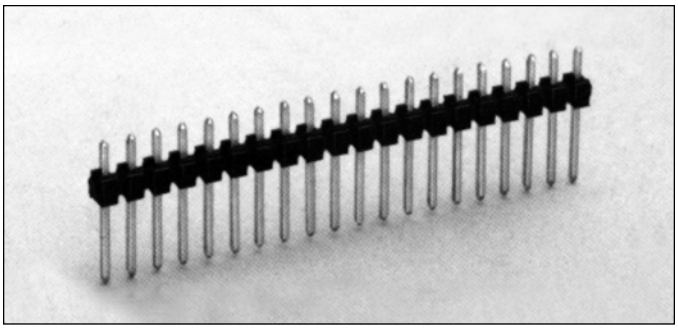
.100” (2.54mm)
Single Row, Through Hole, Vertical Header



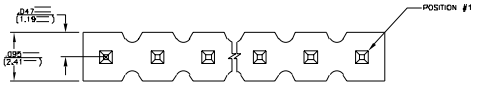
9100 SERIES (“POST/BOXE”)

PART NUMBER LEGEND

91XX-1-1XX-XX

- **PIN NUMBER** (SEE TABLE II)
- **NUMBER OF POSITIONS** (SEE TABLE I)
- **PIN PLATING** (SEE NOTE 3)
- **INSULATOR MATERIAL** (SEE NOTE 1)

MATING CONNECTORS: 9000 SERIES



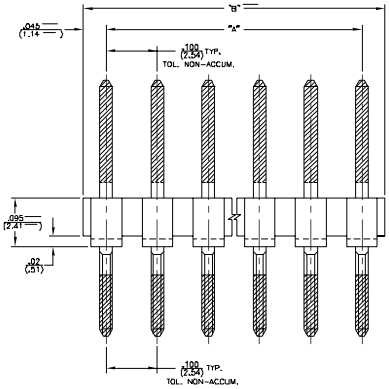


FIGURE I
(FOR SEL. PLATED PINS ONLY)
P/N'S: 91XB, 91XE-1-1XX-XX

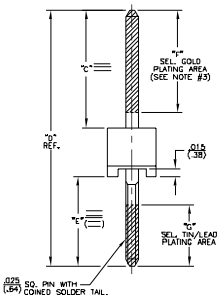
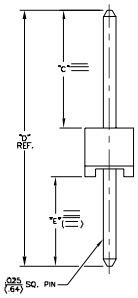
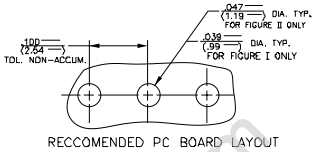


FIGURE II
(FOR OVERALL PLATED PINS ONLY)
P/N'S: 91XD & 91XZ-1-1XX-XX



NOTES:

1) INSULATOR MATERIAL:
   91DX-1-1XX-XX - POLYESTER (PET), 30% GLASS REINFORCED, UL 94V-0, COLOR: BLACK
   91IX-1-1XX-XX - POLYESTER (PCT), 30% GLASS REINFORCED, UL 94V-0, COLOR: BLACK
2) PIN MATERIAL: PHOSPHOR BRONZE
3) PIN FINISH: 91XD-1-1XX-XX - .000150/.0003 BRITE TIN OVER .000050/.000100 NICKEL PLATE.
   91XZ-1-1XX-XX - .000015 MIN. GOLD OVER .000050/.000150 NICKEL PLATE.
   91XE-1-1XX-XX - .000030 SELECTIVE GOLD PLATE IN CONTACT AREA OVER .000050/.000150 NICKEL PLATE ALL OVER; .0001/.0002 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS PER DRWG.
   91XF-1-1XX-XX - .000015 SELECTIVE GOLD PLATE IN CONTACT AREA OVER .000050/.000150 NICKEL PLATE ALL OVER; .0001/.0002 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS PER DRWG.
4) ALL DIMS ARE IN IN./(MM).
5) PIN RETENTION: 2 LB. MINIMUM



