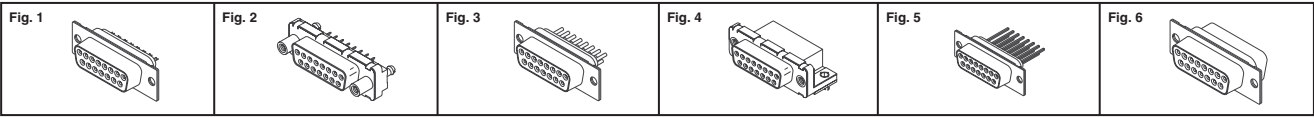




D-Sub Connectors



A

| Fig. | No. of Pins | Type | Digi-Key Part No. | 1 | Price Each 25 | 100 | FCI Part No. | |
|---|---|---------------|-------------------|---------------|---------------|----------------|------------------|----------------|
| Solder Cup — Stamped Contacts | | | | | | | | |
| 1 | 9 | Male | 609-1524-ND | 1.11 | .61 | .53 | DE09P064TXLF | |
| | 9 | Female | 609-1525-ND | 1.13 | .62 | .54 | DE09S064TLF | |
| | 15 | Male | 609-1512-ND | 1.41 | .83 | .72 | DA15P064TXLF | |
| | 15 | Female | 609-1513-ND | 1.41 | .83 | .72 | DA15S064TLF | |
| | 25 | Male | 609-1518-ND | 1.47 | .87 | .75 | DB25P064TXLF | |
| 25 | Female | 609-1519-ND | 1.47 | .87 | .75 | DB25S064TLF | | |
| Solder Cup — Machined Contacts | | | | | | | | |
| 1 | 9 | Male | 609-2805-ND | 2.53 | 1.56 | 1.38 | DEP09P065TXLF | |
| | 9 | Female | 609-2806-ND | 2.88 | 1.78 | 1.57 | DEP09S065TLF | |
| | 15 | Male | 609-2810-ND | 3.51 | 2.18 | 1.97 | DAP15P065TXLF | |
| | 15 | Female | 609-2811-ND | 5.69 | 3.54 | 3.20 | DAP15S065TLF | |
| | 25 | Male | 609-2814-ND | 4.39 | 2.85 | 2.61 | DBP25P065TXLF | |
| 25 | Female | 609-2815-ND | 8.83 | 5.73 | 5.24 | DBP25S065TLF | | |
| Vertical PCB — Stamped Contacts (with harpoon, and 4-40 screwlock) | | | | | | | | |
| 2 | 9 | Male | 609-1479-ND | 2.31 | 1.43 | 1.26 | D09P24A4GV00LF | |
| | 9 | Female | 609-1485-ND | 2.31 | 1.43 | 1.26 | D09S24A4GV00LF | |
| | 15 | Male | 609-1491-ND | 2.21 | 1.36 | 1.18 | D15P24A4GV00LF | |
| | 15 | Female | 609-1497-ND | 2.10 | 1.29 | 1.12 | D15S24A4GV00LF | |
| | 25 | Male | 609-1503-ND | 2.61 | 1.62 | 1.43 | D25P24A4GV00LF | |
| 25 | Female | 609-1509-ND | 2.30 | 1.42 | 1.26 | D25S24A4GV00LF | | |
| Vertical PCB — Machined Contacts | | | | | | | | |
| 3 | 9 | Male | 609-2807-ND | 2.54 | 1.57 | 1.39 | DEP09P365TXLF | |
| | 9 | Female | 609-2808-ND | 2.43 | 1.50 | 1.33 | DEP09S365TLF | |
| | 15 | Male | 609-2812-ND | 4.04 | 2.57 | 2.35 | DAP15P365TXLF | |
| | 25 | Male | 609-2822-ND | 6.00 | 4.08 | 3.60 | DBP25P365TXLF | |
| Right Angle PCB (with insert, harpoon, and metal plate) | | | | | | | | |
