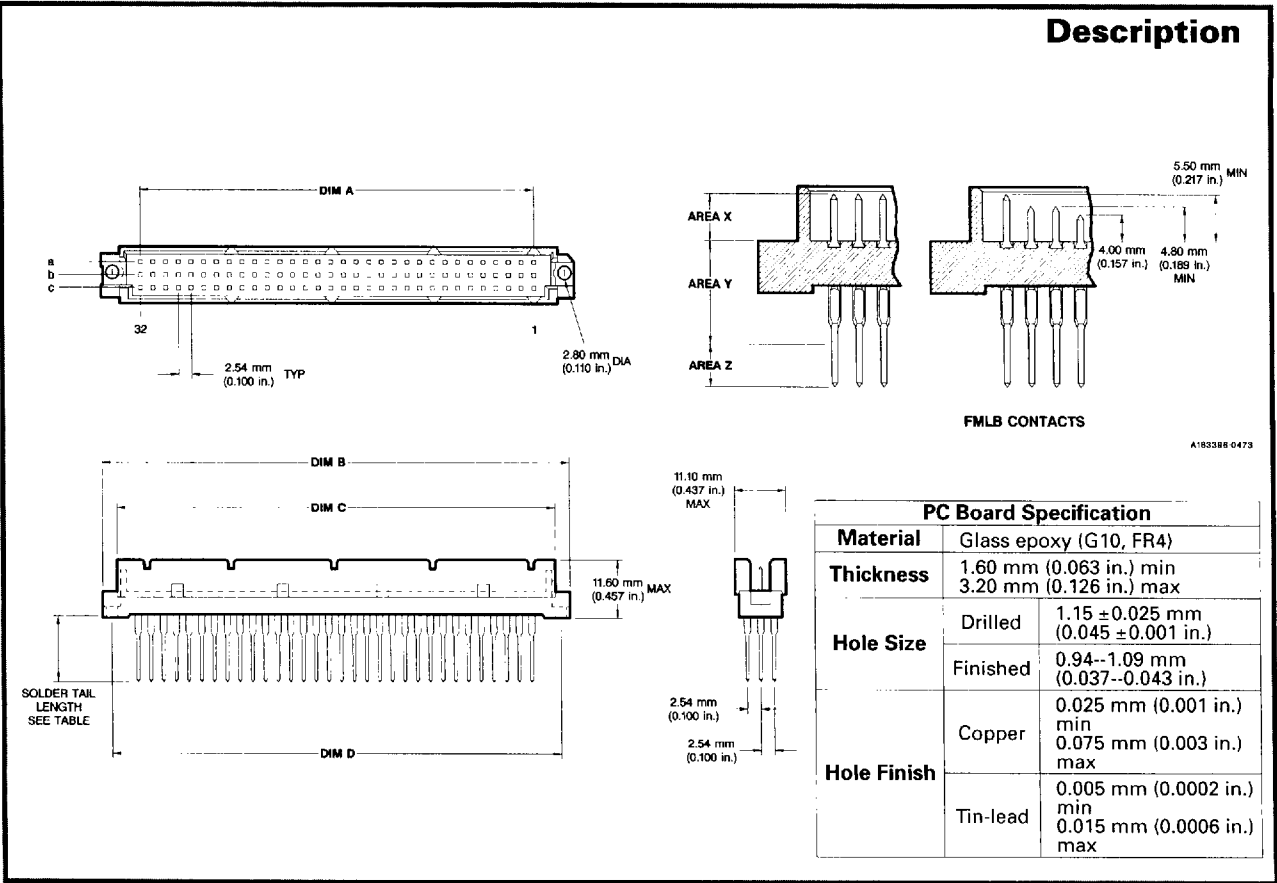


Description



Last digit of base number specifies solder tail length. Dash number specifies finish (X), plating, solder tail length, and loading.

□ □ □ □ □ - X Y Y

X: Code for finish				
Area	-2YY	-4YY	-8YY	-9YY
X	0.8 μm (30 μin.) gold over nickel	0.4 μm (15 μin.) gold over nickel	0.8 μm (30 μin.) gold over nickel	0.4 μm (15 μin.) gold over nickel
Y	gold flash over nickel	gold flash over nickel	nickel	nickel
Z	0.8 μm (30 μin.) gold over nickel	0.4 μm (15 μin.) gold over nickel	4.0 μm (160 μin.) tin-lead over nickel	4.0 μm (160 μin.) tin-lead over nickel

