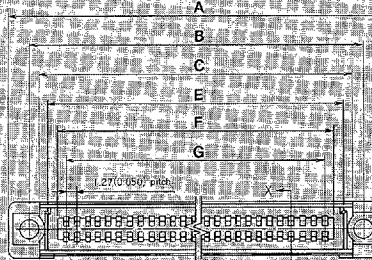
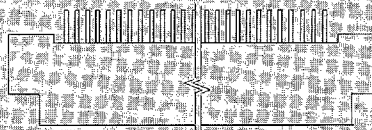
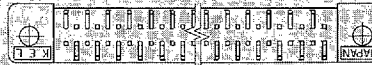


8800 series Plug (Straight Terminal)

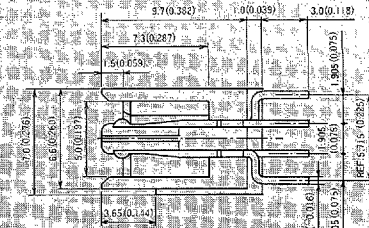
8810-XXX-170S

With Flange (No hook)

No. of contacts	20, 26, 30, 32, 34, 40, 50, 52, 60, 68, 80, 100
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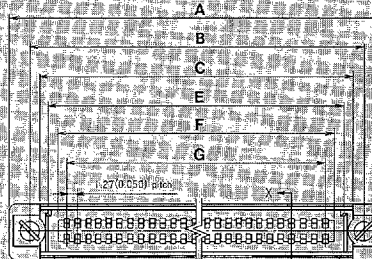
Section X-X'



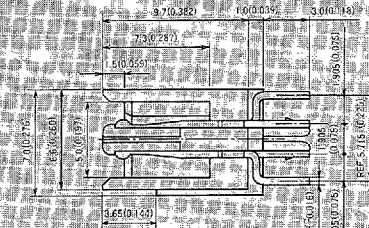
8811-XXX-170S

With Flange (With hook)

No. of contacts	20, 26, 30, 32, 34, 40, 50, 52, 60, 68, 80, 100
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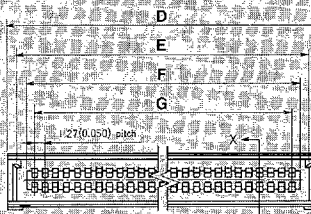
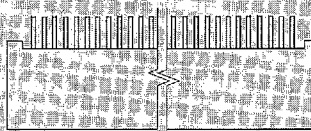
Section X-X'



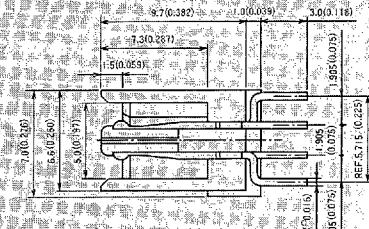
8812-XXX-170S

No Flange

No. of contacts	20, 26, 30, 32, 34, 40, 50, 52, 60, 68, 80, 100
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Section X-X'



Dimensions for Plug

No. of contacts	A B C D E F G							No. of contacts	A B C D E F G							No. of contacts	A B C D E F G														
	mm (inch)								mm (inch)								mm (inch)														
20	25.43 (1.001)	20.32 (.800)	17.83 (.702)	17.83 (.702)	15.83 (.623)	13.03 (.513)	11.43 (.450)	34	34.32 (1.351)	29.21 (1.150)	26.72 (1.052)	26.72 (1.052)	24.72 (.973)	21.92 (.863)	20.32 (.800)	60	50.83 (2.001)	45.72 (1.800)	43.23 (1.702)	43.23 (1.702)	41.23 (1.623)	38.43 (1.513)	36.83 (1.450)	80	63.53 (2.501)	58.42 (2.300)	55.93 (2.202)	55.93 (2.202)	53.93 (2.123)	51.13 (2.013)	49.53 (1.950)
26	29.24 (1.151)	24.13 (.950)	21.64 (.852)	21.64 (.852)	19.64 (.773)	16.84 (.663)	15.24 (.600)	40	38.13 (1.501)	33.02 (1.300)	30.53 (1.202)	30.53 (1.202)	28.53 (1.123)	25.73 (1.013)	24.13 (.950)	68	55.91 (2.201)	50.80 (2.000)	48.31 (1.902)	48.31 (1.902)	46.31 (1.823)	43.51 (1.713)	41.91 (1.650)	100	76.23 (3.001)	71.12 (2.800)	68.63 (2.702)	68.63 (2.702)	66.63 (2.623)	63.83 (2.513)	62.23 (2.450)
30	31.78 (1.251)	26.67 (1.050)	24.18 (.952)	24.18 (.952)	22.18 (.873)	19.38 (.763)	17.78 (.700)	50	44.48 (1.751)	39.37 (1.550)	36.88 (1.452)	36.88 (1.452)	34.88 (1.373)	32.08 (1.263)	30.48 (1.200)																
32	33.05 (1.301)	27.94 (1.100)	25.45 (1.002)	25.45 (1.002)	23.45 (.923)	20.65 (.813)	19.05 (.750)	52	45.75 (1.801)	40.64 (1.600)	38.15 (1.502)	38.15 (1.502)	36.15 (1.423)	33.35 (1.313)	31.75 (1.250)																