| 4 | 9 | Male | 609-1481-ND‡† | 2.04 | 1.26 | 1.13 | D09P33E4GX00LF | |
| | | Female | 609-1487-ND‡† | 2.01 | 1.24 | 1.11 | D09S33E4GX00LF | |
| | | Male | 609-1493-ND‡† | 2.45 | 1.46 | 1.27 | D15P33E4GX00LF | |
| | | Female | 609-1499-ND‡† | 2.42 | 1.44 | 1.25 | D15S33E4GX00LF | |
| | | Male | 609-1505-ND‡† | 2.58 | 1.60 | 1.41 | D25P33E4GX00LF | |
| | 15 | Female | 609-1511-ND‡† | 2.42 | 1.50 | 1.32 | D25S33E4GX00LF | |
| | | Male | 609-1478-ND‡† | 1.97 | 1.21 | 1.08 | D09P13A4GX00LF | |
| | | Female | 609-1484-ND‡† | 2.01 | 1.24 | 1.11 | D09S13A4GX00LF | |
| | | Male | 609-1490-ND‡† | 2.35 | 1.45 | 1.26 | D15P13A4GX00LF | |
| | | Female | 609-1496-ND‡† | 2.64 | 1.63 | 1.44 | D15S13A4GX00LF | |
| | 25 | Male | 609-1502-ND‡† | 2.66 | 1.65 | 1.45 | D25P13A4GX00LF | |
| | | Female | 609-1508-ND‡† | 2.27 | 1.41 | 1.24 | D25S13A4GX00LF | |
| | | Male | 609-1476-ND‡Δ | 2.00 | 1.19 | 1.07 | D09P13A4GL00LF | |
| | | Female | 609-1482-ND‡Δ | 1.97 | 1.17 | 1.05 | D09S13A4GL00LF | |
| | | Male | 609-1488-ND‡Δ | 2.24 | 1.38 | 1.20 | D15P13A4GL00LF | |
| 25 | Female | 609-1494-ND‡Δ | 2.14 | 1.32 | 1.14 | D15S13A4GL00LF | | |
| | Male | 609-1500-ND‡Δ | 2.45 | 1.52 | 1.34 | D25P13A4GL00LF | | |
| | Female | 609-1506-ND‡Δ | 2.39 | 1.48 | 1.30 | D25S13A4GL00LF | | |
| | Right Angle PCB (with screwlock, harpoon, and metal plate) | | | | | | | |
| | 4 | 9 | Male | 609-1480-ND§‡ | 2.00 | 1.23 | 1.11 | D09P33E4GV00LF |
| Female | | | 609-1486-ND§‡ | 1.85 | 1.12 | .97 | D09S33E4GV00LF | |
| Male | | | 609-1492-ND§‡ | 2.24 | 1.38 | 1.20 | D15P33E4GV00LF | |
| Female | | | 609-1498-ND§‡ | 2.21 | 1.36 | 1.18 | D15S33E4GV00LF | |
| Male | | | 609-1504-ND§‡ | 2.52 | 1.56 | 1.37 | D25P33E4GV00LF | |
| 15 | | Female | 609-1510-ND§‡ | 2.64 | 1.58 | 1.39 | D25S33E4GV00LF | |
| | | Male | 609-1477-ND‡‡ | 2.07 | 1.27 | 1.14 | D09P13A4GV00LF | |
| | | Female | 609-1483-ND‡‡ | 1.97 | 1.21 | 1.09 | D09S13A4GV00LF | |
| | | Male | 609-1489-ND‡‡ | 2.24 | 1.38 | 1.20 | D15P13A4GV00LF | |
| | | Female | 609-1495-ND‡‡ | 2.21 | 1.36 | 1.18 | D15S13A4GV00LF | |
| 25 | Male | 609-1501-ND‡‡ | 2.52 | 1.56 | 1.37 | D25P13A4GV00LF | | |
