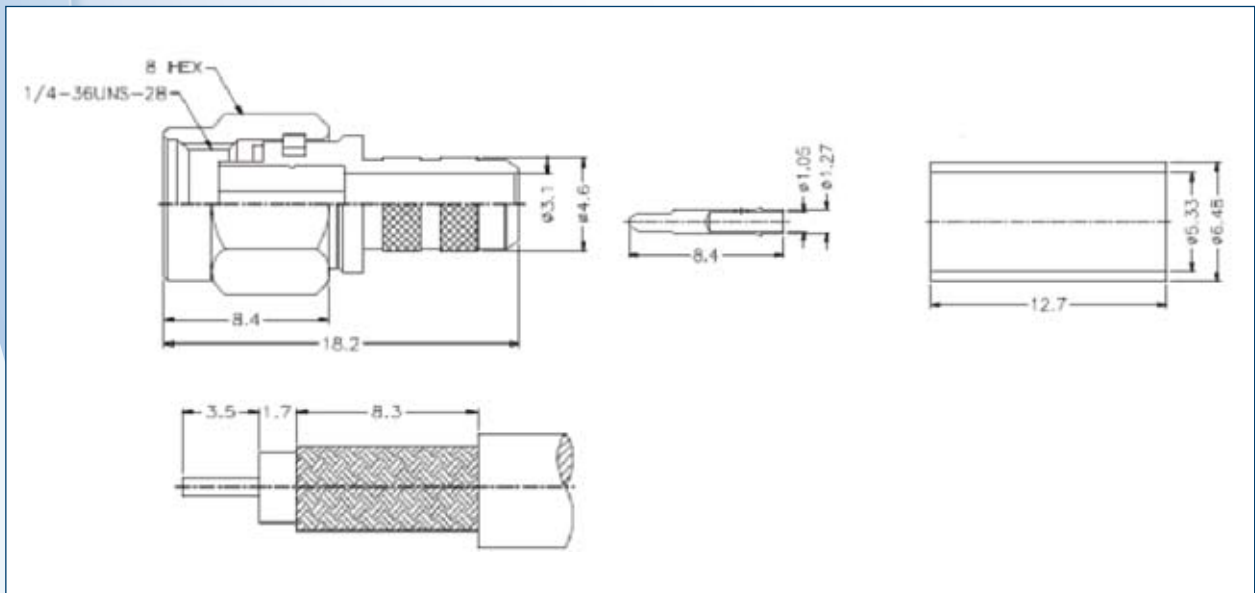
**Materials:**

Male contact: Brass

Female contact: Beryllium Copper , gold plated

Insulators: TFE fluorocarbon

Bodies, Coupling, Nuts: Brass per QQ-B-626

**Part Numbers:**

|                         | Gender | Mount type    | Connect type | Type (outline) | Manu-<br>facturing | Product group | Ace-tool |
|-------------------------|--------|---------------|--------------|----------------|--------------------|---------------|----------|
| SMA1111A1-3GT50G-1A-50  | Male   | Cable         | Single crimp | Straight       | Machined brass     | 1A            | 3/4      |
| SMA1111A1-3GT50G-1-50   |        |               |              | Straight       |                    | 1             | 3/4      |
| SMA1111A2-3GT50G-5-50   |        |               |              | Straight       |                    | 5             | 1/2      |
| SMA1111A6-3GT50G-7B-50  |        |               |              | Straight       |                    | 7B            | 4        |
| SMA1112A3-3GT50G-14-50  |        |               |              | R/A            |                    | 14            | 1/2      |
| SMA1112A5-3GT50G-5-50   |        |               |              | R/A            |                    | 5             | 1/2      |
| SMA6251A1-008-3GT50G-50 | Female | P.C. Board    | Receptacle   | Straight       |                    |               |          |
| SMA6252D1-3GT50G-50     |        |               |              | R/A            |                    |               |          |
| SMA6411A4-NT50G-5-50    |        | Rear Bulkhead | Single crimp | Straight       |                    | 5             | 1/2      |
| SMA6411G2-3GT50G-14-50  |        |               |              | Straight       |                    | 14            | 1/2      |
| SMA6551A1-3GT50G-50     |        | Panel         | Receptacle   | Straight       |                    |               |          |

# SMB SERIES

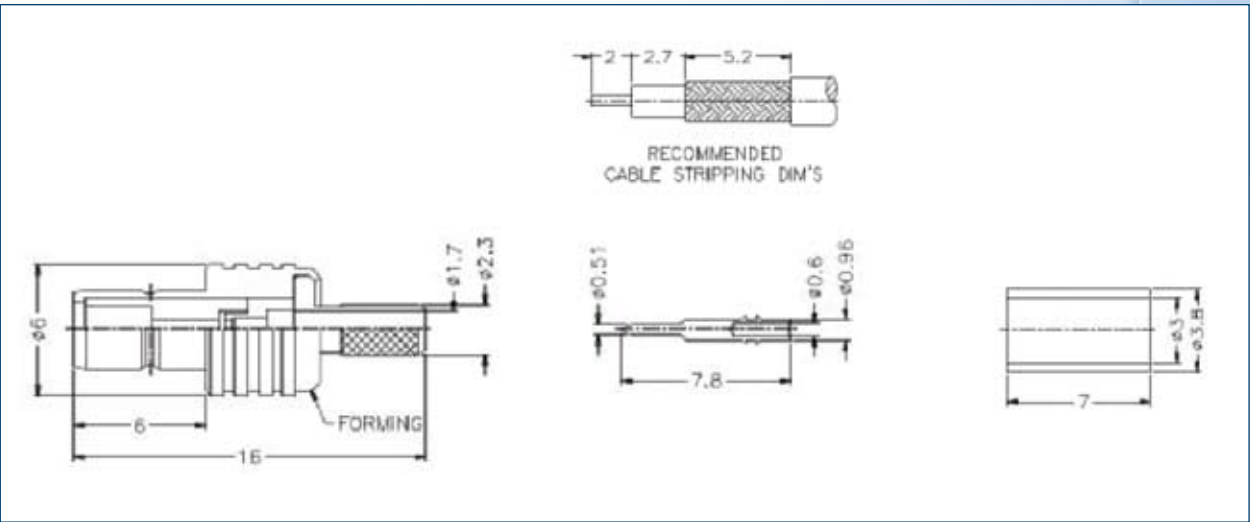


## Specifications:

|                                                       |
|-------------------------------------------------------|
| Contact Resistance: Center: 6 mohm, Outer: 1 mohm,    |
| Braid to body: 1 mohm                                 |
| Insulation Resistance: 1,000 megaohms                 |
| Voltage rating: RG-188/U Cable 335 volts at sea level |
| and 85 volts at 70,000 feet                           |
| Temperature Range: -65 to +165C                       |

## Materials:

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| Center contact: Male: Brass or beryllium copper, gold plated, Female: Beryllium Copper , gold plated |
| Insulators: TFE                                                                                      |
| Body: Brass per QQB-626, or zinc per ASTM B86-71                                                     |



## Part Numbers:

|                         | Gender | Mount type | Connect type | Type (outline) | Manu-facturing | Product group | Ace-tool |
|-------------------------|--------|------------|--------------|----------------|----------------|---------------|----------|
| SMB1121A1-3GT30G-14-50  | Male   | Cable      | Double crimp | Straight       | Machined brass | 14            | 1/2      |
| SMB1121A1-3GT30G-5-50   |        |            |              | Straight       | Machined brass | 5             | 1/2      |
| SMB1252PF-001-3GT30G-50 |        | P.C. Board | Receptacle   | R/A            |                |               |          |
| SMB6121A1-3GT30G-14-50  | Female | Cable      | Double crimp | Straight       | Machined brass | 14            | 1/2      |
| SMB6121A1-3GT30G-5-50   |        |            |              | Straight       | Machined brass | 5             | 1/2      |
| SMB6121AA-3GT30G-19-75  |        |            |              | Straight       |                | 19            | 3        |
| SMB6121AA-NT30G-6-75    |        |            |              | Straight       |                | 6             | 3        |
| SMB6252B1-3GT30G-50     |        | Panel      | Receptacle   | R/A            | DieCast        |               |          |
| SMB6252B1-3GT30G-75     |        |            |              | R/A            | DieCast        |               |          |

## TNC SERIES



### Specifications:

Contact Resistance: Center: 1,5 mohm,  
Outer: 0.2 mohm  
Dielectric Withstanding Voltage: 1,500 volts RMS  
Voltage rating: 500 volts peak  
Temperature Range: -65 to +165C  
VSWR: M39012 straight connectors: 1.3 max @ 0-11GHz,  
M39012 right angle connectors: 1.35 max @ 0-11 GHz

### Materials:

Center contact: Male: Brass or beryllium copper, gold plated, Female: Beryllium Copper , gold plated  
Insulators: TFE  
Body: Brass per QQB-626, or zinc per ASTM B86-71

### Part Numbers:

|                     | Gender | Mount type | Connect type | Type (outline) | Manu-facturing | Product group | Ace-tool |
|---------------------|--------|------------|--------------|----------------|----------------|---------------|----------|
| T1112A1-ND3G-1-50   | Male   | Cable      | Single Crimp | R/A            | Machined brass | 1             | 3/4      |
| T1121A1-ND3G-1A-50  |        |            | Double Crimp | Straight       | Machined brass | 1A            | 3/4      |
| T1121A1-ND3G-1-50   |        |            |              | Straight       | Machined brass | 1             | 3        |
| T1121G1-ND3G-5-50   |        |            |              | Straight       |                | 5             | 2        |
| T6121A1-ND3G-1A-50  | Female |            |              | Straight       | Machined brass | 1A            | 3/4      |
| T6121A1-NT3G-1-50   |        |            | Straight     |                | Machined brass | 1             | 3/4      |
| T6251C1-NT3G-50     |        | P.C. Board |              | Receptacle     | Straight       |               |          |
| T6252H7-NPP3G-50    |        |            | R/A          |                |                |               |          |
| T6551A1-NT3G-50     |        | Panel      | Straight     |                | Machined brass |               |          |
| T6551E1-001-NT3G-50 |        |            | Straight     |                |                |               |          |