A NEW STANDARD FOR HIGH-DENSITY MOUNTING

50mil pitch (1.27mm) 2 piece connectors

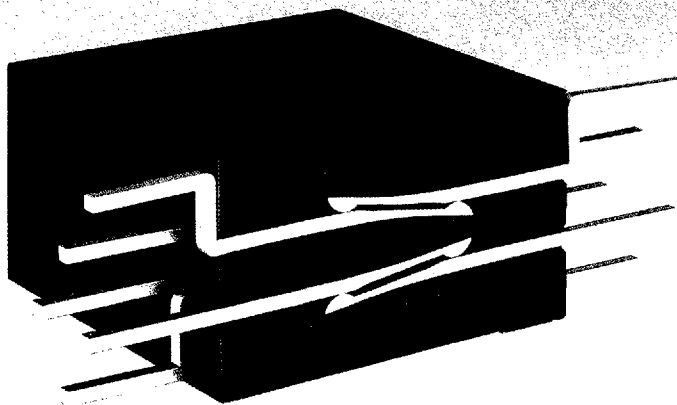
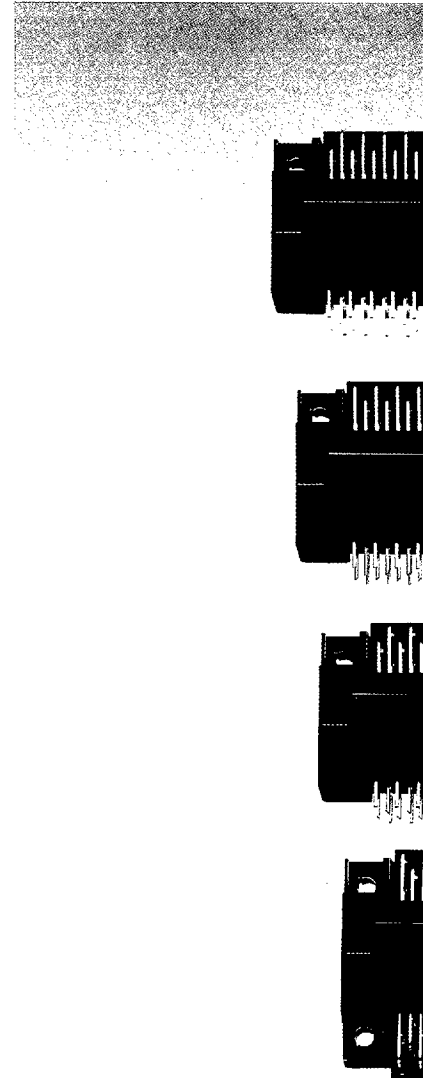


fig. 1

Until now the standard pitch for PC board connectors has been 100 mil (2.54mm), but as systems become smaller and the corresponding mounting density of PC boards increases, it becomes necessary to increase the density and thus reduce the size of connectors. As always, KEL is sensitive to the needs of the market and has produced the "Hi-Packel" 8800 Series of 50 mil (1.27mm) connector. This 50 mil connector is for a new age of electronics, already initiated with KEL's successful 50 mil card edge connectors. The integrated know-how acquired from these edge connectors has been fully utilized in the Hi-Packel 8800 Series.

One example of this is the vertical with 2 mating points, straight-beam construction (ref. fig. 1) used in the contacts, the most important of the connector. This type of contact construction along with the employed surface treatment technology ensures a low insertion force, but also maintains high reliability. At the same time, the design concept of 2-piece (male/female) matching connectors increases productivity, which means lower costs and greater product diversity. This connector reduces the existing 100 mil (2.54mm) spacing standard by half, effectively doubling mounting density. Smaller PC boards and smaller connectors lead to an overall cost reduction of the system.



Specifications

- | | |
|---|--|
| <ul style="list-style-type: none"> ● Insulator:
Glass-filled Nylon 66 (UL94V-0) ● Contact:
Copper alloy
Gold plating over nickel on contact area,
Tin plating on terminal | <ul style="list-style-type: none"> ● Current rating: 0.5A/Pin ● Contact resistance: 25mΩ max. ● Dielectric withstanding voltage: 650V AC/1 minute ● Insulation resistance: 1,000MΩ min./500V DC ● Insertion force: 30 pin-2.9kg max., 40 pin-3.8kg max.
50 pin-4.8kg max., 60 pin-5.7kg max. ● Withdrawal force: 30 pin-0.6kg min., 40 pin-0.8kg min.
50 pin-1.0kg min., 60 pin-1.2kg min. |
|---|--|