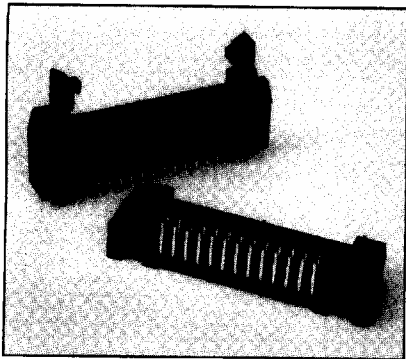


HEADERS



4 Sided .025" sq. Post Headers

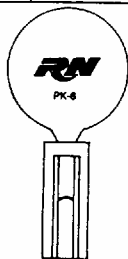
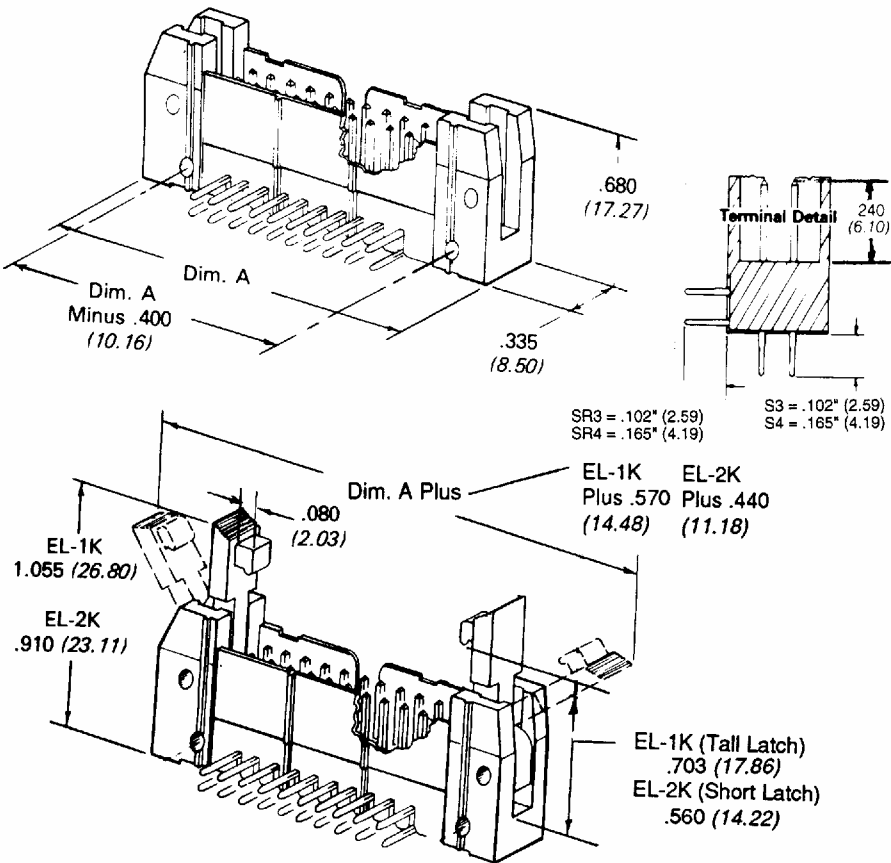
IDH-PK Series



- MIL-C-83503, DIN 41651 and BT-224 Compatible
- 4-sided body provides complete pin protection and polarization
- Available with ROBEX® better-than-gold plating

For Recommended PC Board Layout See Page 351.

Tabulations			
No. of Contacts	Dim. A. Inches (mm)	Dim. B Inches (mm)	Dim. C Inches (mm)
10	1.260 (32.00)	1.100 (27.94)	.400 (10.16)
14	1.460 (37.08)	1.300 (33.02)	.600 (15.24)
16	1.560 (39.62)	1.400 (35.56)	.700 (17.78)
20	1.760 (44.70)	1.600 (40.64)	.900 (22.86)
26	2.060 (52.32)	1.900 (48.26)	1.200 (30.48)
34	2.460 (62.48)	2.300 (58.42)	1.600 (40.64)
40	2.760 (70.10)	2.600 (66.04)	1.900 (48.26)
50	3.260 (82.80)	3.100 (78.74)	2.400 (60.96)
60	3.760 (95.50)	3.600 (91.44)	2.900 (73.66)



PK-6
Snap-In
Polarization
Key

How to Order IDH-PK Series

Series: **IDH - 10 PK 1 - S3 TR** Plating Code: Specify TR, TG30, TG

Number of Contacts: Termination Style/Tail Length

10, 14, 16, 20, 26, 34, 40, S3 = Solder/.102" (2.59)

50 and 60 S4 = Solder/.165" (4.19)

SR3 = Solder, Right Angle/.102" (2.59)

SR4 = Solder, Right Angle/.165" (4.19)

Header Options:

Blank = Without Latches

1 = EL-1K Ejector Latches Installed

2 = EL-2K Ejector Latches Installed

HEADER ACCESSORIES

These accessories for the IDH Series may be ordered as separate items:

Polarlization Keys - PK-6

Long Ejector Latches - EL-1K

Short Ejector Latches - EL-2K

Materials:

Body: Glass-filled, black polyester
Contact: Phosphor Bronze

Agency Approvals:



#E73746



#46898

Performance

Characteristics:

Temperature Range: -55°C to + 105°C
Contact Resistance: 20 Milliohms Max.
Insulation Resistance: 5000 Megaohms Min.
Dielectric Withstand Voltage: 500 volts DC
Current Rating: 1 Ampere at 100°C ambient
Flammability: UL 94V-0

Plating Description

Suffix: TR = 10 µinch (.254 µm) minimum
ROBEX® on contact area.
100 µinch (2.54 µm) minimum
Tin on terminal area.