## AMC CONNECTORS



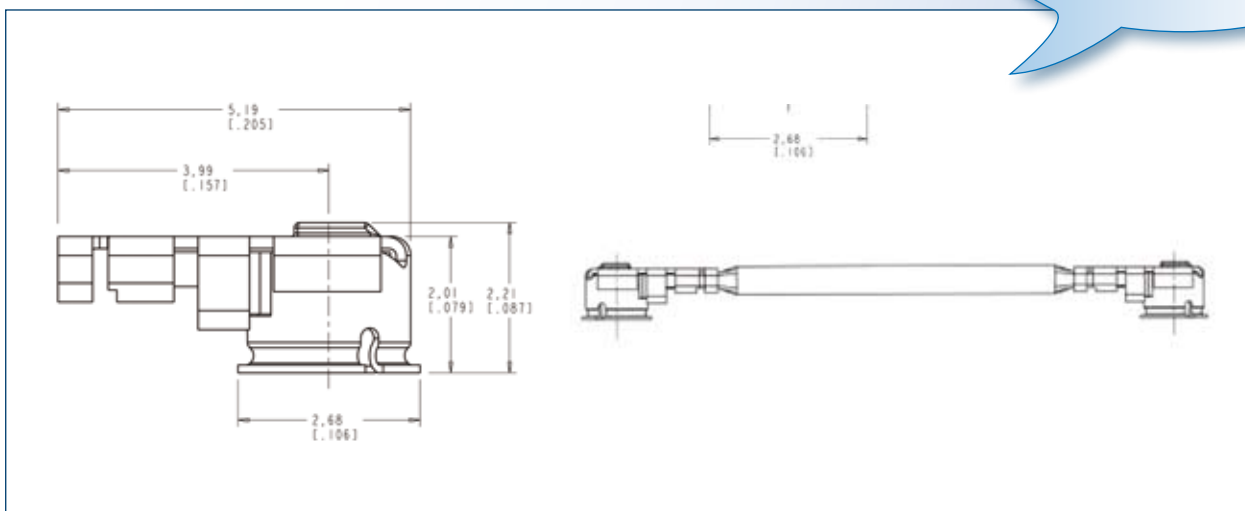
### Specifications:

|                               |                                                                                                                      |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Impedance:                    | 50 $\Omega$                                                                                                          |
| Frequency range:              | DC to 6 GHz                                                                                                          |
| Contact resistance:           | Center: 20 m $\Omega$ max. Measured at 10mA max.                                                                     |
| Outside:                      | 10 m $\Omega$ max.                                                                                                   |
| Outside (receptacle):         | 10 m $\Omega$ max.                                                                                                   |
| Insulation resistance:        | 500 M $\Omega$ min. Measured at 100 V DC. Withstanding voltage No line or insulation breakdown 200 V AC for 1 minute |
| VSWR (Straight connectors):   | 1.3 Max. DC to 3 GHz                                                                                                 |
| VSWR (Right angle):           | 1.4 Max. 3 to 6 GHz                                                                                                  |
| Female contact holding force: | 0.15N min Measured with a diameter 0.475 pin gauge                                                                   |
| Temperature Range:            | No damage, cracks, or Looseness -40°C to +90°C                                                                       |

### Materials:

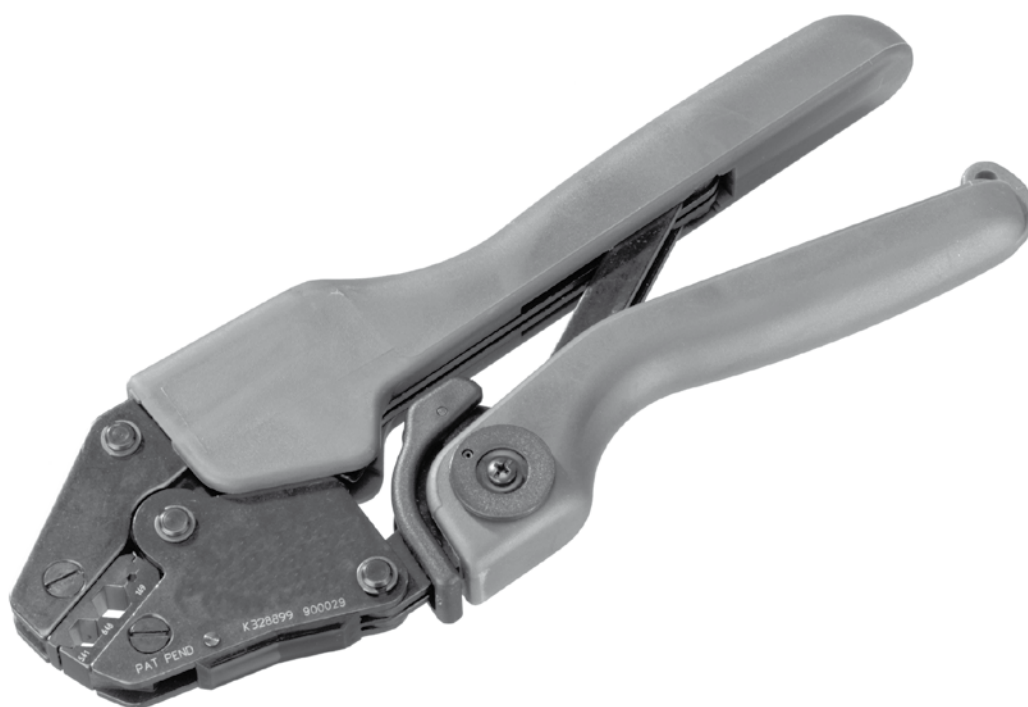
|                              |                             |
|------------------------------|-----------------------------|
| Plug Outer Body:             | Silver over phosphor bronze |
| Plug Insulator:              | PBT                         |
| Plug Center Contact:         | Gold over phosphor bronze   |
| Jack Center/Ground Contacts: | Gold over brass             |
| Jack Housing                 | LCP                         |

For detailed specifications check [www.amphenolinfocom.eu](http://www.amphenolinfocom.eu)



### Part Numbers:

|                 | Description              | Body   | Contact | Insulator | Cable Length | Color | Termination |
|-----------------|--------------------------|--------|---------|-----------|--------------|-------|-------------|
| A-1JB           | Surface Mount Jack       | Silver |         |           |              |       |             |
| A-1PA-113-100B2 | Right Angle Plug Jumpers | Silver | Gold    | PBT       | 100mm        | Black | 2 ends      |
| A-1PA-113-200B2 | Right Angle Plug Jumpers | Silver | Gold    | PBT       | 200mm        | Black | 2 ends      |
| A-1PA-113-310B2 | Right Angle Plug Jumpers | Silver | Gold    | PBT       | 310mm        | Black | 2 ends      |



Amphenol offers full range of termination tooling to meet your special production requirements.

All tools meet the Amphenol stringent design and quality requirements. Amphenol ACE series are sold as a handle with the die set included. Amphenol's tools provide a consistent and reliable crimp each and every time, thereby insuring the integrity of the connector termination. The ACE tools are easy to operate, with low force and with one hand. The handles are ergonomical formed to insure comfortable crimping also with higher volumes.

| Amphenol partnumber | Die size square mm | Die size hex mm          |
|---------------------|--------------------|--------------------------|
| Ace-tool 1          | 0,70               | 2,03 2,54 2,67 3,10 3,25 |
| Ace-tool 2          | 0,70               | 1,07 1,73 3,25 3,84      |
| Ace-tool 3          | 0,70               | 1,07 1,73 4,52 5,41      |
| Ace-tool 4          | -                  | 1,73 2,54 2,67 5,41 6,48 |
| Ace-tool 5          | -                  | 1,73 8,10 8,23           |
| Ace-tool 6          | -                  | 2,54 2,67 3,00 10,90     |
| Ace-tool 7          | 1,09               | 1,09 4,52 6,48           |
| Ace-tool 8          | 1,09 1,73          | 1,09 1,73 4,75 8,10      |
| Ace-tool 9          | -                  | 1,73 3,25 4,52           |
| Ace-tool 10         | -                  | 5,18                     |
| Ace-tool 11         | -                  | 6,81                     |

TOOLS



Miniature Step Adjustable Crimp Tool

| P.N.              | Description |
|-------------------|-------------|
| M22520/2-01       | Hand tool   |
| AC-POSITIONER K41 | Positioner  |



Stripping Tool

| P.N.                       | Description |
|----------------------------|-------------|
| ACE-STRIPPING TOOL 1       |             |
| ACE-STRIPPING TOOL 1 BLADE |             |