RECCOMENDED PC BOARD LAYOUT

TABLE I

PART NUMBER	NO. OF POSITIONS	DIM. "A"	DIM. "B"
91XX-1-102-XX	2	.100/(2.54)	.190/(4.83)
-103-	3	.200/(5.08)	.290/(7.37)
-104-	4	.300/(7.62)	.390/(9.91)
-105-	5	.400/(10.16)	.490/(12.45)
-106-	6	.500/(12.70)	.590/(14.99)
-107-	7	.600/(15.24)	.690/(17.53)
-108-	8	.700/(17.78)	.790/(20.07)
-109-	9	.800/(20.32)	.890/(22.61)
-110-	10	.900/(22.86)	.990/(25.15)
-111-	11	1.000/(25.40)	1.090/(27.69)
-112-	12	1.100/(27.94)	1.190/(30.23)
-113-	13	1.200/(30.48)	1.290/(32.77)
-114-	14	1.300/(33.02)	1.390/(35.31)
-115-	15	1.400/(35.56)	1.490/(37.85)
-116-	16	1.500/(38.10)	1.590/(40.39)
-117-	17	1.600/(40.64)	1.690/(42.93)
-118-	18	1.700/(43.18)	1.790/(45.47)
-119-	19	1.800/(45.72)	1.890/(48.01)
-120-	20	1.900/(48.26)	1.990/(50.55)
-121-	21	2.000/(50.80)	2.090/(53.09)
-122-	22	2.100/(53.34)	2.190/(55.63)
-123-	23	2.200/(55.88)	2.290/(58.17)
-124-	24	2.300/(58.42)	2.390/(60.71)
-125-	25	2.400/(60.96)	2.490/(63.25)
-126-	26	2.500/(63.50)	2.590/(65.79)
-127-	27	2.600/(66.04)	2.690/(68.33)
-128-	28	2.700/(68.58)	2.790/(70.87)
-129-	29	2.800/(71.12)	2.890/(73.41)
-130-	30	2.900/(73.66)	2.990/(75.95)
-131-	31	3.000/(76.20)	3.090/(78.49)
-132-	32	3.100/(78.74)	3.190/(81.03)
-133-	33	3.200/(81.28)	3.290/(83.57)
-134-	34	3.300/(83.82)	3.390/(86.11)
-135-	35	3.400/(86.36)	3.490/(88.65)
-136-	36	3.500/(88.90)	3.590/(91.19)
-137-	37	3.600/(91.44)	3.690/(93.73)
-138-	38	3.700/(93.98)	3.790/(96.27)
-139-	39	3.800/(96.52)	3.890/(98.81)
91XX-1-140-XX	40	3.900/(99.06)	3.990/(101.35)

TABLE II

PART NUMBER	DIM "C"	DIM "D"	DIM "E"	DIM "F"	DIM "G"
91XX-1-1XX-01	.230 (5.84)	.500 (12.70)	.175 (4.45)	.200 (5.08)	.190 (4.83)
-02	.230 (5.84)	.435 (11.05)	.110 (2.79)	.165 (4.19)	.120 (3.05)
-03	.320 (8.13)	.590 (14.99)	.175 (4.45)	.200 (5.08)	.190 (4.83)
-04	.320 (8.13)	.525 (13.34)	.110 (2.79)	.200 (5.08)	.120 (3.05)
-05	.455 (11.56)	.660 (16.76)	.110 (2.79)	.200 (5.08)	.120 (3.05)
-06	.505 (12.83)	1.055 (26.80)	.455 (11.56)	—	—
-07	.345 (8.76)	.590 (14.99)	.150 (3.81)	—	—
-08	.427 (10.85)	.625 (15.88)	.103 (2.62)	—	—
-09	.700 (17.78)	.940 (23.88)	.143 (3.63)	.200 (5.08)	.150 (3.81)
-10	.755 (19.18)	1.000 (25.40)	.150 (3.81)	.200 (5.08)	.120 (3.05)
-11	.722 (18.34)	.910 (23.11)	.093 (2.36)	—	—
-12	.275 (6.99)	.485 (12.32)	.115 (2.92)	.200 (5.08)	.120 (3.05)
-13	.230 (5.84)	.826 (20.96)	.495 (12.57)	—	—
-14	.395 (10.03)	.602 (15.24)	.110 (2.79)	—	—
-15	.655 (16.64)	1.140 (28.96)	.390 (9.91)	—	—
-16	.880 (22.35)	1.100 (27.94)	.125 (3.18)	—	—
-17	.603 (15.31)	1.055 (26.80)	.357 (9.06)	—	—
-18	.595 (15.11)	.842 (21.39)	.152 (3.86)	—	—
-19	.815 (20.70)	1.055 (26.80)	.145 (3.68)	—	—
-20	.230 (5.84)	.375 (9.52)	.050 (1.27)	—	—
-21	.230 (5.84)	.420 (10.67)	.095 (2.41)	—	—
-22	.170 (4.32)	.375 (9.52)	.110 (2.79)	—	—
-23	.441 (11.20)	1.055 (26.88)	.519 (13.18)	—	—
-24	.300 (7.62)	.700 (17.78)	.300 (7.62)	—	—
-25	.230 (5.84)	.515 (13.08)	.183 (4.65)	—	—
-26	.230 (5.84)	.440 (11.18)	.115 (2.92)	.165 (4.19)	.120 (3.05)
-27	.525 (13.34)	.735 (18.67)	.115 (2.92)	—	—
-28	.264 (6.71)	.460 (11.68)	.101 (2.57)	—	—
-29	.250 (6.35) REF.	.390 (9.91)	.045 (1.14)	.160 (4.06)	.090 (2.29)
-30	1.030 (26.16) REF.	1.250 (31.75)	.125 (3.18)	—	—
-31	.093 (2.36)	.290 (7.37)	.102 (2.59) REF.	—	—
-32	.064 (1.62) REF.	.435 (11.05)	.276 (7.01)	—	—
-53	.185 (4.70)	.390 (9.91)	.110 (2.79)	—	—
-54	.230 (5.84)	.530 (13.46)	.205 (5.21)	.200 (5.08)	.120 (3.05)
-35	.230 (5.84)	.440 (11.18)	.115 (2.92)	.165 (4.19)	.120 (3.05)
91XX-1-1XX-36	.605 (15.37)	.800 (20.32)	.100 (2.54)	—	—

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