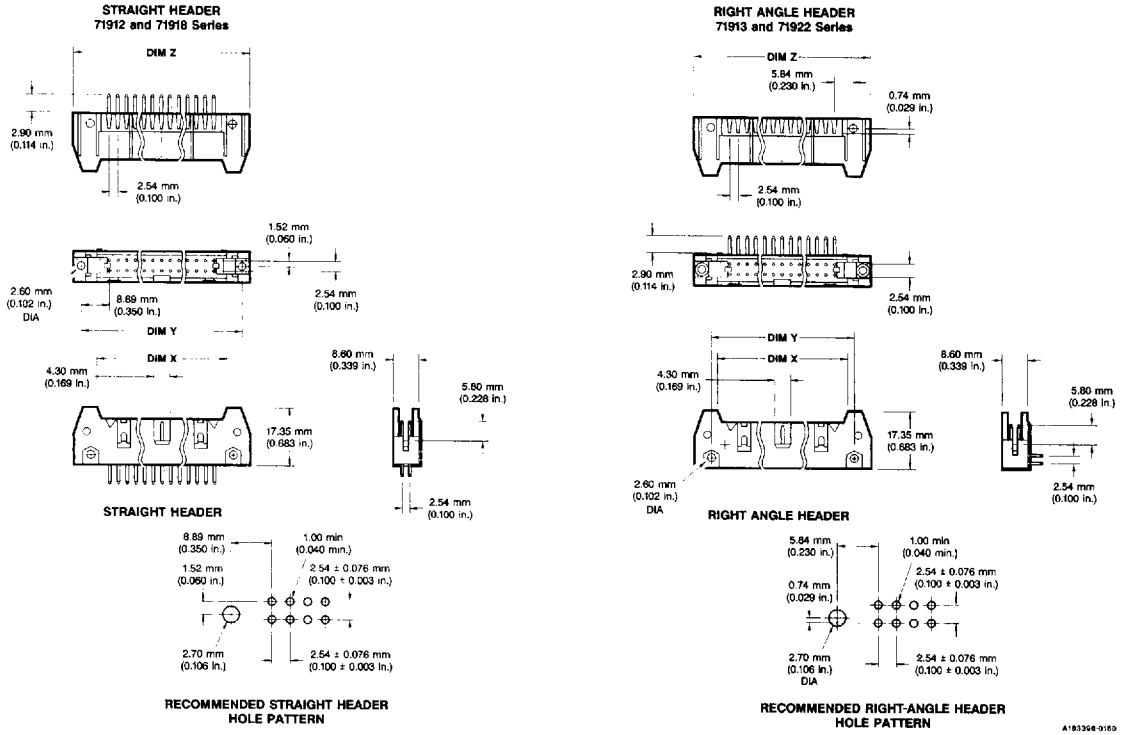
Description

Quickie™ III IDC Straight and Right-Angle Latch and Eject Headers



Ordering Data

Base number specifies plating type and right-angle or straight configuration

□□□□□-XYY

Specifies total positions available for each base number

Specifies latch type

Base no. 71912: 0.76 µm (30 µin.) gold over nickel; straight configuration
Base no. 71913: 0.76 µm (30 µin.) gold over nickel; right-angle configuration
Base no. 71918: 0.76 µm (30 µin.) GXT™ over nickel; straight configuration
Base no. 71922: 0.76 µm (30 µin.) GXT™ over nickel; right-angle configuration