AMC Tool

| P.N.     | Description |
|----------|-------------|
| 227-1483 |             |

## SEARCH CABLES

### Cable Applicable Cables

#### Group

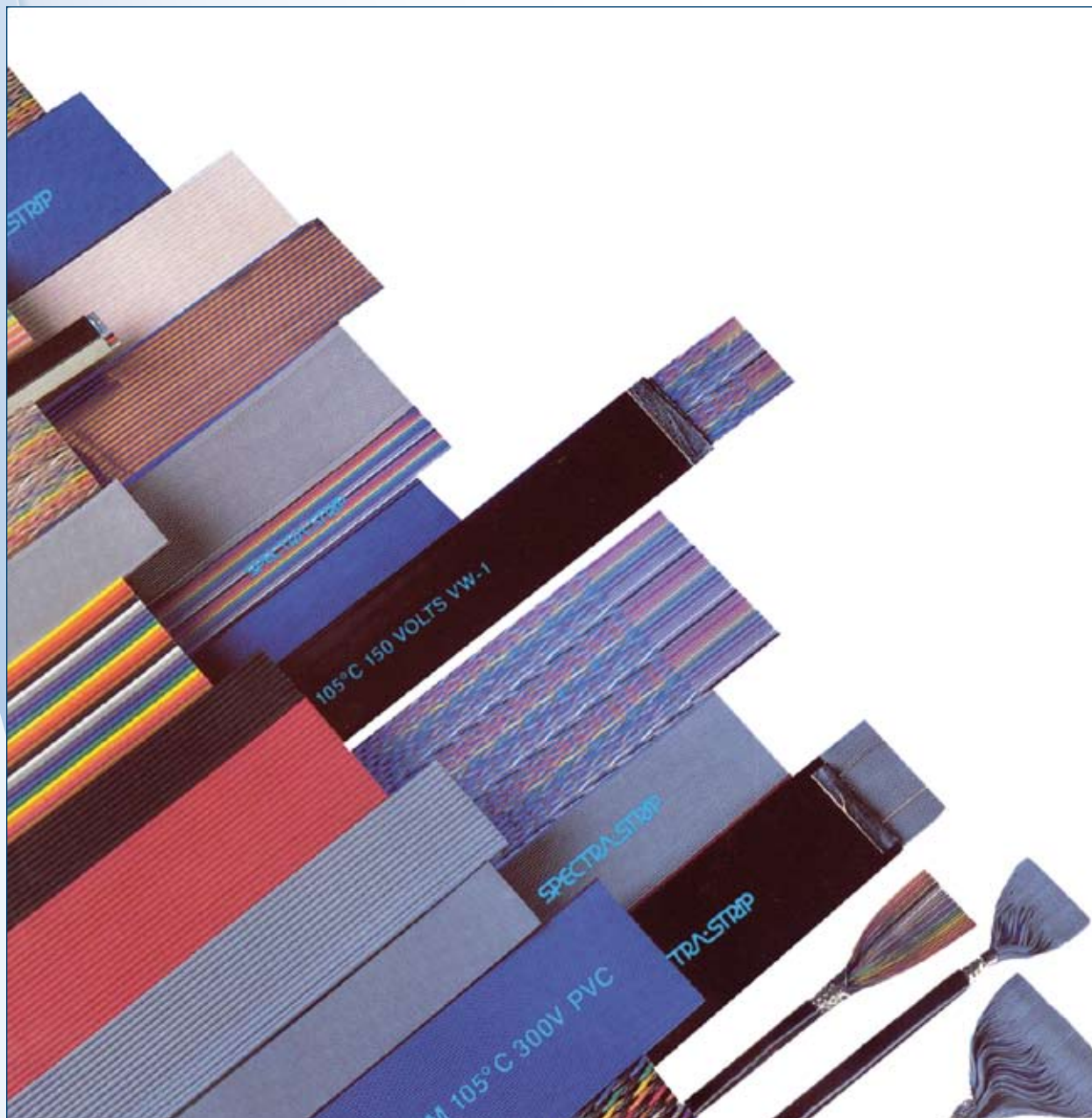
|     |                                                                                                 |
|-----|-------------------------------------------------------------------------------------------------|
| 01  | 141/ 303/ 58/ 58A/ B7806A/ LMR195/ KX15/ M17-28/ L190-16/ L910-30                               |
| 01A | 142/ 142A/ 142B/ 223/ 400/ 55/ M17-84/ KX23                                                     |
| 01B | B7807A/ LMR200                                                                                  |
| 02  | 122/ 58 Plenum/ 58 Thinnet/ B88240/ B89907                                                      |
| 03  | 140/ 210/ 59/ 59A/ 59B/ 62/ 62A/ M17-30/ KX30/ M17-29/ KX25/ KX52/ KX53/ KX61/ L910-12/ L910-13 |
| 03A | 59-20AWG                                                                                        |
| 04  | 59 Plenum                                                                                       |
| 04A | 59 Plenum-20AWG                                                                                 |
| 05  | 174/ 188/ 188A/ 316/ B7805A/ KX3/ KX22/ M17-113/ M17-119                                        |
| 05A | 316 Double Braided                                                                              |
| 06  | 179/ 179A/ 179B/ 187/ 187A/ B9221/ M17-94/ L910-22/ KX55                                        |
| 06A | 179 Double Braided                                                                              |
| 07  | 213/ 393/ 8/ 8A/ KX4                                                                            |
| 07A | 214/ KX13                                                                                       |
| 07B | 8X/ B7808A/ LMR240                                                                              |
| 07C | B7810A/ B8214/ B9913/ LMR400                                                                    |
| 07D | B89913                                                                                          |
| 07E | 11/11A                                                                                          |
| 07F | 11-14AWG/ B1859A/ B7731/ B8213/ B9292/ KX8                                                      |
| 08  | 143/ 212/ 6/ KX50/ KX51/ L910-8                                                                 |
| 08A | B1694A/ B9248                                                                                   |
| 08B | 6 Plenum/ B1695A                                                                                |
| 09  | B8227/ B89207                                                                                   |
| 10  | .141 semi rigid/ RG402/ KS52                                                                    |
| 11  | .085 semi rigid/ 405/ KS51                                                                      |
| 12  | .250 semi rigid                                                                                 |
| 13  | .047 semi rigid                                                                                 |
| 14  | 178/ 178A/ 178B/ 196/ 196A                                                                      |
| 15  | B8281/ B9141/ B9231                                                                             |
| 15A | B88281                                                                                          |
| 16  | 180/ 180A/ 195/ B1855/ B1865A/ B8218/ M17-95/ L910-19/ FLEX3                                    |
| 16  | ABT3002/ L910-34/ L910-39/ TZC75024                                                             |
| 17  | LMR600                                                                                          |
| 18  | AT&T734A/ B1505A                                                                                |
| 19  | AT&T735A/ B735A1                                                                                |
| 20  | ST212/1/ ST212/2/ 217                                                                           |
| 21  | ST214/1/ ST214/2                                                                                |
| 22  | FLEX 5/75                                                                                       |
| 23  | RA7000                                                                                          |
| 24  | Mini-Coax (2mm)                                                                                 |
| 25  | BT2003/ TR-SP109/ Suhner 2SPTT6010                                                              |
| 26  | 1.13mm                                                                                          |

## SEARCH CABLE GROUP

| Applicable Cables  | Cable Group |
|--------------------|-------------|
| .047 semi rigid    | 13          |
| .085 semi rigid    | 11          |
| .141 semi rigid    | 10          |
| .250 semi rigid    | 12          |
| 1.13mm             | 26          |
| 6                  | 08          |
| 6 Plenum           | 08B         |
| 8                  | 07          |
| 8A                 | 07          |
| 8X                 | 07B         |
| 11                 | 07E         |
| 11-14AWG           | 07F         |
| 11A                | 07E         |
| 55                 | 01A         |
| 58                 | 01          |
| 58 Plenum          | 02          |
| 58 Thinnet         | 02          |
| 58A                | 01          |
| 58C                | 01          |
| 59                 | 03          |
| 59A                | 03          |
| 59B                | 03          |
| 59-20AWG           | 03A         |
| 59 Plenum          | 04          |
| 59 Plenum-20AWG    | 04A         |
| 62                 | 03          |
| 62A                | 03          |
| 122                | 02          |
| 140                | 03          |
| 141                | 01          |
| 142                | 01A         |
| 142A               | 01A         |
| 142B               | 01A         |
| 143                | 08          |
| 174                | 05          |
| 178                | 14          |
| 178A               | 14          |
| 178B               | 14          |
| 179                | 06          |
| 179A               | 06          |
| 179B               | 06          |
| 179 Double Braided | 06A         |
| 180                | 16          |
| 180A               | 16          |
| 187                | 06          |
| 187A               | 06          |
| 188                | 05          |
| 188A               | 05          |
| 195                | 16          |
| 196                | 14          |
| 196A               | 14          |
| 210                | 03          |
| 212                | 08          |
| 213                | 07          |
| 214                | 07A         |
| 223                | 01A         |
| 303                | 01          |
| 316                | 05          |
| 316 Double Braided | 05A         |
| 393                | 07          |
| 400                | 01A         |
| 405                | 11          |
| AT&T734A           | 18          |
| AT&T735A           | 19          |
| B1505A             | 18          |
| B1694A             | 08A         |
| B1695A             | 08B         |
| B1855              | 16          |
| B1859A             | 07F         |
| B1865A             | 16          |
| BT3002             | 16A         |
| B735A1             | 19          |
| B7731              | 07F         |

| Applicable Cables | Cable Group |
|-------------------|-------------|
| B7805A            | 05          |
| B7806A            | 01          |
| B7807A            | 01B         |
| B7808A            | 07B         |
| B7810A            | 07C         |
| B8213             | 07F         |
| B8214             | 07C         |
| B8218             | 16          |
| B8227             | 09          |
| B8281             | 15          |
| B88240            | 02          |
| B88281            | 15A         |
| B89207            | 09          |
| B89907            | 02          |
| B89913            | 07D         |
| B9141             | 15          |
| B9221             | 06          |
| B9231             | 15          |
| B9248             | 08A         |
| B9292             | 07F         |
| B9913             | 07C         |
| BT3002            | 16          |
| BT2003            | 25          |
| FLEX3             | 16          |
| FLEX 5/75         | 22          |
| KS51              | 11          |
| KS52              | 10          |
| KX3               | 05          |
| KX4               | 07          |
| KX8               | 07F         |
| KX13              | 07A         |
| KX15              | 01          |
| KX22              | 05          |
| KX23              | 01A         |
| KX25              | 03          |
| KX30              | 03          |
| KX50              | 08          |
| KX51              | 08          |
| KX52              | 03          |
| KX53              | 03          |
| KX55              | 06          |
| KX61              | 03          |
| L910-8            | 08          |
| L910-12           | 03          |
| L910-13           | 03          |
| L190-16           | 01          |
| L910-19           | 16          |
| L910-22           | 06          |
| L910-30           | 01          |
| L910-34           | 16          |
| LMR195            | 01          |
| LMR200            | 01B         |
| LMR240            | 07B         |
| LMR400            | 07C         |
| LMR600            | 17          |
| M17-28            | 01          |
| M17-29            | 03          |
| M17-30            | 03          |
| M17-84            | 01A         |
| M17-94            | 06          |
| M17-95            | 16          |
| M17-113           | 05          |
| M17-119           | 05          |
| Mini-Coax (2mm)   | 24          |
| RA7000            | 23          |
| RG402             | 10          |
| ST212/1           | 20          |
| ST212/2           | 20          |
| ST214/1           | 21          |
| ST214/2           | 21          |
| Suhner 2SPTT6010  | 25          |
| TR-SP109          | 25          |

