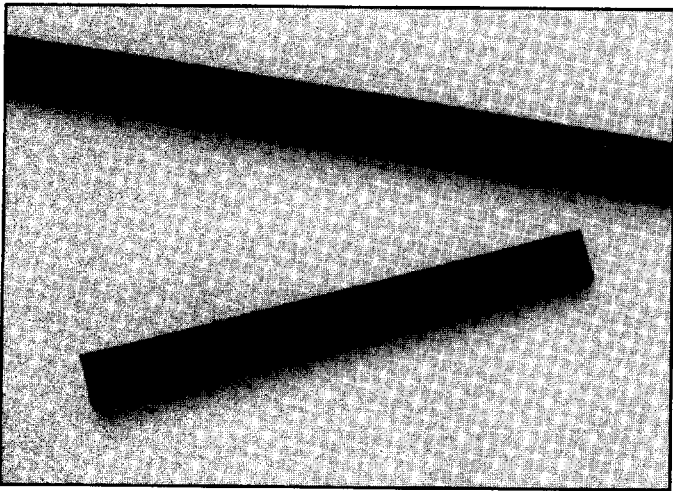


Backplane Shrouds

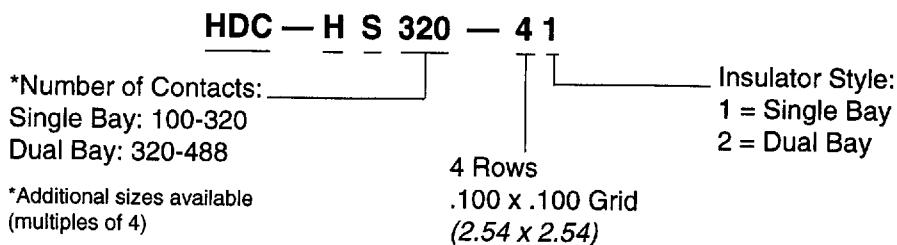
Single or Dual Bay
HDC - HS4 Series



DIN/HDC
BACKPLANE

- Shroud for double sided backplane interconnects
- Presses over wire wrap tails of 4 row backplane headers and sockets:
HDC-HXXX-41P2-XX
HDC-HXXX-42P2-XX
HDC-RXXX-41P2-XX

How to Order HDC - HS Series Shrouds



Materials:

Body: Black thermoplastic, glass-filled
Oxygen Index Rating: 28% minimum

Performance Characteristics:

Insulation Resistance: 1000 megohms minimum
Dielectric Withstanding Voltage: 900 volts AC VRMS
Flammability: UL 94V-0
Temperature Range: -55°C to + 105°C

