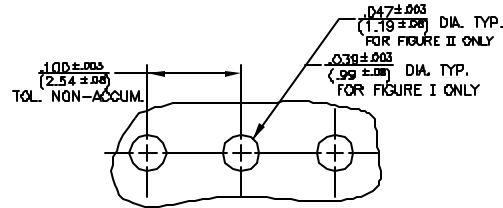
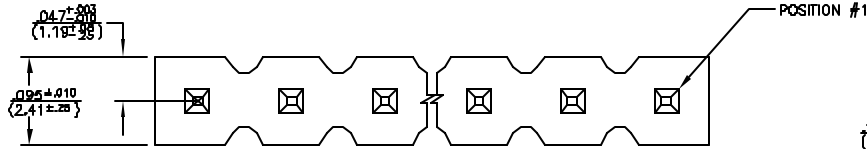


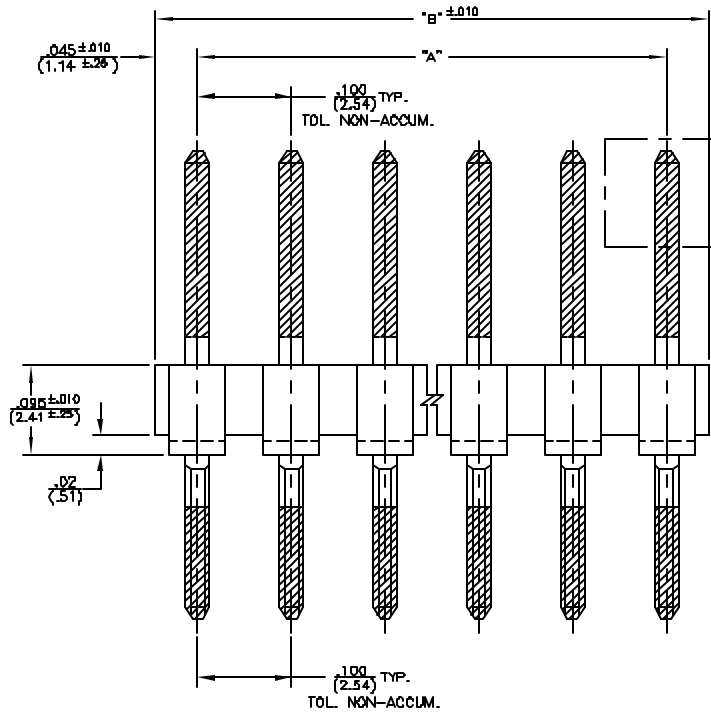
PART NUMBER
91XX-1-1XX-XXD

REFERENCE

LTR.	EDN	DESCRIPTION	DATE	APPL.
AY	9882	ADD -101 TO TABLE I	8/28/00	TS
AZ	1058	REVISE NOTE 1: 46 NYLON WAS POLYESTER	1/24/02	TS
BA	1539	ADD P/N LEGEND	5/14/04	TS
BB	1658	ADD B (REHS COMPLIANT) TO P/N LEGEND	12/10/04	TS
BC	1716	ADD REHS COMPLIANT PLATING (NOTE 3)	4/8/05	TS
BD	1808	ADD DETAIL A	5/26/06	TS



RECOMMENDED PC BOARD LAYOUT



SEE DETAIL A

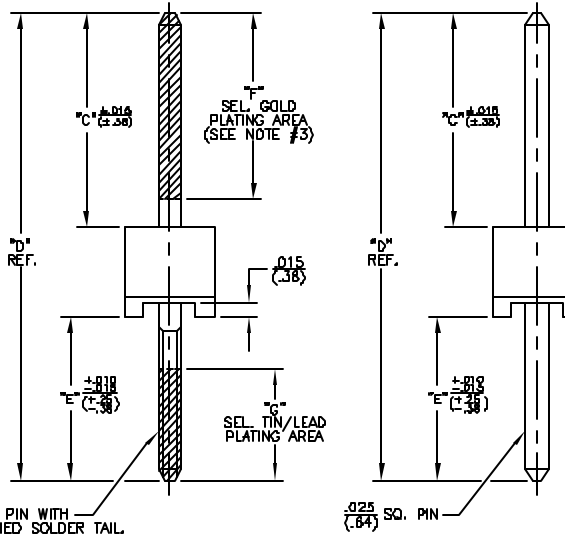


FIGURE I

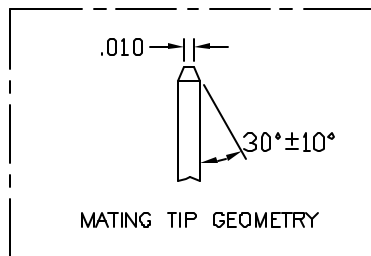
(FOR SEL. PLATED PINS ONLY)
P/N'S: 91XB, 91XE-1-1XX-XX

