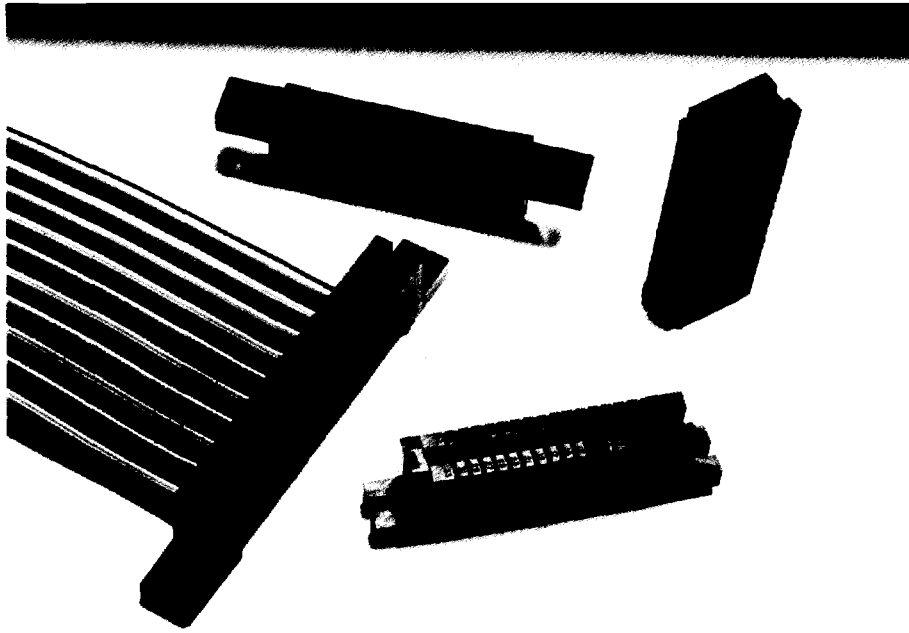


CARD-EDGE CONNECTORS



benefits

- Meets applicable portions of MIL-C-21097
- Cover can be easily removed and reterminated
- Low insertion force
- Fully bifurcated contacts
- Closed-entry insulators
- Three mounting configurations
- Pre-assembled
- No strain relief needed
- Polarizing key
- UL & CSA recognized
- Molded-in key between contacts*

characteristics

Physical

Contact spacing: 100" (2,54mm)
 centers, terminates to .050" flat cable
 Number of contacts: 10, 20, 26, 34, 40,
 50 and 60
 Contact material: Copper alloy
 Contact plating: Gold over nickel in
 wiping area, tin plated on termination
 end
 Insulation material: Thermplastic, glass
 reinforced (UL 94 V-O)
 PCB accommodation: .0-62" nominal
 thickness
 Wire accommodation: AWG 26 stranded,
 AWG 28 stranded and solid,
 AWG 30 solid

Electrical

Current rating: 1 amp
 Dielectric withstanding voltage:
 1000 VAC for 60 seconds
 Insulation Resistance: 5000 megohms (min)
 Operating Temperature Range:
 -55° C to +130° C
 (-67° F to +266° F) UL Recognized to 130° C

description

Amphenol IDC card-edge 807 series connectors are designed with fully bifurcated contacts to provide two points of contact with each pad on the PC board for added reliability. Each contact has an independent cantilever spring to provide excellent contact pressure to the board without requiring high insertion forces, and the closed-entry insulator protects contacts from damage.

This card-edge connector is unique in that it can be easily removed from flat cable and reterminated by using a small cover removal tool which is time and cost saving. These connectors are available in three mounting configurations: no ears, a slot, and a through-hole. Pre-assembled construction of all configurations permits positive cable alignment and speeds assembly time. Polarizing keys fit between contacts. They can be molded-in or purchased separately.