## SPECTRA-STRIP



## STANDARD RIBBON CABLES ROUND 'N' FLAT



### Specifications:

Conductors: 28 AWG, 7/36 Tinned Copper

Color code: Gray with Red Edge

Insulation: PVC, .010" WALL

Thickness: .035"  $\pm$  .003"

Pitch: .050"  $\pm$  .003"

Shielding: Aluminium/Polyester Foil,

with Minimum 85% Coverage Tinned Copper Braid

Jacket: Black PVC, .030" nom Wall

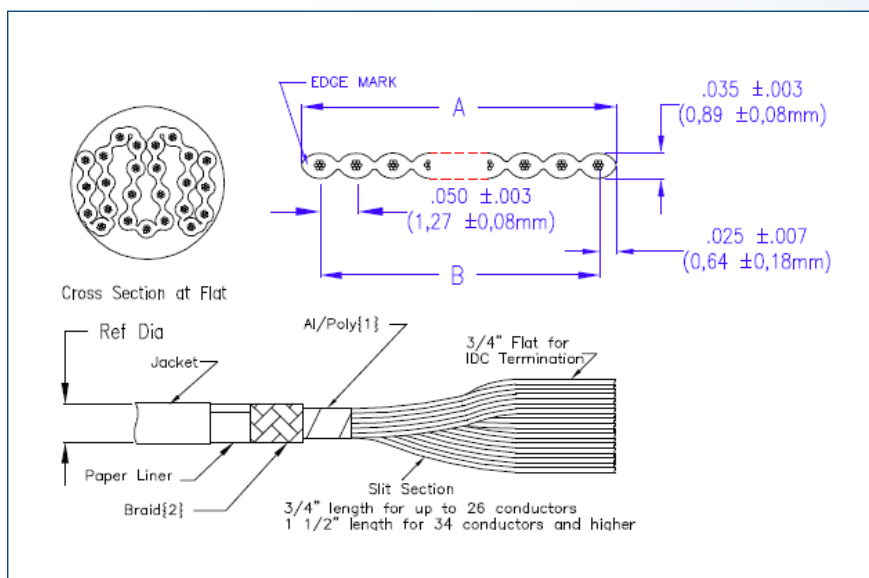
Liner: Paper Liner Between Jacket and Braid

Temperature Rating: -20°C to +105°C (-4°F to 221°F)

### Electrical:

Voltage: 300 Volts

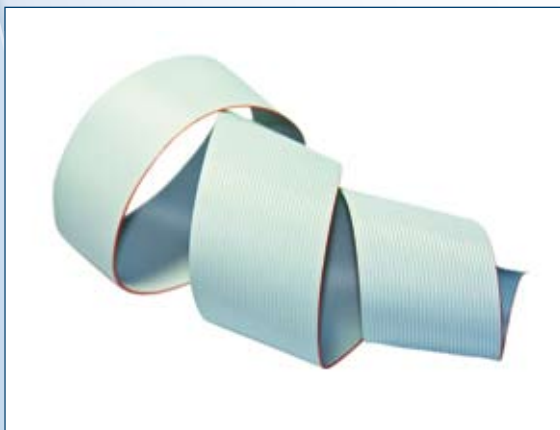
Impedance: 75 ohms



### Part Numbers:

| Part Number  | No. Cond. | Width 'A' |         | Span 'B'         |                    | Ref. Dia.<br>Inches |
|--------------|-----------|-----------|---------|------------------|--------------------|---------------------|
|              |           | Inches    | (mm)    | Inches           | (mm)               |                     |
| 159-2801-009 | 9         | .450      | (11,43) | .400 $\pm$ .007  | (10,16 $\pm$ 0,18) | .270                |
| 159-2801-010 | 10        | .500      | (12,70) | .450 $\pm$ .011  | (11,43 $\pm$ 0,18) | .270                |
| 159-2801-015 | 15        | .750      | (19,05) | .700 $\pm$ .011  | (17,78 $\pm$ 0,28) | .300                |
| 159-2801-016 | 16        | .800      | (20,32) | .750 $\pm$ .011  | (19,05 $\pm$ 0,28) | .310                |
| 159-2801-020 | 20        | 1.000     | (25,40) | .950 $\pm$ .011  | (24,13 $\pm$ 0,28) | .330                |
| 159-2801-024 | 24        | 1.200     | (30,48) | 1.150 $\pm$ .011 | (29,21 $\pm$ 0,28) | .350                |
| 159-2801-025 | 25        | 1.250     | (31,75) | 1.200 $\pm$ .011 | (30,48 $\pm$ 0,28) | .360                |
| 159-2801-026 | 26        | 1.300     | (33,02) | 1.250 $\pm$ .011 | (31,75 $\pm$ 0,28) | .360                |
| 159-2801-034 | 34        | 1.700     | (43,18) | 1.650 $\pm$ .011 | (41,91 $\pm$ 0,28) | .400                |
| 159-2801-036 | 36        | 1.800     | (45,72) | 1.750 $\pm$ .015 | (44,45 $\pm$ 0,38) | .410                |
| 159-2801-037 | 37        | 1.850     | (47,00) | 1.800 $\pm$ .015 | (45,72 $\pm$ 0,38) | .410                |
| 159-2801-040 | 40        | 2.000     | (50,80) | 1.950 $\pm$ .015 | (49,53 $\pm$ 0,38) | .430                |
| 159-2801-050 | 50        | 2.500     | (63,50) | 2.450 $\pm$ .015 | (62,23 $\pm$ 0,38) | .480                |
| 159-2801-060 | 60        | 3.000     | (76,20) | 2.950 $\pm$ .015 | (74,93 $\pm$ 0,38) | .520                |
| 159-2801-064 | 64        | 3.200     | (81,28) | 3.150 $\pm$ .015 | (80,01 $\pm$ 0,38) | .530                |

## STANDARD SPECTRA-ZIP PLANAR CABLE



### Specifications:

Conductors rating: 28 AWG, 7/36 strand tinned copper

Color: Gray (one edge Red)

Conductor spacing:  $.050'' \pm .002''$

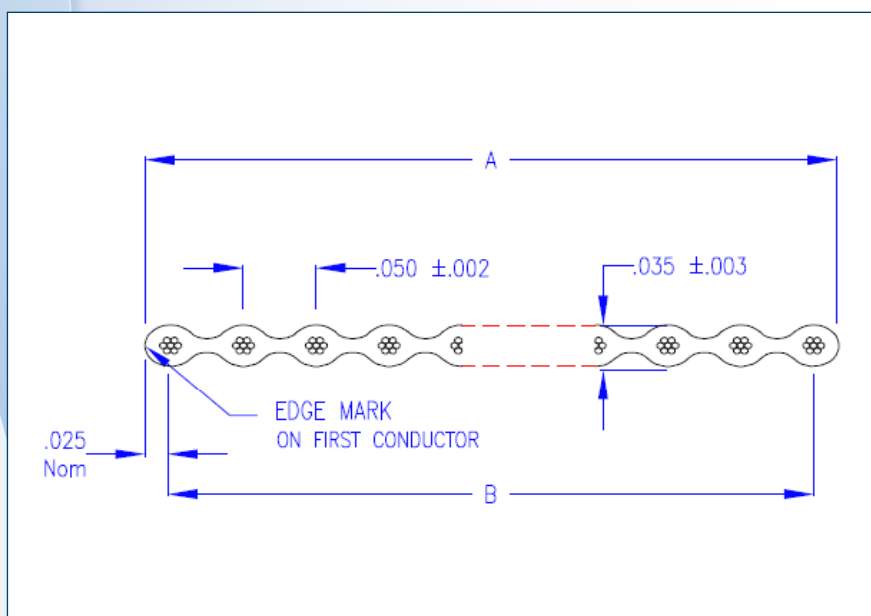
Cable thickness:  $.035'' \pm .003''$

Insulation: Gray PVC, flame retardant VW-1

### Electrical:

Voltage: 300 Volts

Impedance: 75 ohms



### Part Numbers:

| Part Number  | No. Cond. | Width 'A' |         | Span 'B'     |                |
|--------------|-----------|-----------|---------|--------------|----------------|
|              |           | Inches    | (mm)    | Inches       | (mm)           |
| 191-2801-109 | 9         | .450      | (11,43) | .400 ± .007  | (11,43 ± 0,18) |
| 191-2801-110 | 10        | .500      | (12,70) | .450 ± .007  | (11,43 ± 0,18) |
| 191-2801-114 | 14        | .700      | (17,78) | .650 ± .007  | (16,51 ± 0,18) |
| 191-2801-115 | 15        | .750      | (19,05) | .700 ± .007  | (17,78 ± 0,18) |
| 191-2801-116 | 16        | .800      | (20,32) | .750 ± .011  | (19,05 ± 0,28) |
| 191-2801-120 | 20        | 1.000     | (25,40) | .950 ± .011  | (24,13 ± 0,28) |
| 191-2801-124 | 24        | 1.200     | (30,48) | 1.150 ± .011 | (29,21 ± 0,28) |
| 191-2801-125 | 25        | 1.250     | (31,75) | 1.200 ± .011 | (30,48 ± 0,28) |
| 191-2801-126 | 26        | 1.300     | (33,02) | 1.250 ± .011 | (31,75 ± 0,28) |
| 191-2801-134 | 34        | 1.700     | (43,18) | 1.650 ± .011 | (41,91 ± 0,28) |
| 191-2801-136 | 36        | 1.800     | (45,72) | 1.750 ± .015 | (44,45 ± 0,38) |
| 191-2801-137 | 37        | 1.850     | (47,00) | 1.800 ± .015 | (45,72 ± 0,38) |
| 191-2801-140 | 40        | 2.000     | (50,80) | 1.950 ± .015 | (49,53 ± 0,38) |
| 191-2801-150 | 50        | 2.500     | (63,50) | 2.450 ± .015 | (62,23 ± 0,38) |
| 191-2801-160 | 60        | 3.000     | (76,20) | 2.950 ± .015 | (74,93 ± 0,38) |
| 191-2801-164 | 64        | 3.200     | (81,28) | 3.150 ± .015 | (80,01 ± 0,38) |