FIGURE II

(FOR OVERALL PLATED PINS ONLY)
P/N'S: 91XQ & 91X2-1-1XX-XX

TABLE I			
PART NUMBER	NO. OF POSITIONS	DIM. "A"	DIM. "B"
91XX-1-101-XX	1	N/A	.080/(2.28)
-102-	2	.190/(4.83)	.190/(4.83)
-103-	3	.290/(7.37)	.290/(7.37)
-104-	4	.390/(9.91)	.390/(9.91)
-105-	5	.490/(12.45)	.490/(12.45)
-106-	6	.590/(14.99)	.590/(14.99)
-107-	7	.690/(17.53)	.690/(17.53)
-108-	8	.790/(20.07)	.790/(20.07)
-109-	9	.890/(22.61)	.890/(22.61)
-110-	10	.990/(25.15)	.990/(25.15)
-111-	11	1.090/(27.69)	1.090/(27.69)
-112-	12	1.190/(30.23)	1.190/(30.23)
-113-	13	1.290/(32.77)	1.290/(32.77)
-114-	14	1.390/(35.31)	1.390/(35.31)
-115-	15	1.490/(37.85)	1.490/(37.85)
-116-	16	1.590/(40.39)	1.590/(40.39)
-117-	17	1.690/(42.93)	1.690/(42.93)
-118-	18	1.790/(45.47)	1.790/(45.47)
-119-	19	1.890/(48.01)	1.890/(48.01)
-120-	20	1.990/(50.55)	1.990/(50.55)
-121-	21	2.090/(53.09)	2.090/(53.09)
-122-	22	2.190/(55.63)	2.190/(55.63)
-123-	23	2.290/(58.17)	2.290/(58.17)
-124-	24	2.390/(60.71)	2.390/(60.71)
-125-	25	2.490/(63.25)	2.490/(63.25)
-126-	26	2.590/(65.79)	2.590/(65.79)
-127-	27	2.690/(68.33)	2.690/(68.33)
-128-	28	2.790/(70.87)	2.790/(70.87)
-129-	29	2.890/(73.41)	2.890/(73.41)
-130-	30	2.990/(75.95)	2.990/(75.95)
-131-	31	3.090/(78.49)	3.090/(78.49)
-132-	32	3.190/(81.03)	3.190/(81.03)
-133-	33	3.290/(83.57)	3.290/(83.57)
-134-	34	3.390/(86.11)	3.390/(86.11)
-135-	35	3.490/(88.65)	3.490/(88.65)
-136-	36	3.590/(91.19)	3.590/(91.19)
-137-	37	3.690/(93.73)	3.690/(93.73)
-138-	38	3.790/(96.27)	3.790/(96.27)
-139-	39	3.890/(98.81)	3.890/(98.81)
91XX-1-140-XX	40	3.990/(101.35)	3.990/(101.35)

DETAIL A



MATING TIP GEOMETRY

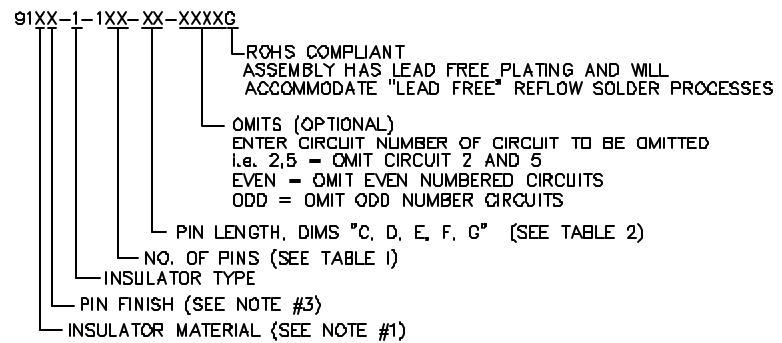
DATE	BY	REV.	DESCRIPTION
10/12/04	DS	1	DESIGN
10/13/04	MS	1	MANUFACTURING
9/10/03	TS	1	TESTING
10/13/04	MS	1	MANUFACTURING

GENERAL		MATERIALS	
SEE NOTES 1 & 2		METHODE ELECTRONICS, INC. INTERCONNECTED PRODUCTS DIV.	
SEE NOTE 3		.100 CENTER SINGLE ROW HEADER	
REV. C	DATE 10/1	PART NUMBER 91XX-1-1XX-XXD	DEL. 80
		REV. 1	DEL. 2