| | Female | 609-1507-ND‡‡ | 2.45 | 1.52 | 1.34 | D25S13A4GV00LF | | |
| Right Angle PCB (with screwlock, harpoon, and metal plate) — Machined Contacts | | | | | | | | |
| 4 | 9 | Male | 609-2827-ND | 6.67 | 4.54 | 4.01 | DEP09P565GTXLF | |
| | 15 | Female | 609-2831-ND | 6.63 | 4.56 | 4.15 | DAP15S565GTXLF | |
| | 25 | Male | 609-2833-ND | 8.21 | 5.82 | 5.36 | DBPV25P565GTXLF | |
| | 25 | Female | 609-2832-ND | 10.85 | 7.69 | 7.08 | DBPV25S565GTXLF | |
| High Density Right Angle PCB (with harpoon, and metal bracket) | | | | | | | | |
| 4 | 15 | Female | 609-2801-ND† | 2.66 | 1.53 | 1.32 | ICD15S13E6GX00LF | |
| | 15 | Female | 609-2802-ND‡ | 1.36 | .78 | .68 | ICD15S13E6GV00LF | |
| | 26 | Female | 609-2803-ND‡ | 2.22 | 1.37 | 1.21 | ICD26S13E4GV00LF | |
| | 26 | Female | 609-2804-ND† | 2.22 | 1.37 | 1.21 | ICD26S13E4GX00LF | |
| Wire Wrap — Machined Contacts | | | | | | | | |
| 5 | 9 | Male | 609-2818-ND | 5.27 | 3.51 | 3.15 | DEP09P465TXLF | |
| | 9 | Female | 609-2809-ND | 2.74 | 1.70 | 1.54 | DEP09S465TLF | |
| | 15 | Male | 609-2817-ND | 4.40 | 2.93 | 2.63 | DAP15P465TXLF | |
| | 15 | Female | 609-2816-ND | 5.90 | 3.93 | 3.52 | DAP15S465TLF | |
| | 25 | Male | 609-2821-ND | 6.74 | 4.58 | 4.13 | DBP25P465TXLF | |
| | 25 | Female | 609-2820-ND | 5.47 | 3.73 | 3.35 | DBP25S465TLF | |
| Crimp Shell | | | | | | | | |
| 6 | 9 | Male | 609-1466-ND | .96 | .52 | .45 | 865609PLTXLF | |
| | 9 | Female | 609-1467-ND | .99 | .54 | .46 | 865609SLTXLF | |
| | 15 | Male | 609-1468-ND | 1.07 | .60 | .52 | 865615PLTXLF | |
| | 15 | Female | 609-1469-ND | 1.05 | .58 | .50 | 865615SLTXLF | |
| | 25 | Male | 609-1470-ND | 1.11 | .61 | .53 | 865625PLTXLF | |
| | 25 | Female | 609-1471-ND | 1.17 | .64 | .56 | 865625SLTXLF | |
| Crimp Contacts (bulk) | | | | | | | | |
| 24-28AWG Gold | | Male | 609-1472-ND | .18 | .08 | .06 | 8656350064LF | |
| 24-28AWG Gold | | Female | 609-1473-ND | .17 | .08 | .06 | 8656351064LF | |
| 20-24AWG Gold | | Male | 609-1474-ND | .18 | .08 | .06 | 8656352064LF | |
| 20-24AWG Gold | | Female | 609-1475-ND | .17 | .08 | .06 | 8656353064LF | |