## STANDARD SPECTRA-STRIP TWIST 'N' FLAT PLANAR CABLE

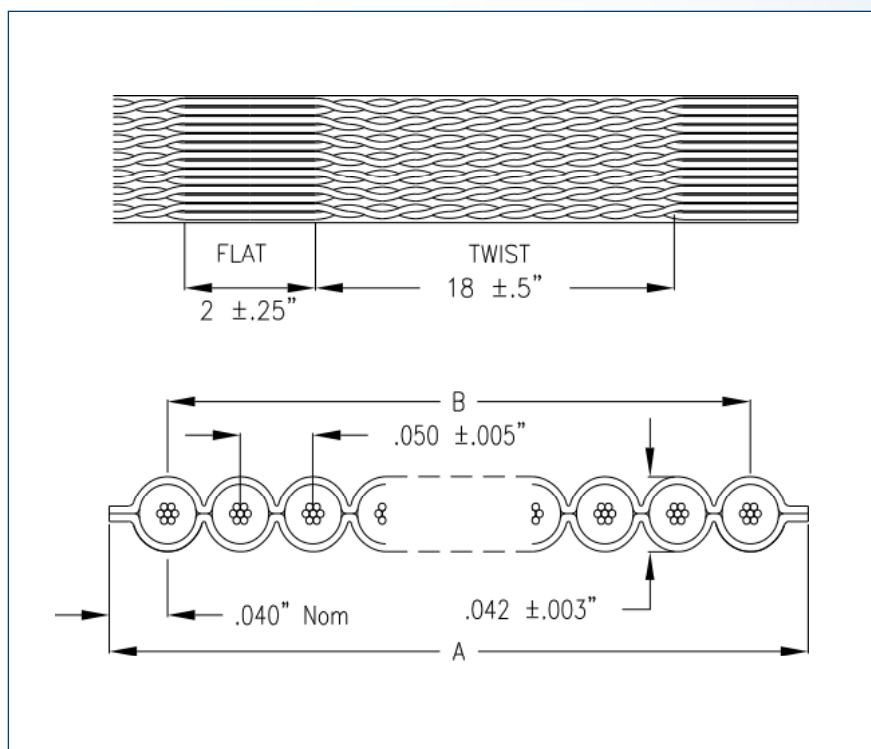


### Specifications:

|                                                                                             |
|---------------------------------------------------------------------------------------------|
| Conductors rating: 28 AWG, 7/36 strand, tinned copper                                       |
| Conductor insulation: .010" nom. wall                                                       |
| Color code: Brown, red, orange, yellow, green, blue, violet, gray, white, black, tan common |
| Conductor spacing: Twisted pair centers: .100".;                                            |
| conductor centers in flats: .050" $\pm$ .005"                                               |
| Cable thickness: .042" $\pm$ .003"                                                          |
| Laminate: Clear PVC, self-extinguishing                                                     |

### Electrical:

|                                                 |
|-------------------------------------------------|
| Voltage rating: 300 V                           |
| Current rating: 1 amp nom. At 10C above ambient |
| Temperature rating: 80C                         |
| Impedance: 100 ohms                             |



### Part Numbers:

| Part Number  | No. Pairs. | Width 'A' |         | Span 'B'         |                    |
|--------------|------------|-----------|---------|------------------|--------------------|
|              |            | Inches    | (mm)    | Inches           | (mm)               |
| 132-2802-210 | 5          | .526      | (13,36) | .450 $\pm$ .015  | (11,43 $\pm$ 0,38) |
| 132-2802-214 | 7          | .726      | (18,44) | .650 $\pm$ .015  | (16,51 $\pm$ 0,38) |
| 132-2802-216 | 8          | .826      | (20,98) | .750 $\pm$ .015  | (19,05 $\pm$ 0,38) |
| 132-2802-220 | 10         | 1.026     | (26,06) | .950 $\pm$ .015  | (24,13 $\pm$ 0,38) |
| 132-2802-226 | 13         | 1.326     | (33,68) | 1.250 $\pm$ .015 | (31,75 $\pm$ 0,38) |
| 132-2802-234 | 17         | 1.726     | (43,84) | 1.650 $\pm$ .015 | (41,91 $\pm$ 0,38) |
| 132-2802-236 | 18         | 1.826     | (46,38) | 1.750 $\pm$ .015 | (44,45 $\pm$ 0,38) |
| 132-2802-240 | 20         | 2.026     | (51,46) | 1.950 $\pm$ .020 | (49,53 $\pm$ 0,51) |
| 132-2802-250 | 25         | 2.526     | (64,16) | 2.450 $\pm$ .020 | (62,23 $\pm$ 0,51) |
| 132-2802-260 | 30         | 3.026     | (76,86) | 2.950 $\pm$ .020 | (74,93 $\pm$ 0,51) |
| 132-2802-264 | 32         | 3.226     | (81,94) | 3.150 $\pm$ .025 | (80,01 $\pm$ 0,64) |

## STANDARD SPECTRA-STRIP 3C COLOR CODED



### Specifications:

Conductors rating: 28 AWG, 7/36 strand, tinned copper

Color code: Brown, red, orange, yellow, green, blue, violet, gray, white, black,

Conductor spacing: Twisted pair centers: .100";  
conductor centers in flats: .050"  $\pm$  .005"

Cable thickness: .042"  $\pm$  .003"

Laminate: Clear PVC, self-extinguishing

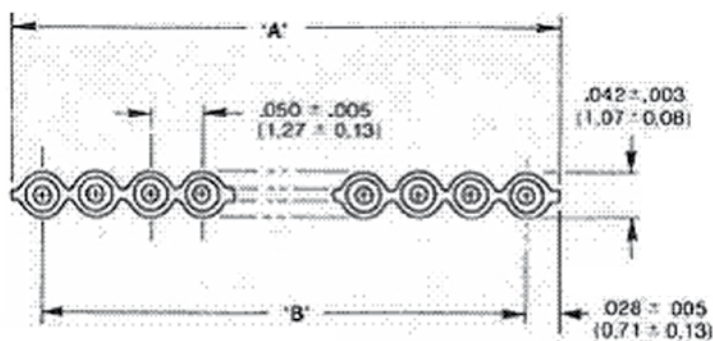
### Electrical:

Voltage rating: 300 V

Current rating: 1 amp nom. At 10C above ambient

Temperature rating: 80C standard 105C consult factory

Impedance: 105 ohms nominal



28 AWG SHOWN

### Part Numbers:

| Part Number  | No. Pairs. | Width 'A' |         | Span 'B'         |                    |
|--------------|------------|-----------|---------|------------------|--------------------|
|              |            | Inches    | (mm)    | Inches           | (mm)               |
| 135-2802-310 | 10         | .505      | (12,83) | .450 $\pm$ .015  | (11,43 $\pm$ 0,38) |
| 135-2802-314 | 14         | .705      | (17,91) | .650 $\pm$ .015  | (16,51 $\pm$ 0,38) |
| 135-2802-316 | 16         | .805      | (20,45) | .750 $\pm$ .015  | (19,05 $\pm$ 0,38) |
| 135-2802-320 | 20         | 1.005     | (25,53) | .950 $\pm$ .015  | (24,13 $\pm$ 0,38) |
| 135-2802-324 | 24         | 1.205     | (30,61) | 1.150 $\pm$ .015 | (29,21 $\pm$ 0,38) |
| 135-2802-325 | 25         | 1.255     | (31,88) | 1.200 $\pm$ .015 | (30,48 $\pm$ 0,38) |
| 135-2802-326 | 26         | 1.305     | (33,15) | 1.250 $\pm$ .015 | (31,75 $\pm$ 0,38) |
| 135-2802-334 | 34         | 1.705     | (43,31) | 1.650 $\pm$ .015 | (41,91 $\pm$ 0,38) |
| 135-2802-336 | 36         | 1.805     | (45,85) | 1.750 $\pm$ .015 | (44,45 $\pm$ 0,38) |
| 135-2802-337 | 37         | 1.855     | (47,12) | 1.800 $\pm$ .015 | (45,72 $\pm$ 0,38) |
| 135-2802-340 | 40         | 2.005     | (50,93) | 1.950 $\pm$ .020 | (49,53 $\pm$ 0,51) |
| 135-2802-350 | 50         | 2.505     | (63,63) | 2.450 $\pm$ .020 | (62,23 $\pm$ 0,51) |
| 135-2802-360 | 60         | 3.005     | (76,33) | 2.950 $\pm$ .020 | (74,93 $\pm$ 0,51) |
| 135-2802-364 | 64         | 3.205     | (81,41) | 3.205 $\pm$ .020 | (80,01 $\pm$ 0,51) |