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)	.650 (16.76)	.110 (2.79)	.200 (5.08)	.120 (3.05)
-06	.605 (15.37)	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)	.145 (3.68)	.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)	.825 (20.96)	.495 (12.57)	—	—
-14	.395 (10.03)	.600 (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	.803 (15.31)	1.055 (26.80)	.357 (9.08)	—	—
-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 (26.80)	.519 (13.18)	—	—
-24	.300 (7.62)	.700 (17.78)	.300 (7.62)	—	—
-25	.230 ^{+0.008} (5.84 ^{+0.20})	.515 (13.08)	.183 ^{+0.010} (4.65 ^{+0.25})	—	—
-26	.230 ^{+0.011} (5.84 ^{+0.28})	.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 REF. (6.35)	.390 (9.91)	.045 ^{+0.010} (1.14 ^{+0.25})	.160 (4.06)	.090 (2.29)
-30	1.030 REF. (26.16)	1.250 (31.75)	.125 ^{+0.010} (3.18 ^{+0.25})	—	—
-31	.093 (2.36)	.290 (7.37)	.102 REF. (2.59)	—	—
91XX-1-1XX-32	.064 REF. (1.62)	.435 ^{+0.008} (11.05 ^{+0.20})	.276 ^{+0.010} (7.01 ^{+0.25})	—	—

PART NUMBER	DIM "C"	DIM "D"	DIM "E"	DIM "F"	DIM "G"
91XX-1-1XX-33	.185 (4.70)	.390 (9.91)	.110 (2.79)	—	—
91XX-1-1XX-34	.230 (5.84)	.530 (13.46)	.205 (5.21)	.200 (5.08)	.120 (3.05)
91XX-1-1XX-35	.230 ^{+0.008} (5.84 ^{+0.20})	.440 (11.18)	.115 (2.92)	.165 (4.19)	.120 (3.05)
91XX-1-1XX-36	.605 ^{+0.010} (15.37 ^{+0.25})	.800 (20.32)	.100 ^{+0.010} (2.54 ^{+0.25})	—	—

PART NO. LEGEND



NOTES:

- INSULATOR MATERIAL:
 - 91DX-1-1XX-XX - POLYESTER (PET), 30% GLASS REINFORCED, UL 94V-0, COLOR: BLACK
 - 911X-1-1XX-XX - 4B NYLON (PAM), 30% GLASS REINFORCED, UL 94V-0, COLOR: BLACK
 - 91DX-1-1XX-XXG - 46 NYLON (PAM), 30% GLASS REINFORCED, UL 94V-0, COLOR: BLACK
- PIN MATERIAL: PHOSPHOR BRONZE
- PIN FINISH:
 - 91XG-1-1XX-XX - .000100/.0003 BRITTE TIN OVER .000050/.000100 NICKEL PLATE.
 - 910Q-1-1XX-XXG - .000100/.000200 MATTE TIN OVER .000050/.000150 NICKEL PLATE.
 - 91X2-1-1XX-XX - .000015 MIN. GOLD OVER .000050/.000150 NICKEL PLATE.
 - 91X8-1-1XX-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.
 - 910B-1-1XX-XXG - .000030 SELECTIVE GOLD PLATE IN CONTACT AREA OVER .000050/.000150 NICKEL PLATE ALL OVER; .0001/.0002 SEL. MATTE TIN ON SOLDER TAIL AS PER DRWG.
 - 91XE-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.
 - 910E-1-1XX-XXG - .000015 SELECTIVE GOLD PLATE IN CONTACT AREA OVER .000050/.000150 NICKEL PLATE ALL OVER; .0001/.0002 SEL. MATTE TIN ON SOLDER TAIL AS PER DRWG.
 - 91XN-1-1XX-XX - .00003/.00005 GOLD FLASH OVER .000015 MIN. SEL. 80/20 PALLADIUM/NICKEL PLATE IN CONTACT AREA OVER .000050/.000150 NICKEL PLATE ALL OVER; .0001-.0002 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS INDICATED.
- ALL DIMS ARE IN IN./MM.
- PIN RETENTION: 2 LB. MIN/MJ

REV	DATE	BY	CHKD
1	10/12/04	MS	MS
2	10/13/04	MS	MS
3	8/10/05	TS	MS
4	10/13/04	MS	MS

METHODE ELECTRONICS, INC.
 INTERCONNECT PRODUCTS DIV.
 .100 CENTER SINGLE ROW HEADER
 C/81XX-1-1XX-XXG
 10/1 1 2 2