§ US Standard Footprint ‡ Europe Standard Footprint † 4-40 Insert Δ M3 Insert ◊ 4-40 Female Screwlock

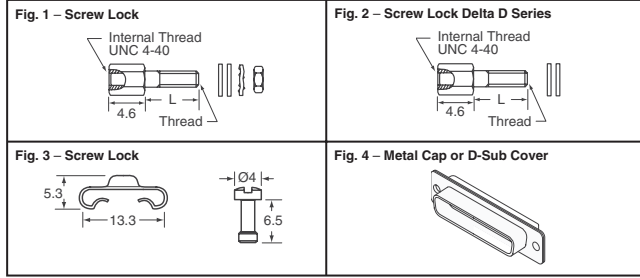
(Continued)

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D-Sub Hardware

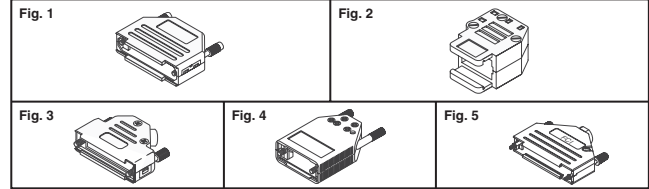
A



| Fig. | Type | No. of Contacts | Dim. L (mm) | Thread | Digi-Key Part No. | Price Each | 1 | 25 | 100 | FCI Part No. |
|------|--------|-----------------|-------------|----------|-------------------|------------|------|------|-----|--------------|
| 1 | Female | — | 8.30 | M3 | 609-1422-ND | .65 | .33 | .28 | | 863001TLF |
| | Female | — | 8.30 | M3 | 609-1446-ND | .65 | .33 | .28 | | 86552153TLF |
| | Female | — | 6.30 | M3 | 609-1417-ND | .60 | .30 | .26 | | 863001017TLF |
| | Female | — | 13.0 | M3 | 609-1421-ND | .60 | .30 | .26 | | 863001061TLF |
| | Female | — | 8.30 | UNC 4.40 | 609-1420-ND | .68 | .34 | .29 | | 863001060TLF |
| | Female | — | 8.30 | M3 | 609-1443-NDΔ | .38 | .19 | .15 | | 86551007TLF |
| 2 | Female | — | 8.30 | UNC 4.40 | 609-1444-NDΔ | .38 | .19 | .15 | | 86551009TLF |
| | Female | — | 4.50 | M3 | 609-1445-NDΔ | .51 | .25 | .21 | | 86551167TLF |
| | Female | — | 4.5 | M3 | 609-1418-ND | .49 | .24 | .20 | | 863001018TLF |
| 3 | Female | — | 4.5 | UNC 4.40 | 609-1419-ND | .49 | .24 | .20 | | 863001019TLF |
| | Male | — | — | UNC 4.40 | 609-1423-ND | .84 | .47 | .40 | | 863005ATLF |
| 4 | Male | 9 | — | — | 609-1447-ND | 1.60 | .95 | .84 | | 86553113TLF |
| | Female | 9 | — | — | 609-1450-ND | 1.62 | .96 | .85 | | 86553148TLF |
| | Male | 15 | — | — | 609-1448-ND | 1.66 | .99 | .88 | | 86553114TLF |
| | Female | 15 | — | — | 609-1451-ND | 1.66 | 1.00 | .87 | | 86553149TLF |
| | Male | 25 | — | — | 609-1449-ND | 2.08 | 1.28 | 1.11 | | 86553115TLF |
| | Female | 25 | — | — | 609-1452-ND | 2.15 | 1.32 | 1.15 | | 86553150TLF |