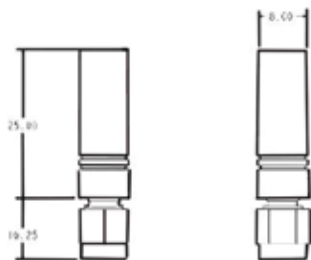
# ANTENNAS



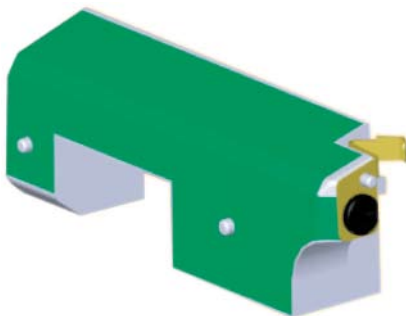
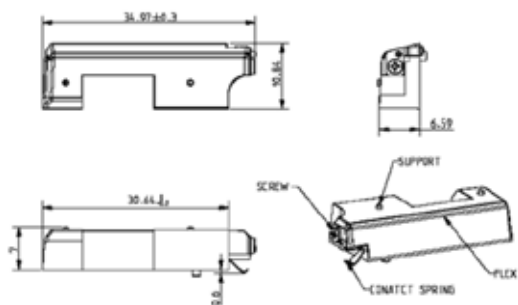
## ANTENNAS

| Part number : SAACA200001 |                                                           |            |              |              |
|---------------------------|-----------------------------------------------------------|------------|--------------|--------------|
| Antenna type              | Qual band antenna                                         |            |              |              |
| Interface Type            | Male SMA connector                                        |            |              |              |
| Frequency Band            | 824-894MHz / 880-960 MHz / 1710 – 1880 MHz / 1850-1990MHz |            |              |              |
|                           | CDMA                                                      | EGSM       | DCS          | PCS          |
| Frequency                 | 824-894MHz                                                | 880-960MHz | 1710-1880MHz | 1850-1990MHz |
| VSWR                      | <3:1                                                      | <3:1       | <3:1         | <3:1         |
| Efficiency                | 51%-67%                                                   | 54%-67%    | 63%-80%      | 78%-83%      |



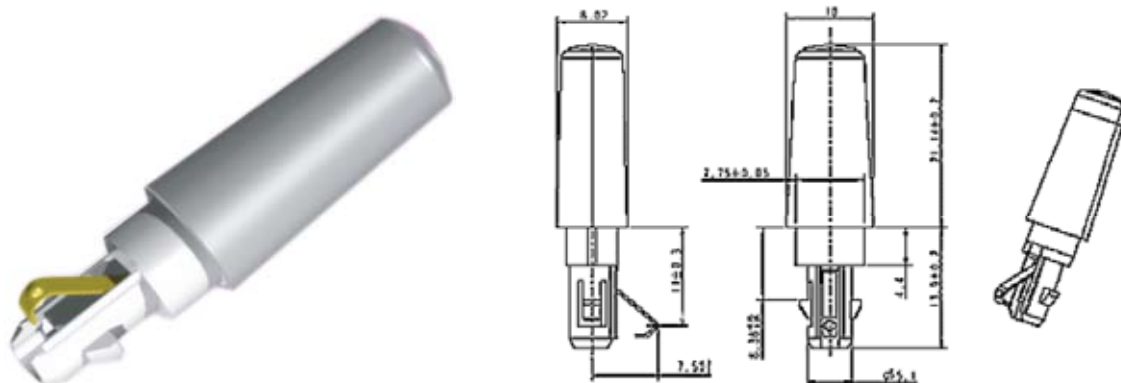

| Part number : SAACA200004 |                                        |        |        |         |         |
|---------------------------|----------------------------------------|--------|--------|---------|---------|
| Antenna type              | Internal monopole antenna              |        |        |         |         |
| Interface Type            | Screw-in, spring contact               |        |        |         |         |
| Frequency Band            | GSM/DCS                                |        |        |         |         |
| Material                  | Flexfoil radiator with plastic carrier |        |        |         |         |
| Frequency                 |                                        | GSM    |        | DCS     |         |
|                           |                                        | 880MHz | 960MHz | 1710MHz | 1880MHz |
| VSWR                      | Open                                   | <2.5   | <3.5   | <2.5    | <3.0    |
|                           | Closed                                 | <3.0   | <3.5   | <3.0    | <3.5    |
| Efficiency                | Open                                   | >45%   | >35%   | >45%    | >35%    |
|                           | Closed                                 | >35%   | >30%   | >40%    | >30%    |

## ANTENNAS

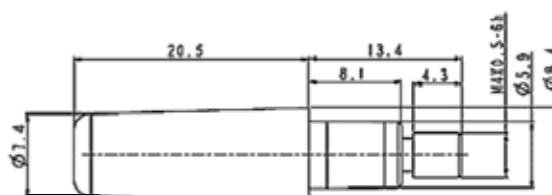
### Part number : SAACA200018

|                |                                             |        |        |         |         |
|----------------|---------------------------------------------|--------|--------|---------|---------|
| Antenna type   | Stubby antenna for mobile phone             |        |        |         |         |
| Interface Type | Snap-in / Screw-in, spring contact          |        |        |         |         |
| Frequency Band | GSM/DCS                                     |        |        |         |         |
| Material       | Painted plastic cover with stamping contact |        |        |         |         |
| Frequency      |                                             | GSM    |        | DCS     |         |
|                |                                             | 880MHz | 960MHz | 1710MHz | 1880MHz |
| VSWR           | Open                                        | <2.5   | <2.5   | <2.0    | <2.0    |
|                | Closed                                      | <2.8   | <2.5   | <2.0    | <2.0    |
| Efficiency     | Open                                        | >45%   | >45%   | >45%    | >45%    |
|                | Closed                                      | >35%   | >45%   | >40%    | >45%    |



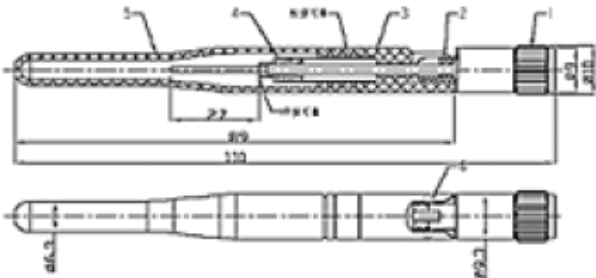
### Part number : SAACA200019

|                |                                 |        |              |          |          |
|----------------|---------------------------------|--------|--------------|----------|----------|
| Antenna type   | Stubby antenna for mobile phone |        |              |          |          |
| Interface Type | Snap-in / Screw-in              |        |              |          |          |
| Frequency Band | GSM / DCS / WCDMA               |        |              |          |          |
| Material       | Plastic cover with plated cap   |        |              |          |          |
| VSWR           | Open                            | Closed | Average gain | Open     | Closed   |
| GSM            | <3.0:1                          | <3.0:1 | GSM          | >-4.6dBi | >-2.0dBi |
| DCS            | <3.2:1                          | <3.5:1 | DCS          | >-3.5dBi | >-4.0dBi |
| WCDMA          | <3.0:1                          | <3.0:1 | WCDMA        | >-4.5dBi | >-3.5dBi |

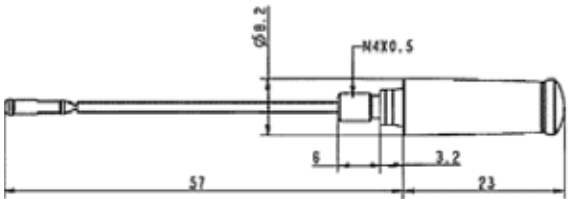


## ANTENNAS

| Part number : SAACA200020 |                                                         |              |                 |                 |                     |
|---------------------------|---------------------------------------------------------|--------------|-----------------|-----------------|---------------------|
| Antenna type              | Terminal antenna with coaxial joint and SMA-J connector |              |                 |                 |                     |
| Interface Type            | SMA-Male connector                                      |              |                 |                 |                     |
| Frequency Band            | 2400-2500                                               |              |                 |                 |                     |
| Electrical specifications | Frequencies (MHz)                                       | Polarization | VSWR            | Input Impedance | Gain                |
|                           | 2400-2500                                               | vertical     | <1.5            | 50ohm           | >-2.0dBi            |
| Mechanical specifications | Height                                                  | Weight       | Radome material | Antenna color   | Working temperature |
|                           | 110mm                                                   | <3.0:1       | Plastic         | Black           |                     |

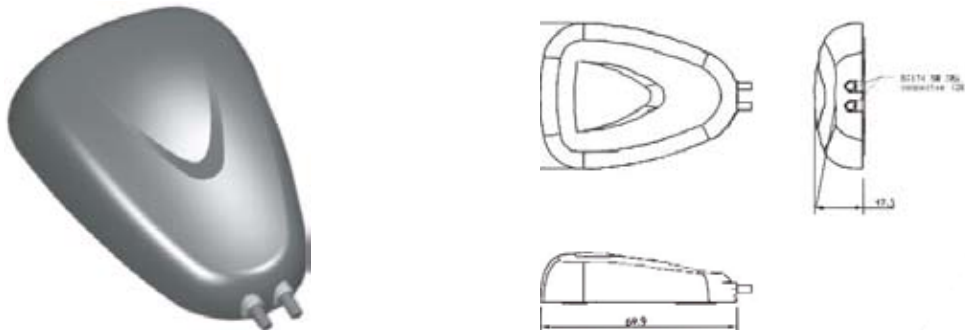



| Part number : SAACA200022 |                                     |            |            |  |
|---------------------------|-------------------------------------|------------|------------|--|
| Antenna type              | Retractable antenna for PHS handset |            |            |  |
| Interface Type            | Snap-in/Screw-in                    |            |            |  |
| Frequency Band            | PHS                                 |            |            |  |
| Material                  | Plastic cover, plated cap           |            |            |  |
|                           |                                     | 824-849MHz | 869-894MHz |  |
| VSWR                      | Retracted                           | <3.0:1     | <3.0:1     |  |
|                           | Extended                            | <2.0:1     | <2.0:1     |  |
| Efficiency                | Retracted                           | 40%        | 40%        |  |
|                           | Extended                            | 60%        | 60%        |  |