Part Number	Number of Positions	Part Number	Number of Positions	Rows Loaded	Tail Length		Finish Replace X in dash number
					mm	in.	
68301-X02	32	71656-X11	16	a, c	6	0.236	2, 4, 8, 9
68301-X04	64	71656-X15	32	a, c			
68301-X06	96	71656-X10	48	a, b, c			
68302-X02	32	71656-X51	16	a, c	13	0.512	2, 4, 8, 9
68302-X04	64	71656-X55	32	a, c			
68302-X06	96	71656-X50	48	a, b, c			
68303-X02	32	71656-X61	16	a, c	20	0.787	2, 4, 8, 9
68303-X04	64	71656-X65	32	a, c			
68303-X06	96	71656-X60	48	a, b, c			

Dimensions				
Part Number	A	B (max)	C (max)	D
6830X	78.74 mm (3.100 in.)	95.00 mm (3.740 in.)	88.00 mm (3.465 in.)	90.00 mm (3.543 in.)
71656 (Half DIN)	38.10 mm (1.500 in.)	---	---	49.36 mm (1.943 in.)

Notes

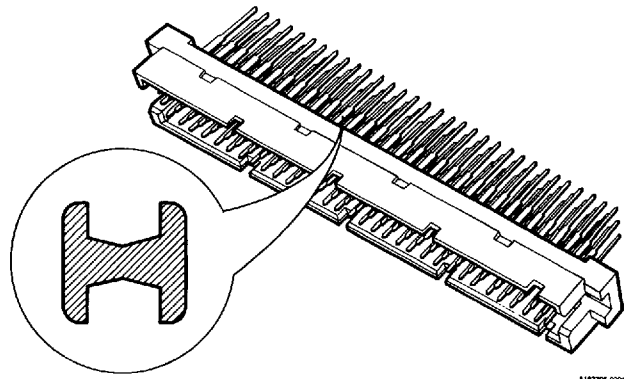
- The even positions are loaded for spacing 5.08 mm (0.200 in.).
- For special versions such as selective loading and advanced earth contacts, contact your local Berg Electronics sales office.
- See for "Board-to-Board Coding System," page 18-10 and for "Polarizing and Latching System," page 18-48.
- For handtool and application machine information, see page 18-55, 18-53, & 18-54.

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

Compliant Press-Fit Pin Headers

2.54 mm (0.100 in.) Press-Fit Centerlines

**3-Row DIN
Press-Fit
Vertical Header**



A18296-009

Features

- Electrical and mechanical properties according to DIN 41611, DIN 41612-Series R, IEC 603-2, HE 12 and BT D2580D.
- Rear plug-up version.
- Reliable H-shaped compliant press-fit section provides optimum pin stability and a gastight connection in the four contact areas.
- Large hole tolerance: 0.94 mm -- 1.09 mm (0.037--0.043 inch).
- Individual pins are replaceable up to 5 times.

Options

- Selective loading.
- 17.00 mm and 19.00 mm tail lengths also available.
- Triplex platings.
- Coding.
- First make-last break (FMLB).

Mating Data


Mates to 2.54 x 2.54 mm (0.100 x 0.100 inch) DIN Receptacles


Berg Electronics Products	Page
▪ DIN right-angle receptacles	18-22
▪ DIN vertical receptacles	18-16 & 18-18
▪ Cable connector polarizing and latching system	18-48
▪ DIN flat cable connector	18-50

Specifications

- DIN 41611
- DIN 41612
- IEC 603-2
- HE 12
- BT D2580D

Approvals and Certifications

 File no. E66906

 File no. LR46923

Application Equipment

Description	Page
▪ HT-301 Extraction tool	18-55
▪ HT-302 Insertion tool.	18-55
▪ PMC-100 Airpress (3 tons)	18-53
▪ PEC-102 Semi-automatic bench press	18-54

Technical Data

Materials

- Housing material Glass-filled thermoplastic polyester (UL 94 V-0)
 - ▶ Color Gray
- Pin Phosphor-bronze

Plating

- Finish see "Ordering Data"

Electrical Performance

- Current rating 2 amp max
- Withstanding voltage 1000 V rms (sea level)

Mechanical Performance

- Insertion force 200 N (20 kgf) max per position
- Retention force 55 N (5.5 kgf) min initially - 35 N (3.5 kgf) per position after environmental tests
- Durability (Mating cycles) According to DIN 41640

Operating Environment

- Temperature Range -55°C to +125°C

Packaging

- Trays

Customer Support Materials

Description	Order No.	Description	Order No.
Customer Product Drawings	By Part Number	Test Data	Lab Reports Nos. 1178 and 1179
Application Drawings	TA 561, 562-A, 562-B	Product Substitutions	Upon Request
Product Samples	Upon Request		

9005411 0002756 42T