Δ Hardware not included

D-Sub Backshells



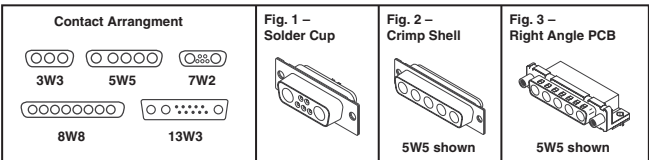
| Fig. | No. of Pins | Type | Digi-Key Part No. | Price Each | 1 | 25 | 100 | FCI Part No. |
|------|-------------|-----------|-------------------|------------|------|------|-----|----------------|
| 1 | 9 | Black | 609-1424-ND | 1.37 | .81 | .70 | | 86303637BLF |
| | 15 | Plastic | 609-1425-ND | 1.44 | .85 | .74 | | 86303638BLF |
| | 25 | Hood | 609-1426-ND | 1.50 | .86 | .77 | | 86303639BLF |
| | 37 | | 609-1427-ND | 1.74 | 1.04 | .91 | | 86303640BLF |
| | 50 | | 609-1428-ND | 3.03 | 1.86 | 1.62 | | 86303641BLF |
| 2 | 9 | Black | 609-1429-ND† | 1.89 | 1.12 | 1.01 | | 863093C09ALF |
| | 15 | Plastic | 609-1431-ND† | 1.91 | 1.14 | 1.02 | | 863093C15ALF |
| | 25 | Hood | 609-1433-ND† | 1.57 | .93 | .83 | | 863093C25ALF |
| | 37 | | 609-1435-ND† | 2.01 | 1.24 | 1.11 | | 863093C37ALF |
| | 50 | | 609-1436-ND† | 2.37 | 1.47 | 1.29 | | 863093C50ALF |
| 3 | 9 | Plastic | 609-1430-ND† | 3.03 | 1.89 | 1.71 | | 863093C09MLF |
| | 15 | Metalized | 609-1432-ND† | 3.09 | 1.99 | 1.77 | | 863093C15MLF |
| | 25 | Hood | 609-1434-ND† | 3.72 | 2.30 | 2.03 | | 863093C25MLF |
| 4 | 9 | Black | 609-1462-ND† | 2.11 | 1.30 | 1.16 | | 8655PHRA0901LF |
| | 15 | Plastic | 609-1463-ND† | 2.21 | 1.36 | 1.20 | | 8655PHRA1501LF |
| | 25 | Hood | 609-1464-ND† | 2.48 | 1.53 | 1.35 | | 8655PHRA2501LF |
| | 9 | Shielded | 609-1458-ND† | 3.56 | 2.23 | 2.04 | | 8655MHRA0901LF |
| | 15 | Metal | 609-1459-ND† | 3.79 | 2.53 | 2.26 | | 8655MHRA1501LF |
| 5 | 37 | Hood | 609-1460-ND† | 3.94 | 2.63 | 2.35 | | 8655MHRA2501LF |
| | 25 | | 609-1461-ND† | 4.66 | 3.10 | 2.78 | | 8655MHRA3701LF |
| | 9 | Shielded | 609-1453-ND† | 4.72 | 3.27 | 2.89 | | 8655MH011LF |
| 4 | 15 | Shielded | 609-1454-ND† | 5.21 | 3.55 | 3.19 | | 8655MH1511LF |
| | 25 | Metal | 609-1455-ND† | 5.76 | 3.92 | 3.46 | | 8655MH2511LF |
| | 37 | Hood | 609-1456-ND† | 6.07 | 4.30 | 3.80 | | 8655MH3711LF |
| | 50 | | 609-1457-ND† | 9.98 | 7.27 | 6.58 | | 8655MH5011LF |
| | 9 | Shielded | 609-3129-ND† | 2.50 | 1.55 | 1.37 | | 8655MH0901BLF |
| 5 | 15 | Metal | 609-3130-ND† | 2.58 | 1.61 | 1.45 | | 8655MH1501BLF |
| | 25 | Hood | 609-3131-ND† | 3.11 | 1.93 | 1.75 | | 8655MH2501BLF |
| | 37 | | 609-3132-ND† | 3.35 | 2.10 | 1.92 | | 8655MH3701BLF |

† Two Part Hoods

Combo D-Sub Connectors *Power contacts sold separately.*

| Fig. | Contact Arrangement | Type | Digi-Key Part No. | Price Each | 1 | 25 | 100 | FCI Part No. |
|------------------------|---------------------|--------|-------------------|------------|------|------|-----|------------------|
| Solder Cup | | | | | | | | |
| 1 | 7W2 | Male | 609-1516-ND | 3.40 | 2.13 | 1.95 | | DA7W2PA00LF |
| | 7W2 | Female | 609-1517-ND | 3.81 | 2.43 | 2.22 | | DA7W2SA00LF |
| Crimp Shell | | | | | | | | |
| 2 | 3W3 | Male | 609-1514-ND | 1.37 | .79 | .68 | | DA3W3PA00LF |
| | 3W3 | Female | 609-1515-ND | 1.31 | .73 | .64 | | DA3W3SA00LF |
| | 5W5 | Male | 609-1520-ND | 1.70 | 1.03 | .90 | | DB5W5PA00LF |
| | 5W5 | Female | 609-1521-ND | 1.70 | 1.03 | .90 | | DB5W5SA00LF |
| | 8W8 | Male | 609-1522-ND | 1.88 | 1.13 | .99 | | DC8W8PA00LF |
| | 8W8 | Female | 609-1523-ND | 1.88 | 1.13 | .99 | | DC8W8SA00LF |
| Right Angle PCB | | | | | | | | |
| 3 | 3W3 | Male | 609-2824-NDΔ | 2.59 | 1.77 | 1.56 | | D3W3P36A6GL08LF |
| | 3W3 | Male | 609-2825-ND† | 5.60 | 3.81 | 3.37 | | D3W3P36A6GV08LF |
| | 3W3 | Male | 609-2826-ND† | 5.71 | 3.88 | 3.43 | | D3W3P36A6GX08LF |
| | 5W5 | Male | 609-2834-ND† | 9.51 | 6.89 | 6.13 | | D5W5P36A6GV08LF |
| | 5W5 | Male | 609-2829-ND† | 5.83 | 4.14 | 3.65 | | D5W5P36A6GX08LF |
| | 13W3 | Female | 609-2819-ND† | 5.41 | 3.75 | 3.32 | | D13W3S17B5GX3CLF |