## ANTENNAS

| Part number : SAACA200025  |                                             |                                  |            |
|----------------------------|---------------------------------------------|----------------------------------|------------|
| Antenna type               | Qual band GSM and active GPS antenna module |                                  |            |
| Connector Type             | SMA connector lead out                      |                                  |            |
| Frequency Band             | 824-960MHz / 1575 MHz / 1710-1990 MHz       |                                  |            |
| Material                   | Plastic cover with cable                    |                                  |            |
| Mount Type                 | Glue                                        |                                  |            |
| Cable Type                 | RG174                                       |                                  |            |
| Cable Length               | 1, 3, 5m                                    |                                  |            |
| Polarization               | RHCP                                        | Antenna gain (peak)              | Min 4 dBic |
| VSWR                       | Max 2.3                                     | Isolation with dual band antenna | Max -20 dB |
| Amplifier gain (w/o cable) | ~27 dB                                      | DC Voltage                       | 3 - 5 V    |
| Noise figure               | ~1.5 dB                                     |                                  |            |



| Part number : SAACA200033                                                           |                                                  |      |                 |          |
|-------------------------------------------------------------------------------------|--------------------------------------------------|------|-----------------|----------|
| Antenna type                                                                        | Carkit antenna with cable and SMA-Male connector |      |                 |          |
| Interface Type                                                                      | SMA-Male connector                               |      |                 |          |
| Frequency Band                                                                      | 890-960MHz / 1710-1880MHz                        |      |                 |          |
| Frequencies (MHz)                                                                   | Polarization                                     | VSWR | Input Impedance | Gain     |
| 890-960MHz / 1710-1880MHz                                                           | Vertical                                         | <2.0 | 50ohm           | >-5.0dBi |
|  |                                                  |      |                 |          |

## CABLE ASSEMBLIES



## FIBRE CHANNEL



Fibre Channel, or FC is a Gigabit-Speed network technology primarily used for Storage Area Networking (SAN). FC signalling can run on both twisted pair copper wire and fiber-optics.

### Fibre Channel Copper Assembly:

#### SFP / SFP+

Amphenol SFP cable assemblies are a high performance, cost effective I/O solution for 10Gb Fibre Channel applications. SFP+ copper assemblies allow hardware manufacturers to achieve high port density, configurability and utilization at a very low cost and reduced power budget.

Continuing to advance the SFP technology, Amphenol has developed a fully featured low cost alternative to multi-mode optical SFP+ assemblies. Our optical alternative uses copper assemblies with incorporated features such as TX disable and loss of signal. Utilizing this cable solution will be transparent to the system as it behaves as though it is optical. Another benefit in addition to the price point is the significant reduction in power consumption as our units use 250 mW vs 500 mW seen on most optical modules.

#### Key Features:

- Compliant with Optical ports
- Improved Pluggable Formfactor (IPF) compliant for enhanced EMI/EMC performance.
- Support for 1x, 2x, 4x and 8x Fibre Channel data rates.
- I/O connector designed for high speed differential signal applications
- Low crosstalk
- Low power consumption
- EMI shield spring for reduced EMI
- Wide temperature range
- Data rates up to 4.25 Gb/s for SFP and 11.3 Gb/s for SFP+
- Push to release latch
- Compliant to SFP and SFP+ MSA

#### Applications:

- Storage Area Networks, Network Attached Storage and Storage Servers
- Switched fabric I/O such as ultra high bandwidth switches and routers
- Telecomm transport to metro or enterprise hand-off and transport to switching i/f
- Data centre cabling infrastructure
- High density connections between networking equipment

## SFP+ “LITE”



Amphenol SFP+ Optical Transceivers are a high performance, high density, low cost solution for 10Gb Ethernet and Fibre Channel applications. These transceivers are multi-rate devices allowing for a wider range of applications and backward compatibility to legacy Fibre Channel specifications.

The transceivers feature a high reliability 850nm vertical-cavity surface - emitting laser (VCSEL) allowing for flexible link distances up to 200m. The module supports the latest Improved Pluggable Formfactor specification for improved EMI performance.

### Interface

- 20 pin board-as-connector
- Duplex-LC Optical connector

### Cable Options

- OM2, OM3

### Key Features

- I/O Connector designed for high speed differential signal applications
- Improved Pluggable FormFactor (IPF) compliant for enhanced EMI/EMC performance
- Data rates up to 11.3Gb/s, backward compatible to 1Gb/s
- Support for 1x, 2x, 4x and 8x Fibre Channel data rates
- Link Distances up to 200m (OM3), 50m (OM2)
- High reliability and Low Power consumption
- Push-to-release latch mechanism
- Compliant to SFP+, SFF-8431

### Applications

- High capacity I/O in Storage Area Networks, Network Attached Storage and Storage Servers
- Switched fabric I/O such as ultra high bandwidth switches and routers
- Data center cabling infrastructure
- High density connections between networking equipment

## QSFP



Amphenol QSFP copper cable assemblies are high performance, cost effective interconnect solutions supporting Ethernet, Fiber Channel, InfiniBand, SAS and SONET/SDH applications. QSFP copper modules provide a high density, high bandwidth solution at very low cost and reduced power budget. Amphenol's high speed cable assemblies meet and exceed industry standards for performance and reliability.

### Interface:

- 38 position board- as connector

### Cable Options:

- 8-pair 26-30AWG
- Amphenol Spectra-Strip SkewClear®
- Amphenol Spectra-Strip SkewClear®EXD

### Key Features:

- Four channels transmit and receive
- 100Mb/s to 10Gb/s per channel capacity
- Copper link length up to 20m
- 3x Port density over SFP
- Precision process control for minimization of Pair- to-pair skew
- Low crosstalk
- Pull-to-release latch
- Compliant to QSFP MSA

### Applications:

- Fibre Channel
- Infiniband, DDR, QDR
- 10/40Gb Ethernet
- Switches, Routers and HBA's
- Enterprise Data Center
- High Performance Computing(HPC) and Storage

### Complimentary

- QSFP limiting amplified copper Cables

### Products:

- QSFP short range optical modules

## SERIAL ATTACHED SCSI (SAS)



### External 4x SAS and external 4i Mini-SAS

Amphenol's High Speed SAS and Mini-SAS Assemblies are ultra-high performance, cost effective solutions for high speed serial buses supporting SAS architecture. Both versions of the assemblies meet and exceed SAS-2 standards and requirements.

#### Key Features:

- Compliant to SAS-2 Specifications
- I/O connector designed for high speed differential signal applications
- 4x Axial SkewClear® 8 Pair cable. Optional EXD.
- Low insertion loss and crosstalk
- Matched impedance
- High precision control and minimization of in-pair and pair to pair skew
- Connector the same as 4X InfiniBand
- Data rate up to 3.0Gb/s guaranteed
- Length 0.5 to 6 meters
- Mating durability up to 250 cycles.

#### Applications:

- Data Storage and high capacity I/O in Storage Area Networks and Network Attached Storage
- Server Storage Systems
- Small to medium business storage
- High end enterprise storage

## SAS / SATA



### Internal Mini-SAS

Amphenol offers one of the broadest product lines to support the emerging markets for SAS and SATA applications. The need for multiple Hard Disk Drives in a serial bus application requires an interconnect capable of handling multiple lanes of data. The Mini Multilane interconnect system supports 4 lanes of Data and 8 Sideband signals (for system management such as I2C or LED's) in one connector.

#### Features:

- Foil in cable construction provides improved EMI.
- 10ps/m in pair skew and max 6db/m of attenuation at 4.5 GHz
- end-to-end interfaces signal integrity and performance at 3.0Gb/s and lane.
- Thinner and more flexible cable, allowing for more efficient routing.
- Straight, right angled and side exit configurations.
- Fan out assemblies to SATA & SAS



### SAS

Amphenol is an active member of the Serial Attached SCSI (SAS) Standard (T10/SFF) working group and offers the broadest product lines of SAS.

SAS was developed to address anticipated I/O and direct attach storage requirements. It provides universal interconnect with SATA, while offering logical SCSI compatibility along with SCSI reliability, performance and manageability. SAS is a point-to-point architecture, distinct from parallel technologies such as Fiber Channel and SCSI. A point-to-point architecture establishes a link directly from the controller to a disk drive or through an expander switching matrix. SAS complements SATA by adding dual porting, full duplex, device addressing and it offers high reliability, performance and data availability services, as well as logical SCSI compatibility, SAS customers can choose to deploy cost-effective SATA drives in a SAS storage environment.



#### Features:

- Straight, right angled and side exit over-molded assemblies.
- 26 and 30 AWG cable available.
- Unified data and power assembly.



## SAS / SATA



### SATA

Serial ATA is the proactive evolution of the ATA interface from a parallel bus to a serial bus architecture. This architecture overcomes the electrical constraints that are increasing the difficulty of continued speed enhancements for the classic parallel ATA bus.

#### Features:

- Straight, right angled and reverse right angled cable exits.
- Crossover cable.
- Combo data & power assembly.
- Latched version available



### Slimline SATA

Slimline SATA has been especially designed for slimline optical disk drives in notebooks, desktops and servers. Slimline SATA connectors and cable assemblies are more compact than common SATA, and can therefore be applied to a smaller space.

### eSATA

Amphenol eSATA provides higher speed and better connection for external storage solutions in computer and consumer applications. eSATA 3Gb/s speed is much higher than that of USB and IEEE1394.



### Power SATA

Power SATA cable assemblies are a version of SATA cable assemblies used to provide HDD's or optical drives with power from the power modules of end devices such as Desktops, Notebooks, Servers, Networks and RAID Storages, STB's. Game machines etc. Power SATA cable assemblies can supply power for several HDD's at the same time.

## HDMI / DVI / DISPLAYPORT FIREWIRE / USB



### HDMI

HDMI (High Definition Multimedia Interface) is a compact audio/video connector interface used to transmit uncompressed digital streams. HDMI connects digital audio/video sources such as set-top boxes, personal computers, video game consoles, and AV receivers to compatible digital audio devices, video monitors, and digital televisions. HDMI is a 19 or 29 position interface utilizing a connector which is significantly more robust than today's SCART, and by utilizing an inline equalizer, HDMI cable lengths can be extended to over 10m. As an adopter of HDMI licensing, LLC, Amphenol HDMI cables have passed all of the required compliance tests.



