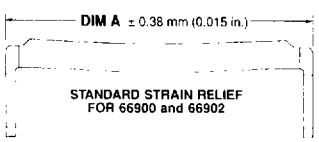
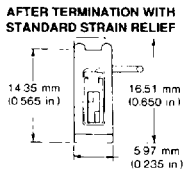
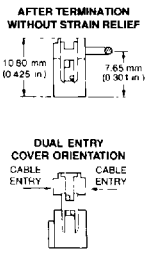
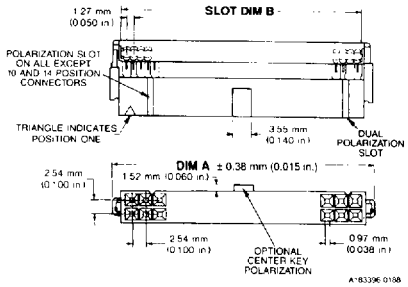
Description

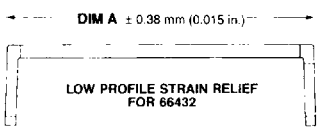
Quickie™ II IDC Receptacles

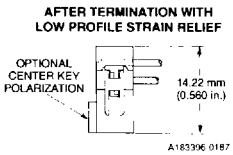












Cable Specifications

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

□□□□□-XYY

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**

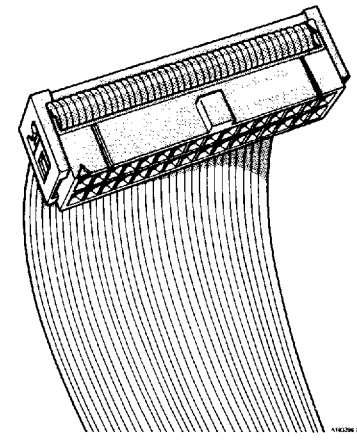
Ordering data shown is for our standard product offering. For non-standard or custom products, contact your authorized Berg Electronics representative.

*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.
Customer Product Drawing	By Part Number
Product Specifications	BUS-12-082
■ Product Sample	Upon Request