Δ M3 Insert † 4-40 Insert ◊ 4-40 Female Screwlock

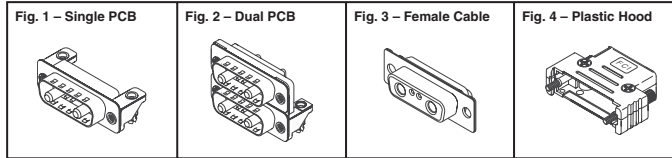


Power Contacts - Solder Bucket

| Wire Size | Type | Amps | Digi-Key Part No. | Price Each | 1 | 25 | 100 | FCI Part No. |
|-----------|--------|------|-------------------|------------|------|------|-----|---------------|
| 8 | Male | 40 | 609-1439-ND | 2.29 | 1.42 | 1.25 | | 8638PPS4005LF |
| | Female | | 609-1442-ND | 2.68 | 1.67 | 1.51 | | 8638PSS4005LF |
| 12 | Male | 20 | 609-1438-ND | 1.75 | 1.06 | .92 | | 8638PPS2005LF |
| | Female | | 609-1441-ND | 2.72 | 1.70 | 1.54 | | 8638PSS2005LF |
| 16 | Male | 10 | 609-1437-ND | 2.66 | 1.64 | 1.45 | | 8638PPS1005LF |
| | Female | | 609-1440-ND | 3.13 | 1.95 | 1.76 | | 8638PSS1005LF |

D-Sub MicroTCA™ High Power IO

The D-subminiature connector options enable 48V / 24A DC input connections to power modules used in MicroTCA™ shelves. The shielded connectors are designed to fit the power module faceplate on the front side of a power module made in accordance with the MicroTCA specification.



| Fig. | Digi-Key Part No. | Price Each | 1 | 25 | 100 | FCI Part No. |
|------|-------------------|------------|-------|-------|-----|-------------------|
| 1 | 609-3151-ND | 12.43 | 9.18 | 8.44 | | 10070158-00319XLF |
| | 609-3152-ND | 13.60 | 10.04 | 9.23 | | 10070158-00419XLF |
| 2 | 609-3153-ND | 22.54 | 16.64 | 15.30 | | 10070158-00119XLF |
| | 609-3154-ND | 24.12 | 17.81 | 16.37 | | 10070158-00219XLF |
| 3 | 609-3155-ND | 6.98 | 4.74 | 4.37 | | 10070165-00119ALF |
| | 609-3156-ND | 2.16 | 1.33 | 1.16 | | 10070163-01LF |

EDAC™ D-Sub Right Angle Ultra Slim VGA Connector

Materials and Finish: • Steel, Nickel plated • Insulator, Nylon 6T, Color Pantone Blue #2935U • Contacts: Phosphor Bronze, Gold plated on contact area Tin on tails over Nickel • Board locks, Brass Tin plated • Rivets, Brass Nickel plated

Specifications: • Current Rating: 1 Amp maximum • Insulation Resistance: 1,000 MΩ minimum 500VDC • DWD: 500VAC RMS for 1 minute • Contact Resistance: 30 mΩ maximum • Temperature Rating: -40°C - 230°C

| Contacts | Type | Digi-Key Part No. | Price Each | 10 | 100 | EDAC Part No. |
|----------|--------|-------------------|------------|------|-----|-----------------|
| 15 | Female | 151-1117-ND | 1.33 | 1.18 | .95 | 634-015-274-990 |