### Key Features:

- 10 Gb/s allowing uncompressed digital video at up to 1080 lines progressive scan, with multi channel audio and control signals.
- Various DVI to HDMI and HDMI to DVI converters are available allowing products utilizing both standards to work together.
- Full shield coverage protects against harmful EMI / RFI interference.



### DVI

The Digital Visual Interface (DVI) is a video interface standard designed to maximize the visual quality of digital display devices such as flat panel LCD computer displays and digital projectors. It was developed by an industry consortium, the Digital Display Working Group (DDWG). It is designed for carrying uncompressed digital video data to a display. It is partially compatible with the High-Definition Multimedia Interface (HDMI) standard in digital mode (DVI-D).

DVI is the only widespread video standard that includes analog and digital transmission options in the same connector.

### DisplayPort

DisplayPort is an industry standard developed to accommodate the growing broad adoption of digital display technology within the PC and Consumer Electronics industries. Display Port is intended to be used primarily between a computer and its display monitor, or a computer and a home-theater system. It consolidates internal and external connection methods to reduce device complexity, and enables the next generation of displays to feature higher color depths, refresh rates and display resolution.

### Key Features:

- Higher performance than dual link DVI, with a total data rate of 10.8 Gb/s
- Embedded clock.
- Enables support for DVI and HDMI via a simple adaptor.
- Auxiliary channel (1 Mb/s), enables new user features, VOIP, game control and camera video.
- Max 3m cable length at 2.7 GHz, max 15m cable length at 1.62 GHz.

## HDMI / DVI / DISPLAYPORT

## FIREWIRE / USB



### FIREWIRE

IEEE1394 (also known as Firewire or iLINK), is a standard interface for high speed data transmission, such as from consumer electronics devices to computers. IEEE1394 products can carry a dense multimedia data stream between devices at a maximum speed of 1600Mb/s.

#### Key features:

- Supports synchronous and asynchronous data transfer.
- Support hot plug / plug and play.



### USB

USB can be used to connect to a vast array of peripheral devices such as mouse, keyboards, printers, scanners, storage equipment etc. It supports plug and play and hot plug for easy use.

### Mini-USB

Mini-USB has become a popular interface for exchanging data between PC's and smaller peripherals such as mobile phones, digital cameras and MP3 players. Amphenol USB cables are USB 2.0 compliant with a transfer rate of up to 480Mb/s. They also support OTG (On The Go), function that enables two portable peripherals to transmit data directly, without having to go through a PC.

### Micro-USB

With the continued reduction in size of our PDA's, Mobile Phones, Digital Camera's etc... there is a corresponding need to reduce interconnect sizes, hence the Micro-USB is the latest development in the USB standard.

Amphenol's Micro-USB cable assemblies offer increased durability of 10000 mating cycles, and data rates over 480 Mb/s.

## MODULAR PATCH CORDS



High speed access and reliability are essential in today's work environment. For this reason Amphenol manufactures a complete portfolio of modular patch cables known as Cat5, Cat5E and Cat6. We use shielded, unshielded or plenum cable for our cords and can be terminated with either RJ11 or RJ45 connectors. Whether you need a standard or build to spec design Amphenol's extensive product line is designed to meet your exact needs. Of course all cables are tested in accordance with the performance standards as internationally defined.

## STANDARD FLATCABLE ASSEMBLIES



Amphenol flat cables can be used in many applications and the variety is almost endless. We support all common standard cables from pitch 0,5 mm up to 2,54 mm and custom cables can be made on demand through Amphenol Spectra Strip. The parallel flat cable can transmit multilane signal simultaneously.

At Amphenol we have the capability to design and manufacture all of your flat ribbon cable assembly requirements.

### Cables

- .025 and .050 pitch
- LVD SCSI Twist and Flat
- PVC, TPE and Teflon
- PVC and TPE Slit
- PVC Loose Twist and Flat



## FIBRE CHANNEL



### Fibre Channel Optical Module

#### SFP+

Amphenol SFP+ Optical Transceivers are a high performance, high density, low cost solution for 10Gb Ethernet and Fibre Channel applications. These transceivers are multi-rate devices allowing for a wider range of applications and backward compatibility to legacy Fibre Channel specifications. The transceivers feature a high reliability 850 nm vertical-cavity surface-emitting laser (VCSEL) allowing for flexible link distances up to 300 meter.

The module supports the latest Improved Pluggable FormFactor (IPF) specification for improved EMI performance.

#### Key Features:

- I/O connector designed for high speed differential signal applications
- Improved Pluggable FormFactor (IPF) compliant for enhanced EMI/EMC performance
- Data rates up to 11,3Gb/s, backward compatible to 1Gb/s
- Support for 1x, 2x, 4x and 8x Fibre Channel data rates
- Link distances up to 300 meter
- High reliability and Low Power Consumption
- Push-to-release latch mechanism
- Compliant to SFP+, SFF-8431

#### Applications:

- High capacity I/O in Storage Area Networks, Network Attached Storage and Storage Servers
- Switched fabric I/O such as ultra high bandwidth switches and routers
- Data centre cabling infrastructure
- High density connections between networking equipment

#### Additional Fibre Channel Products

Amphenol also offer the following cable assemblies that are commonly used in Fibre Channel networks:

- HSSDC
- HSSDC2
- QSFP

## INFINIBAND / LOW SKEW CABLE ASSEMBLIES



Amphenol InfiniBand High Speed Assemblies are ultra-high performance, cost-effective solutions for Gigabit speed applications in data and switched fabric I/O, switches, routers and computer clusters. Available in 4 and 12 channel versions, they exceed Infiniband standard requirements and have been tested to perform in Double Data Rate (DDR) Infiniband and 10GBASE-CX4 applications.

### Key Features:

- Compliant to IBTA InfiniBand Architecture Specifications
- I/O connector defined for high speed differential signal applications
- Low insertion loss and low crosstalk
- Matched impedance (100 ohms as per standard or 150 ohms for custom applications)
- High precision control and minimization of in-pair and pair to pair skew
- Adopted by the InfiniBand Architecture Specifications the 4x and 12x I/O interface
- Data rates up to 5 Gb/s guaranteed
- Protocol-specific keying
- Cable options include Skewclear and Eye Opener Plus

### Standards Supported:

- InfiniBand 4X, 12X
- InfiniBand IBTA Volume 2 Release 1.2

### Connector Standards:

- SFF-8470

### Applications:

- Switched fabric I/O such as ultra high bandwidth switches and routers
- High Data rate low latency I/O such as clusters and supercomputers with parallel processing
- Data Storage and high capacity I/O in Storage Area Networks and Network Attached Storage
- Data Center cabling infrastructure
- High density connections between networking equipment

### Serial Speed:

Designed for high speed I/O and high performance processing systems used in routers and computer clusters.

- InfiniBand 2.5Gb/s (IB)
- InfiniBand 5.0Gb/s (IB-5G, IB-x2, IB-DDR)

## MODULAR PATCH CORDS



High speed access and reliability are essential in today's work environment. For this reason Amphenol manufactures a complete portfolio of modular patch cables known as Cat5, Cat5E and Cat6. We use shielded, unshielded or plenum cable for our cords and can be terminated with either RJ11 or RJ45 connectors. Whether you need a standard or build to spec design Amphenol's extensive product line is designed to meet your exact needs. Of course all cables are tested in accordance with the performance standards as internationally defined.

## FLEXIBLE – AND SEMI – RIGID RF CABLE ASSEMBLIES



Amphenol is the global leader in manufacturing RF connectors for a variety of applications in many industries. Known for its superior quality and design we support the Wireless Infrastructure market, Wire-line market, Instrumentation, Medical and many others with low-cost, build-to-spec RF cable assemblies with flexible-, corrugated- and rigid cable.

We use 7/16, QN and N power connectors as well as medium and small form factor connectors like i.e. BNC, TNC, SMA, SMB, QMA, MCX, MMCX and many others.

Complete test results with IMD, Return Loss etc. are common for our high class RF assemblies.



## FIBRE OPTICS



At Amphenol we have over 30 years experience of providing Fibre Optic Interconnect Solutions. We offer products for all applications and our expertise includes connectors, cable assemblies, couplers, attenuators and fibre management systems.

Amphenol can offer a single source for all your fibre optic needs and support is available from all over the world including Europe.

**Telecom:** The telecom networks depend on Fibre Optics and Amphenol can support the industry with high precision and performance product to both the OEM suppliers and the carriers or service providers across the world.



As data rates increase Amphenol Fibre Optic Products are found in Switching Systems, Transport Networks, Cellular, Wi-Max systems and FTTH programs.

**Datacom:** As suppliers to industry leading companies in this market, Amphenol can provide all aspects of the cabling systems needed for LAN and data center networks.

**Medical:** More and more medical procedures require the precise delivery of high power laser energy. Amphenol have been at the forefront of this technology from its inception. Many of the major OEM's rely on our precision products for outstanding power delivery.



**Industrial:** Fibre Optic Interconnect Products are present in many and varied applications in the industrial environment where it's immunity from EMC and the lack of EMI combines with its light weight to offer significant advantages. Amphenol products are used in Rail Transport, Harsh Environment Data Communications, Energy Generation, Oil and Gas exploration and Military and Aerospace communications.

### Products

**Connectors:** SMA, ST, FC, SC, LC, LX.5, Indoor/Outdoor Fiber Optic and PT-LC.

**Cable Assemblies:** single and multi mode, simplex, duplex or ribbon fibre

**Couplers:** 1x2, 2x2, WDM all package styles available.

**Attenuators:** Plug in style, in line.

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"Customers should check the relevant outline drawing and pictures before ordering in order to ensure the product selected is suitable for the application intended"

For detailed specifications check  
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