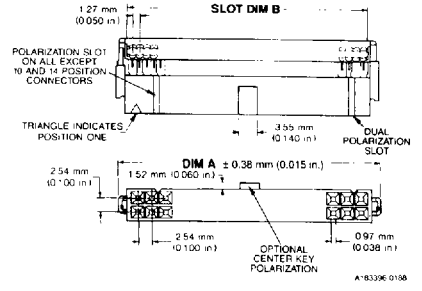
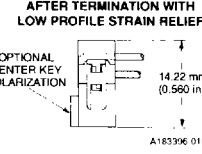
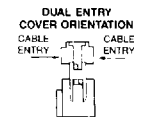
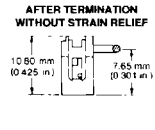
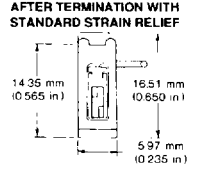
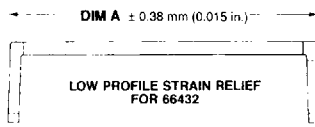
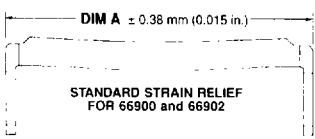


Description

Quickie™ II IDC Receptacles



Cable Specifications

- Wire size:** Stranded -- AWG 26, 28
Solid -- AWG 28, 30
- Insulation material:** Any current type
0.91 ± 0.13 mm (0.036 ± 0.005 in.)
- Pitch:** 1.27 ± 0.08 mm (0.050 ± 0.003 in.)
non-accumulative

Ordering Data

Base number specifies plating type and strain relief type



Last two digits specify total positions for each base number

Specifies polarization and strain relief type

Base Numbers
66900 and 66432: 0.76 μm (30 μin.) gold over nickel
Base Number 66902: 0.38 μm (15 μin.) gold over nickel

| Number of Positions | *Center and Dual Polarization | | | *Dual Polarization Slots | | | Dimensions | | | |
|---------------------|-------------------------------|-----------------------------|--------------------------------|-------------------------------|-----------------------------|--------------------------------|------------|-------|-------|-------|
| | Base Numbers: 66900 and 66902 | | Base No. 66432 | Base Numbers: 66900 and 66902 | | Base No. 66432 | A | | B | |
| | without strain relief | with standard strain relief | with low-profile strain relief | without strain relief | with standard strain relief | with low-profile strain relief | mm | in. | mm | in. |
| 2 x 5** | -310 | -210 | -110 | -110 | -010 | -010 | 17.27 | 0.680 | 13.21 | 0.520 |
| 2 x 7** | -314 | -214 | -114 | -114 | -014 | -014 | 22.35 | 0.880 | 18.29 | 0.720 |
| 2 x 8 | -316 | -216 | -116 | -116 | -016 | -016 | 24.89 | 0.980 | 20.83 | 0.820 |
| 2 x 10 | -320 | -220 | -120 | -120 | -020 | -020 | 29.97 | 1.180 | 25.91 | 1.020 |
| 2 x 12 | -324 | -224 | -124 | -124 | -024 | -024 | 35.05 | 1.380 | 30.99 | 1.220 |
| 2 x 13 | -326 | -226 | -126 | -126 | -026 | -026 | 37.59 | 1.480 | 33.53 | 1.320 |
| 2 x 15 | -330 | -230 | -130 | -130 | -030 | -030 | 42.67 | 1.680 | 38.61 | 1.520 |
| 2 x 17 | -334 | -234 | -134 | -134 | -034 | -034 | 47.75 | 1.880 | 43.69 | 1.720 |
| 2 x 20 | -340 | -240 | -140 | -140 | -040 | -040 | 55.37 | 2.180 | 51.31 | 2.020 |
| 2 x 22 | -344 | -244 | -144 | -144 | -044 | -044 | 60.45 | 2.380 | 56.39 | 2.220 |
| 2 x 25 | -350 | -250 | -150 | -150 | -050 | -050 | 68.07 | 2.680 | 64.01 | 2.520 |
| 2 x 30 | -360 | -260 | -160 | -160 | -060 | -060 | 80.77 | 3.180 | 76.71 | 3.020 |

Ordering data shown is for our standard product offering. For non-standard or custom products, contact your authorized Berg Electronics representative.