Number of Positions	Base Numbers 71912, 71913, 71918, 71922			Dimensions					
	Dash Numbers---Latches			X		Y		Z	
	none	standard	low-profile	mm	in.	mm	in.	mm	in.
2 x 3	-006	-106	-206	13.15	0.518	22.86	0.900	26.92	1.060
2 x 4	-008	-108	-208	15.69	0.618	25.40	1.000	29.46	1.160
2 x 5	-010	-110	-210	18.23	0.718	27.94	1.100	32.00	1.260
2 x 7	**-014**	**-114**	**-214**	**23.31**	**0.918**	**33.02**	**1.300**	**37.08**	**1.460**
2 x 8	**-016**	**-116**	**-216**	**25.85**	**1.018**	**35.56**	**1.400**	**39.62**	**1.560**
2 x 9	**-018**	**-118**	**-218**	**28.39**	**1.118**	**38.10**	**1.500**	**42.16**	**1.660**
2 x 10	-020	-120	-220	30.93	1.218	40.64	1.600	44.70	1.760
2 x 13	-026	-126	-226	38.55	1.518	48.26	1.900	52.32	2.060
2 x 17	-034	-134	-234	48.71	1.918	58.42	2.300	62.48	2.460
2 x 20	**-040**	**-140**	**-240**	**56.33**	**2.218**	**66.04**	**2.600**	**70.10**	**2.760**
2 x 22	**-044**	**-144**	**-244**	**61.41**	**2.418**	**71.12**	**2.800**	**75.18**	**2.960**
2 x 25	**-050**	**-150**	**-250**	**69.03**	**2.718**	**78.74**	**3.100**	**82.80**	**3.260**
2 x 30	-060	-160	-260	81.73	3.218	91.44	3.600	95.50	3.760
2 x 32	-064	-164	-264	86.81	3.418	96.52	3.800	100.58	3.960

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

For dual-polarization, order dual-polarization key P/N 67020-001.

Shrouded Headers

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

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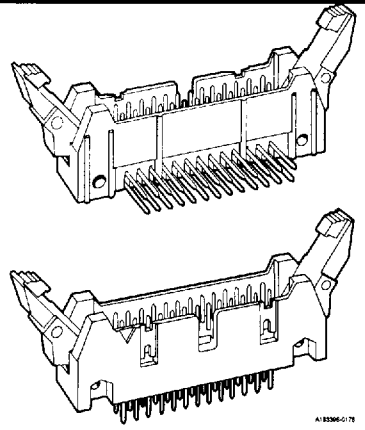

Features

- 2-row: 6 through 64 total positions.
- Applicable to pc board thickness 1.58 mm (0.062 in.).
- Headers have 0.64 mm (0.025 in.) square duplex-plated pins.
- Standard plating available in 0.76 µm (30 µin.) gold and 0.76 µm (30 µin.) GXT™ (palladium-nickel alloy with gold flash).
- Shrouding protects pins in unmated condition and prevents misalignment.
- Standoffs for cleaning purposes.

Options

- Standard or low-profile latches for latch and eject capability.
- Other plating types.
- Longer solder tails.
- Polarization keys P/N 67020-001 - See IDC Accessories on page 23-51.
- Retentive pin feature holds header to the board during soldering process.

Mating Data

Berg Electronics Products	Page
All Quickie receptacles	23-4 to 23-9
Select discrete wiring mini-latch housings Series 65043	13-16
and 65846	13-18

Approvals and Certifications

File no. E66906

File no. LR46923

Accessories

See page 23-50 for latch and dual-polarization key data.

Technical Data

Materials

- Housing material ..... Glass-filled polyester (UL 94 V-0)
  - Color ..... Gray
- Applicable soldering processes ..... Wave
- Pin ..... Phosphor-bronze

Plating

- Underplate ..... 1.27 µm (50 µin.) min nickel
- Finish
  - Contact..... 0.76 µm (30 µin.) min gold or 0.76 µm (30 µin.) min GXT™
  - Solder tail ..... 4 µm (160 µin.) min tin-lead

Electrical Performance

- Insulation resistance..... 1 x 10^5 MΩ initial
- Withstanding voltage..... >1000 V ac rms (sea level)
- Current rating ..... 3 amp continuous

Mechanical Performance

- Insertion force per contact..... Dependent upon
- Normal force per contact..... mating receptacle; refer
- Withdrawal force per contact ..... to mating receptacle
- Contact retention force..... data for this
- Durability (mating cycles) ..... information

Operating Environment

- Temperature range..... -65°C to +105°C

Packaging

- Bags

Customer Support Materials

Description	Order No.
Customer Product Drawing	By Part Number
Product Specifications.....	BUS-12-095
Product Sample.....	Upon Request