ordering information

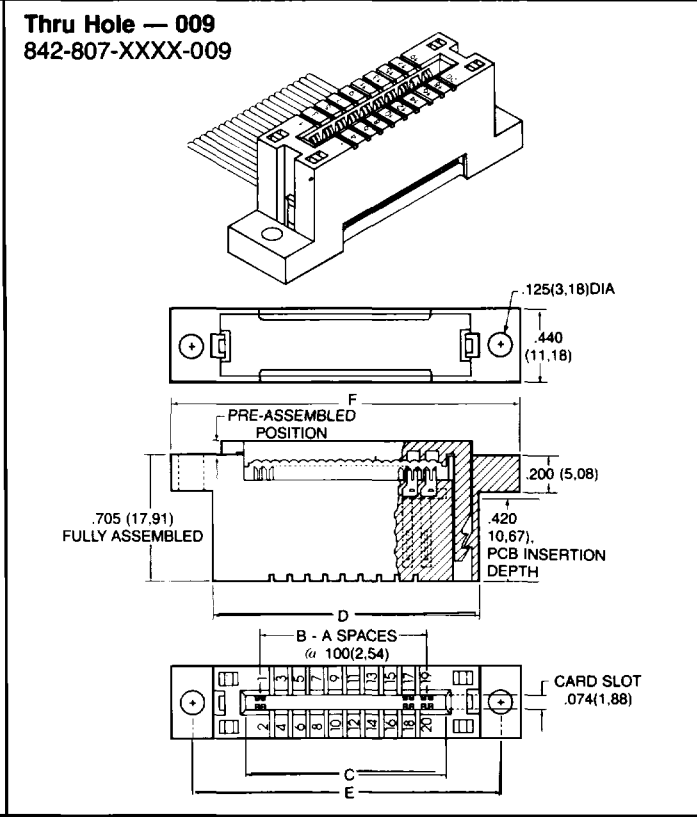
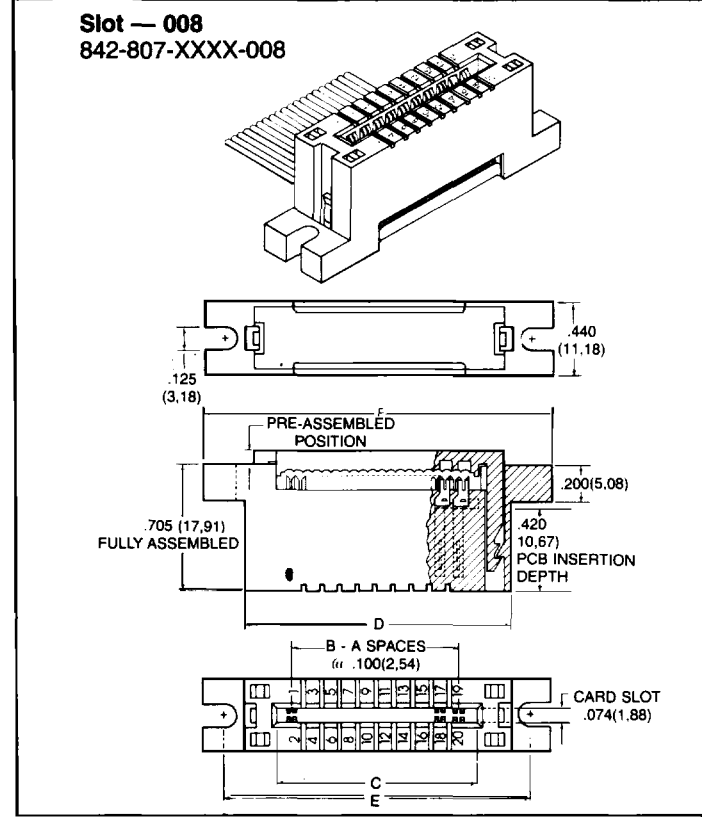
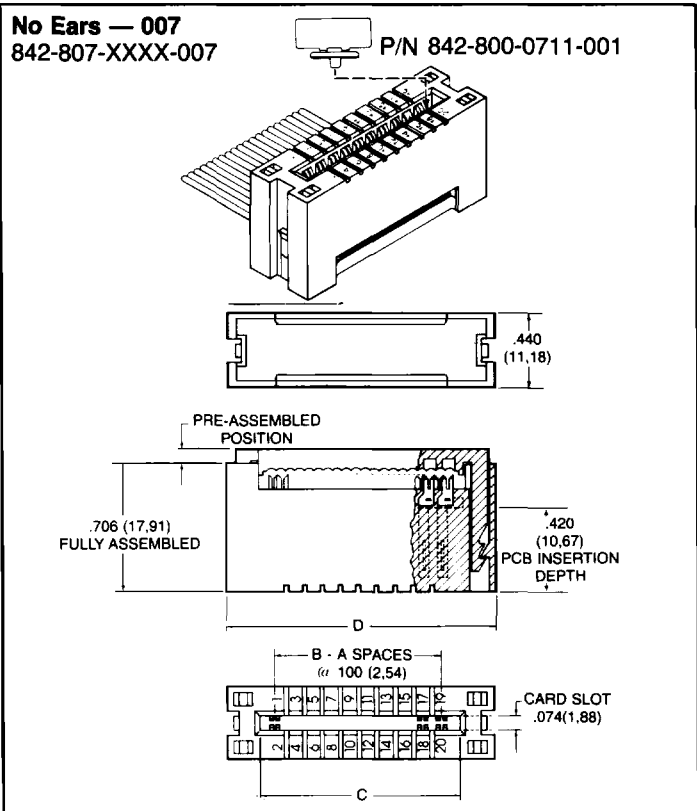
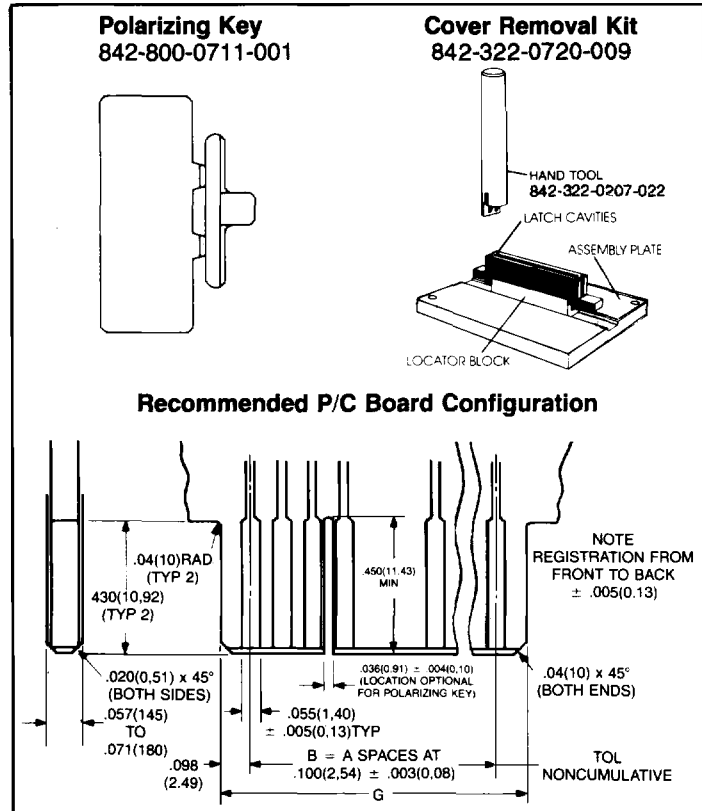
No. of Contacts	Part Number	A	B	C	D	E	F	G
10	842-807-1005-007	4	.400(10,16)	.605(15,37)	.960(24,38)	—	—	.595(15,11)
	842-807-1005-008	4	.400(10,16)	.605(15,37)	.960(24,38)	1.300(33,02)	1.500(38,10)	.595(15,11)
	842-807-1005-009	4	.400(10,16)	.605(15,37)	.960(24,38)	1.400(35,56)	1.900(48,26)	.595(15,11)
20	842-807-2005-007	9	.900(22,86)	1.105(28,07)	1.460(37,08)	—	—	1.095(27,81)
	842-807-2005-008	9	.900(22,86)	1.105(28,07)	1.460(37,08)	1.800(45,72)	2.000(50,08)	1.095(27,81)
	842-807-2005-009	9	.900(22,86)	1.105(28,07)	1.460(37,08)	1.900(48,26)	2.400(60,96)	1.095(27,81)
26	842-807-2605-007	12	1.200(30,48)	1.405(35,69)	1.760(44,70)	—	—	1.395(35,43)
	842-807-2605-008	12	1.200(30,48)	1.405(35,69)	1.760(44,70)	2.100(53,34)	2.300(58,42)	1.395(35,43)
	842-807-2605-009	12	1.200(30,48)	1.405(35,69)	1.760(44,70)	2.200(55,88)	2.700(68,58)	1.395(35,43)
34	842-807-3405-007	16	1.600(40,64)	1.805(45,85)	2.160(54,86)	—	—	1.795(45,59)