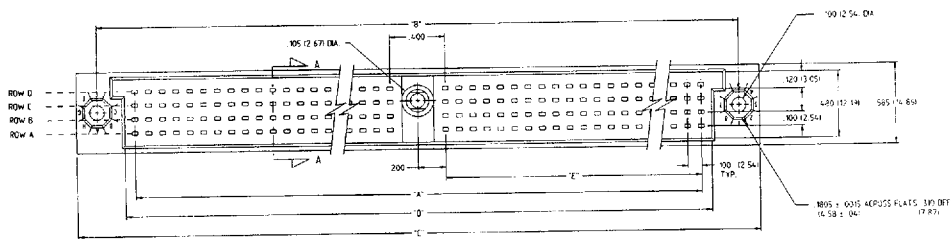
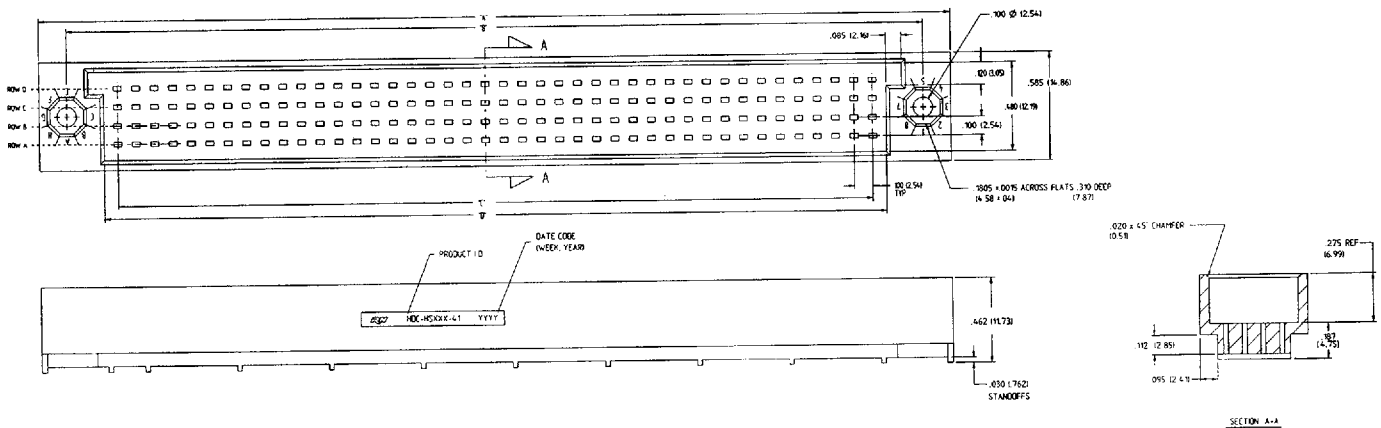
Single Bay

DESCRIPTION	TOTAL POSITIONS	"A" DIM	"B" DIM	"C" DIM	"D" DIM
HDC-HS100-41PX-XX	100	3.250 (82.55)	2.950 (74.93)	2.400 (60.96)	2.524 (64.11)
HDC-HS120-41PX-XX	120	3.750 (95.25)	3.450 (87.63)	2.900 (73.66)	3.024 (76.81)
HDC-HS128-41PX-XX	128	3.950 (100.33)	3.650 (92.71)	3.100 (78.74)	3.224 (81.89)
HDC-HS140-41PX-XX	140	4.250 (107.95)	3.950 (100.33)	3.400 (86.36)	3.524 (89.51)
HDC-HS160-41PX-XX	160	4.750 (120.65)	4.450 (113.03)	3.900 (99.06)	4.024 (102.21)
HDC-HS168-41PX-XX	168	4.950 (125.73)	4.650 (118.11)	4.100 (104.14)	4.224 (107.29)
HDC-HS180-41PX-XX	180	5.250 (133.35)	4.950 (125.73)	4.400 (111.76)	4.524 (114.91)
HDC-HS200-41PX-XX	200	5.750 (146.05)	5.450 (138.43)	4.900 (124.46)	5.024 (127.61)
HDC-HS220-41PX-XX	220	6.250 (158.75)	5.950 (151.13)	5.400 (137.16)	5.524 (140.31)
HDC-HS240-41PX-XX	240	6.750 (171.45)	6.450 (163.83)	5.900 (149.86)	6.024 (153.01)
HDC-HS260-41PX-XX	260	7.250 (184.15)	6.950 (176.53)	6.400 (162.56)	6.524 (165.71)
HDC-HS280-41PX-XX	280	7.750 (196.85)	7.450 (189.23)	6.900 (175.26)	7.024 (178.41)
HDC-HS300-41PX-XX	300	8.250 (209.55)	7.950 (201.93)	7.400 (187.96)	7.524 (191.11)
HDC-HS320-41PX-XX	320	8.750 (222.25)	8.450 (214.63)	7.900 (200.66)	8.024 (203.81)

