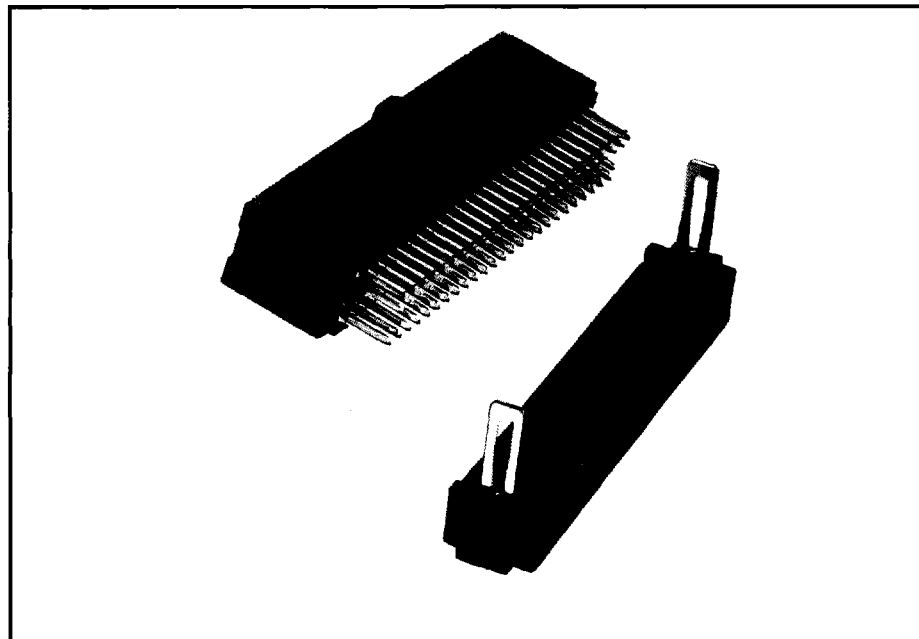


HIGH-DENSITY .025" CABLE-MOUNT IDC SOCKETS



benefits

- Positive mating molded body key
- Unique three-blade IDC contact design helps prevent cable conductor degradation during displacement
- Gold over nickel plating

characteristics

Physical

Contact material: Copper alloy
 Contact plating: Gold over nickel
 Contact spacing: 0.05" grid on 0.025" centers
 Housing and cover material: 94 V-O glass reinforced PBT, blue
 Strain relief material: 94HB glass reinforced nylon, blue
 Operating temperature: -20°C to +105°C (-4°F to +221°F)
 Mating cable: 30 AWG solid conductor or 32 AWG stranded flat ribbon cable

Electrical

Insulation resistance: 5,000 megaohms minimum at 50V DC
 Breakdown voltage: 750V DC for one minute
 Voltage rating: 185V
 Current rating: 0.5 amps

description

Amphenol high density 25 MIL IDC sockets, featuring 0.025" contact spacing, are designed for use in condensed FRC wiring applications on printed circuit boards in computers and other electronic equipment.

These highly miniaturized connectors offer opportunities for significant reductions in size, and/or increased printed circuit densities.

25 MIL sockets feature an innovative, three-blade contact arrangement allowing mass termination of 0.025" conductor center flat ribbon cable without costly pre-processing procedures. Each blade has a tapered tip and chamfered edges to help prevent wire and blade damage during displacement.

This feature also helps assure precise contact alignment and positioning in the holes in the insulation plates. These holes easily accommodate insertion of test probes for simplified conductivity testing. All 845 series 25 MIL connectors feature Gold flash over Nickel plated, Copper alloy contacts for excellent conductivity.

compatibility

845 series sockets mate with the following Amphenol connectors:
 845 series .025" IDC headers

The following Amphenol cable series are appropriate for use with these connectors:

Cable series 133-3014, 151-3033, 191-3003, 191-3404

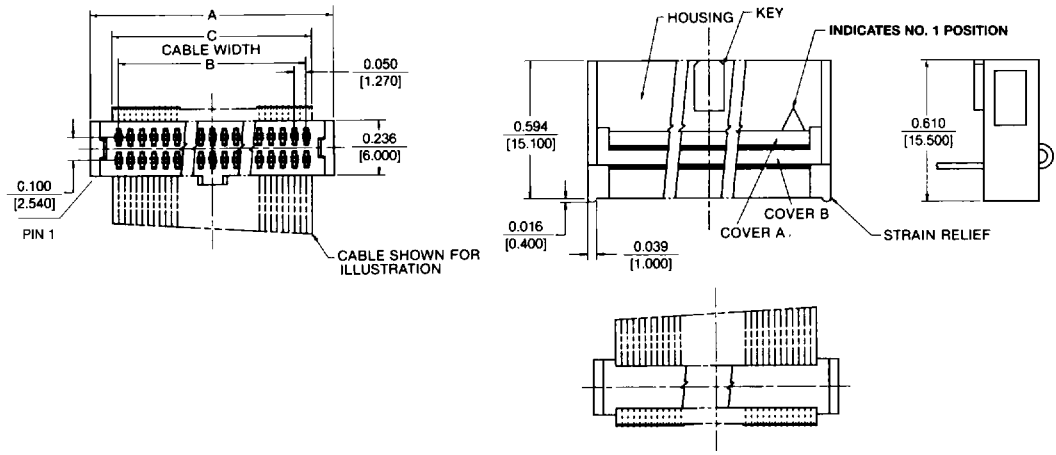
termination tooling

See page 58

.025" Pitch Sockets & Headers

HIGH-DENSITY .025" CABLE-MOUNT IDC SOCKETS

dimensions and ordering information



.025" Pitch
Sockets & Headers

Part Number	No. of Contacts	Dimensions in Inches (mm)			
		A	B = N x .050 (1.27)		C
			N	B	
845-C010S-ALA55	10	.436 (11.08)	N = 4	.200 (5.08)	.250 (6.35)
845-C016S-ALA55	16	.586 (14.89)	N = 7	.350 (8.89)	.400 (10.16)
845-C020S-ALA55	20	.686 (17.43)	N = 9	.450 (11.43)	.500 (12.70)
845-C026S-ALA55	26	.836 (21.24)	N = 12	.600 (15.24)	.650 (16.51)
845-C034S-ALA55	34	1.036 (26.32)	N = 16	.800 (20.32)	.850 (21.59)
845-C040S-ALA55	40	1.186 (30.13)	N = 19	.950 (24.13)	1.000 (25.40)
845-C050S-ALA55	50	1.436 (36.48)	N = 24	1.200 (30.48)	1.250 (31.75)
845-C060S-ALA55	60	1.686 (42.83)	N = 29	1.450 (36.83)	1.500 (38.10)
845-C064S-ALA55	64	1.786 (45.37)	N = 31	1.550 (39.37)	1.600 (40.64)
845-C068S-ALA55	68	1.886 (47.90)	N = 33	1.650 (41.91)	1.700 (43.18)
845-C080S-ALA55	80	2.186 (55.52)	N = 39	1.950 (49.53)	2.000 (50.80)
845-C100S-ALA55	100	2.686 (68.22)	N = 49	2.450 (62.23)	2.500 (63.50)

All connectors are flat ribbon cable IDC for use with solid 30 AWG cable of .025" (0.64mm) pitch or stranded 32 AWG cable of .025" (0.64 mm) pitch. All contacts are 30 microinch gold plated on the mating area, gold flash plated on the termination area with nickel underplate on the entire contact. Connectors include strain relief and molded-in center polarizing key.