TG = 10 µinch (.254 µm) minimum
Gold on contact area.
100 µinch (2.54 µm) minimum
Tin on terminal area.

TG30 = 30 µinch (.762 µm) minimum
Gold on contact area.
100 µinch (2.54 µm) minimum
Tin on terminal area.

For other plating options consult factory.
All options include an underplate of 50 µinch
(1.27 µm) minimum Nickel.

IDC Product Specifications and Test Data

Electrical

Current Rating	1 Amp
Insulation Resistance	>5 X 10 ⁹ Ohms at 500 VDC
Withstanding Voltage	500 VRMS at Sea Level
Contact Resistance	20 milliohms Maximum

Environmental

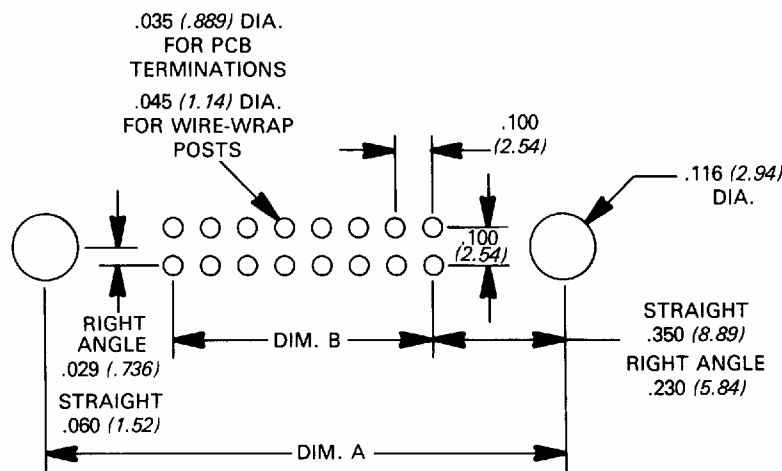
Operating Temperature	
Phos Bronze Contacts	-55°C to + 105°C
Be Cu Contacts	-55°C to + 125°C
Corrosive Atmosphere	
Ammonium Polysulfate (4 Hours)	R _C = 9.3 milliohms
Nitric Acid (1 Hour)	R _C = 8.4 milliohms
Salt Spray	
MIL-STD-1344, Method 1001, Condition B	R _C - 11.7 milliohms
+ 35°C, 96 Hours	(no damage)
Humidity	
MIL-STD-1344, Method 1002, Type I, Condition B	R _C = 14.8 milliohms
96 Hours, 95% Relative Humidity, + 40°C	(no damage)
Thermal Shock	
MIL-STD-1344, Method 1003, Condition A	R _C - 11.7 milliohms
-55°C to + 85°C (5 Cycles)	(no damage)
Mechanical Shock	
MIL-STD-1344, Method 2004, Condition G	No Discontinuity
100 Gs, 6 milliSeconds Each Axis	
Vibration	
MIL-STD-1344, Method 2005, Condition 4	No Discontinuity
10-2000 Hz, 20 G Peak (12 Cycles)	
Temperature Life	
MIL-STD-1344, Method 1005, 1,000 Hours, Condition 4	R _C - 14.9 milliohms
+ 105°C	
Socket Durability	
500 Cycles	R _C = <12 milliohms

Note: For Complete test results on high reliability ROBEX® plating (TR and TR30), contact the factory.

.025" Sq. Post Headers

The detail below describes the recommended mounting hole patterns and hole sizes for the following post leader series: IDH-PK, IDH-K, IDH-LP.

Note: The mounting hole information will apply to IDH-PK and IDH-K Series only.



IPC CABLE-TO-BOARD

Inches (mm)

No. of Contacts	Dim. A for Straight Mount	Dim. A for Right Angle Mount	Dim. B
10	1.100 (27.94)	.860 (21.84)	.400 (10.16)
14	1.300 (33.02)	1.060 (26.92)	.600 (15.24)
16	1.400 (35.56)	1.160 (29.46)	.700 (17.78)
20	1.600 (40.64)	1.360 (34.54)	.900 (22.86)
26	1.900 (48.26)	1.660 (42.16)	1.200 (30.48)
34	2.300 (58.42)	2.060 (52.32)	1.600 (40.64)
40	2.600 (66.04)	2.360 (59.94)	1.900 (48.26)
50	3.100 (78.74)	2.860 (72.64)	2.400 (60.96)
60	3.600 (91.44)	3.360 (85.34)	2.900 (73.66)