Dual Bay

DESCRIPTION	TOTAL POSITIONS	"A" DIM	"B" DIM	"C" DIM	"D" DIM	"E" DIM
HDC-HS320-42PX-XX	320	8.200 (208.28)	8.750 (222.25)	9.050 (229.87)	8.350 (212.09)	3.900 (99.06)
HDC-HS344-42PX-XX	344	8.800 (215.90)	9.350 (229.87)	9.650 (237.49)	8.950 (219.71)	4.200 (106.68)
HDC-HS352-42PX-XX	352	9.000 (228.60)	9.550 (242.57)	9.850 (250.19)	9.150 (232.41)	4.300 (109.22)
HDC-HS360-42PX-XX	360	9.200 (233.68)	9.750 (247.65)	10.050 (255.27)	9.350 (237.49)	4.400 (111.76)
HDC-HS368-42PX-XX	368	9.400 (231.14)	9.950 (245.11)	10.250 (252.73)	9.550 (234.95)	4.500 (114.30)
HDC-HS392-42PX-XX	392	10.000 (246.38)	10.550 (260.35)	10.850 (267.97)	10.150 (250.19)	4.800 (121.92)
HDC-HS416-42PX-XX	416	10.600 (261.62)	11.150 (275.59)	11.450 (283.21)	10.750 (265.43)	5.100 (129.54)
HDC-HS440-42PX-XX	440	11.200 (276.86)	11.750 (290.83)	12.050 (298.45)	11.350 (280.67)	5.400 (137.16)
HDC-HS464-42PX-XX	464	11.800 (292.10)	12.350 (306.07)	12.650 (313.69)	11.950 (295.91)	5.700 (144.78)
HDC-HS488-42PX-XX	488	12.400 (307.34)	12.950 (321.31)	13.250 (328.93)	12.550 (311.15)	6.000 (152.40)

DIN/HDC
BACKPLANE



MECHANICAL & ELECTRICAL SPECIFICATIONS

Insertion Force (Avg. per contact maximum): HDC-RXXX = 2.6 oz; HDC-SXXX = 2.0 oz
Withdrawal Force (Avg. per contact minimum): HDC-RXXX = .75 oz; HDC-SXXX = .50 oz
Mating Force: 0.1 lb x number of contacts
Contact Resistance: 20 milliohms maximum
Insulation Resistance: 1000 megohms minimum
Test Voltage: 900 Volts AC RMS
Current Rating: 2 amperes/contact

ENVIRONMENTAL SPECIFICATIONS

Temperature Rating (Continuous): -55°C to +125°C
Shock: Per MIL-STD-1344, Method 2004
Vibrations: Per MIL-STD-1344 Method 2005
Humidity: Per MIL-STD-1344 Method 1002, Type II
Temperature: Withstands SMT soldering temperatures for 60+ seconds
 (HDC-RXXX and HDC-SXXX)

MATERIAL SPECIFICATIONS

	Receptacle (HDC-RXXX, HDC-SXXX)	Header (HDC-HXXX, HDC-PXXX)
Body:	Black, liquid crystal polymer	Black, glass filled thermoplastic
Oxygen Index Rating:	42%	28%
Contact:	Phosphor Bronze (HDC-RXXX) Beryllium Copper (HDC-SXXX)	Copper Alloy
Flammability:	UL 94V-0	UL 94V-0

Plating Description:

Suffix TG30 = 30 μ inch (.762 μ m) minimum Gold on mating area.
 100 μ inch (2.54 μ m) minimum Tin/Lead on compliant and terminal areas.

TR = 10 μ inch ROBEX® [7 μ inch (.178 μ m)
 Palladium Nickel with 3 μ inch (.076 μ m) minimum
 Gold flash] on mating area.
 100 μ inch (2.54 μ m) minimum Tin/Lead on
 compliant and terminal areas.

*** GG30 =** 30 μ inch (.762 μ m) minimum Gold on mating area.
 10 μ inch (.254 μ m) minimum Gold on terminal area.
 100 μ inch (2.54 μ m) minimum Tin/Lead on compliant area.

***RR =** 10 μ inch ROBEX® [7 μ inch (.178 μ m) minimum
 Palladium Nickel with 3 μ inch (.076 μ m)
 Gold flash] on mating area and terminal area.
 100 μ inch (2.54 μ m) minimum Tin/Lead on compliant area.

All options include an underplate of 50 μ inch (1.27 μ m) minimum Nickel.

*Available with P2 & P3 Terminations only.