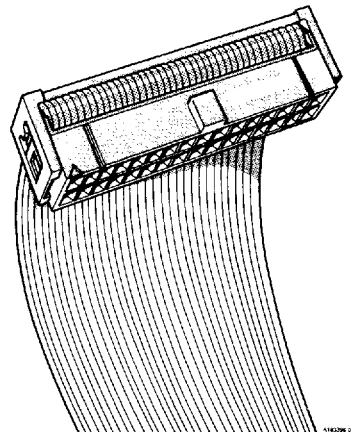
*Polarizing keys must be installed into the Berg Electronics headers to function with dual-polarization slots.

**Center key option and non-center-key option include right dual-polarization slot only.

Round Conductor, Flat Cable IDC Connectors

2.54 x 2.54 mm (0.100 x 0.100 in.)
Centerlines

Quickie™ II IDC Receptacles



Features

- 2-row: 10 through 60 total positions.
- Accepts 26, 28 AWG (stranded) or 26, 28, 30 AWG (solid) cable.
- Standard plating available in 0.76 µm (30 µin.) gold.
- IDC receptacle designed according to industry standards.
- Pre-loaded cover reduces time and cost by eliminating assembly-to-base.
- Early-entry dual-beam contact provides long wiping action during mating cycle.
- Precise alignment of cover-to-base ensures a reliable termination.
- Cover protects contacts during handling.
- Double-scalloped cable slot assists accurate positioning of the cable over the contacts.
- Dual-entry cover enables insertion of cable from both sides.
- Sight holes in cover allow for visual and electrical inspection after assembly.

Options

- Available in other plating styles.
- Dual polarization with or without center key.
- Closed covers available.
- Polarization by means of a polarization plug (P/N 65762-001) or industry-standard center key or military keys.

Mating Data

Mates with 0.64 mm (0.025 in.) square or round pin from 4.32 mm (0.170 in.) min to 6.35 mm (0.250 in.) max. A nominal 5.84 mm (0.230 in.) length is recommended.


Berg Electronics Products Page


- Quickie II and III Headers 23-16 to 23-49
- BergStik 2-Row Vertical and Right-Angle Headers . . . 13-54, 13-56 & 13-61
- BergPins 13-106 to 13-116

Specifications

Compatible with MIL-C-83503

Approvals and Certifications

 File no. E66906

 File no. LR46923

Application Equipment

| Description | Page |
|--|-------|
| ▪ Hand-operated cable cutter HT-209A | 23-65 |
| ▪ Hand tool HT-210A | 23-65 |
| ▪ Hand-operated bench press QP-104 | 23-64 |
| ▪ Semi-automatic bench assembly machine QP-106 | 23-64 |
| ▪ Semi-automatic press QP-112 | 23-64 |
| ▪ Fully-automatic assembly machine QP-113 | 23-65 |

Accessories

See receptacle accessory page 23-14 for pull tab and polarization plug data.

Technical Data

Materials

- Housing material Glass-filled thermoplastic polyester (UL 94 V-0)
 - ▶ Color Blue
- Contact body material Phosphor-bronze

Plating

- Underplate 1.27 µm (50 µin.) min nickel
- Finish 0.76 µm (30 µin.) min gold or 0.38 µm (15 µin.) min gold

Electrical Performance

- Insulation resistance 5×10^4 MΩ min initial
- Resistance 15 mΩ max
- Withstanding voltage >1000 V ac rms (sea level)
- Current rating 1 amp continuous

Mechanical Performance

- Insertion force per contact For this
- Normal force per contact data,
- Withdrawal force per contact see
- Contact retention force BUS-12-082
- Durability (mating cycles) Specification

Operating Environment

- Temperature range -65°C to +105°C

Packaging

- Antistatic tubes

Customer Support Materials

| Description | Order No. | Description | Order No. |
|------------------------------------|----------------|----------------------------|--------------|
| Customer Product Drawing | By Part Number | ▪ Product Sample | Upon Request |
| Product Specifications | BUS-12-082 | | |