	842-807-3405-008	16	1.600(40,64)	1.805(45,85)	2.160(54,86)	2.500(63,50)	2.700(68,58)	1.795(45,59)
	842-807-3405-009	16	1.600(40,64)	1.805(45,85)	2.160(54,86)	2.600(66,04)	3.100(78,74)	1.795(45,59)
40	842-807-4005-007	19	1.900(48,26)	2.105(53,47)	2.460(62,48)	—	—	2.095(53,21)
	842-807-4005-008	19	1.900(48,26)	2.105(53,47)	2.460(62,48)	2.800(71,12)	3.000(76,20)	2.095(53,21)
	842-807-4005-009	19	1.900(48,26)	2.105(53,47)	2.460(62,48)	2.900(73,66)	3.400(86,36)	2.095(53,21)
50	842-807-5005-007	24	2.400(60,96)	2.605(66,17)	2.960(75,18)	—	—	2.595(65,91)
	842-807-5005-008	24	2.400(60,96)	2.605(66,17)	2.960(75,18)	3.300(83,82)	3.500(88,90)	2.595(65,91)
	842-807-5005-009	24	2.400(60,96)	2.605(66,17)	2.960(75,18)	3.400(86,36)	3.900(99,06)	2.595(65,91)
60	842-807-6005-007	29	2.900(73,66)	3.105(78,87)	3.460(87,88)	—	—	3.095(78,61)
	842-807-6005-008	29	2.900(73,66)	3.105(78,87)	3.460(87,88)	3.800(96,52)	4.000(101,60)	3.095(78,61)
	842-807-6005-009	29	2.900(73,66)	3.105(78,87)	3.460(87,88)	3.900(99,06)	4.400(111,76)	3.095(78,61)

*Consult factory for molded-in key version.

One Piece Connector Systems

CARD-EDGE CONNECTORS

dimensions



termination tooling: See page 58

One Piece
Connector Systems