

CONVERSION CHART	
INCH	MM
.010	0.25
.020	0.51
.035	0.89
.100	2.54
.105	2.67
.125	3.18
.180	4.57
.210	5.33
.180	4.57
.295	7.50
.305	7.74
.300	7.62
.395	10.04
.405	10.28
.400	10.16
.595	15.12
.605	15.36
.600	15.24
.700	17.78
.800	20.32
.895	22.74
.905	22.98
.900	22.86
1.000	25.40
1.200	30.48
1.400	35.56
1.600	40.64
2.000	50.8
3.200	81.28

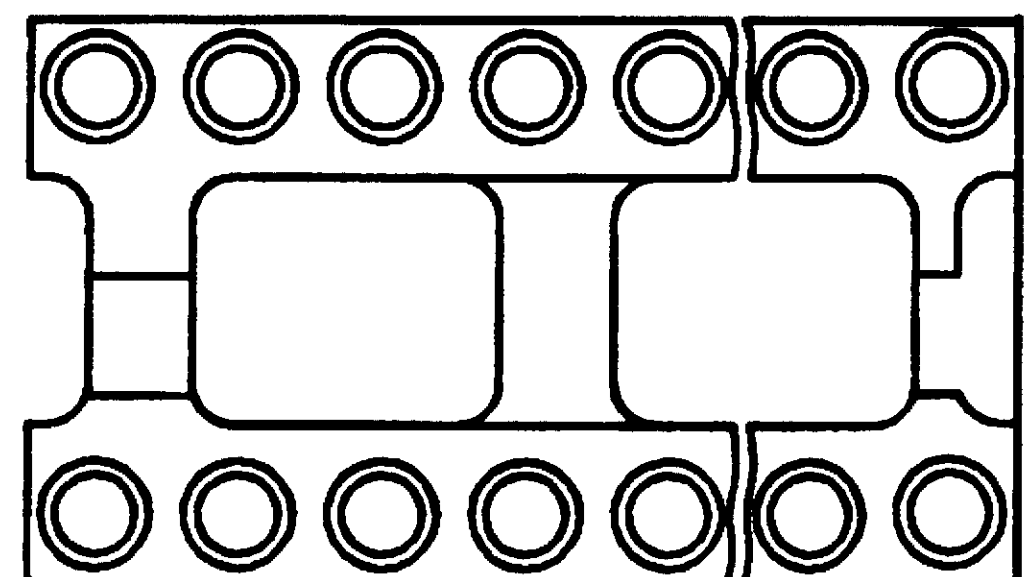


FIG. 1

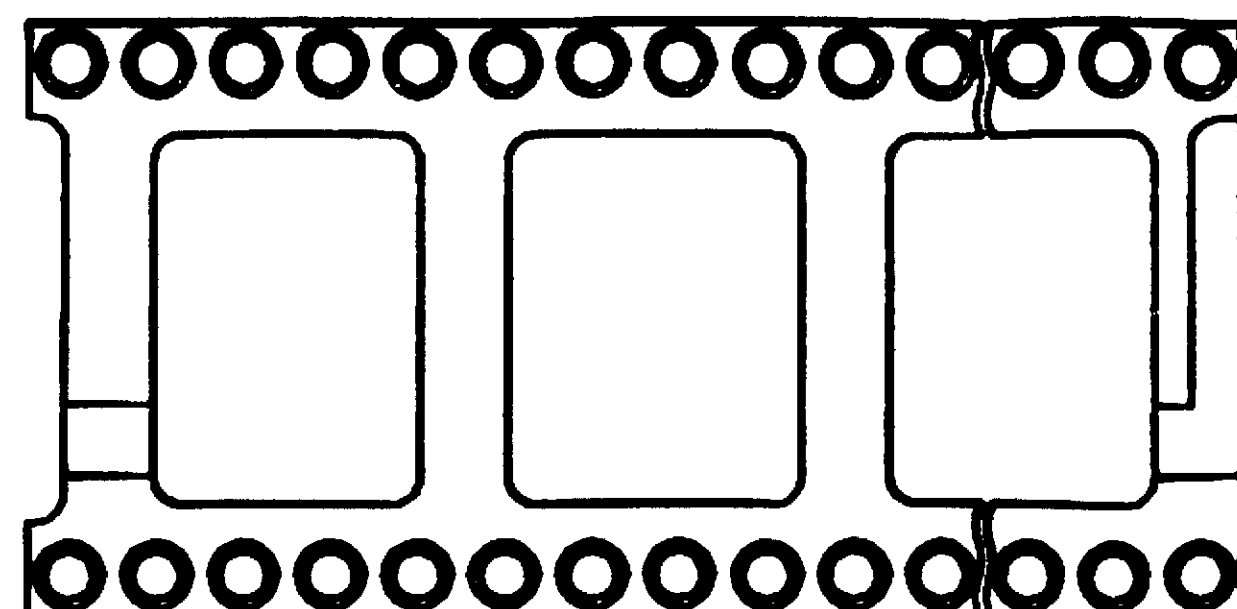
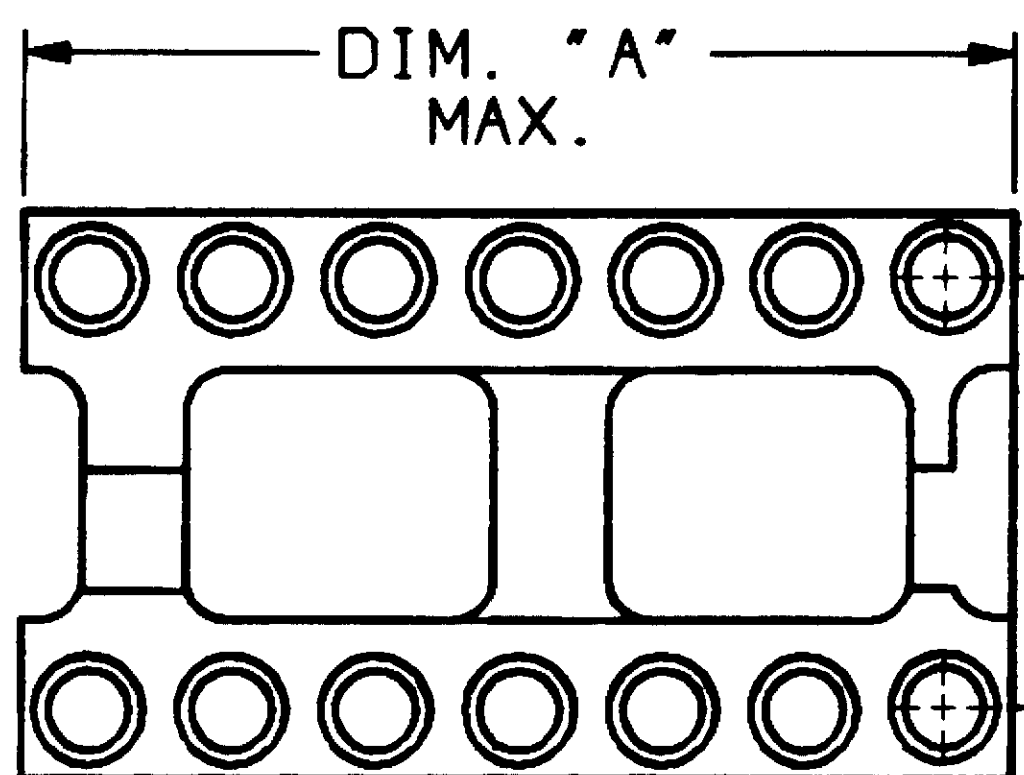
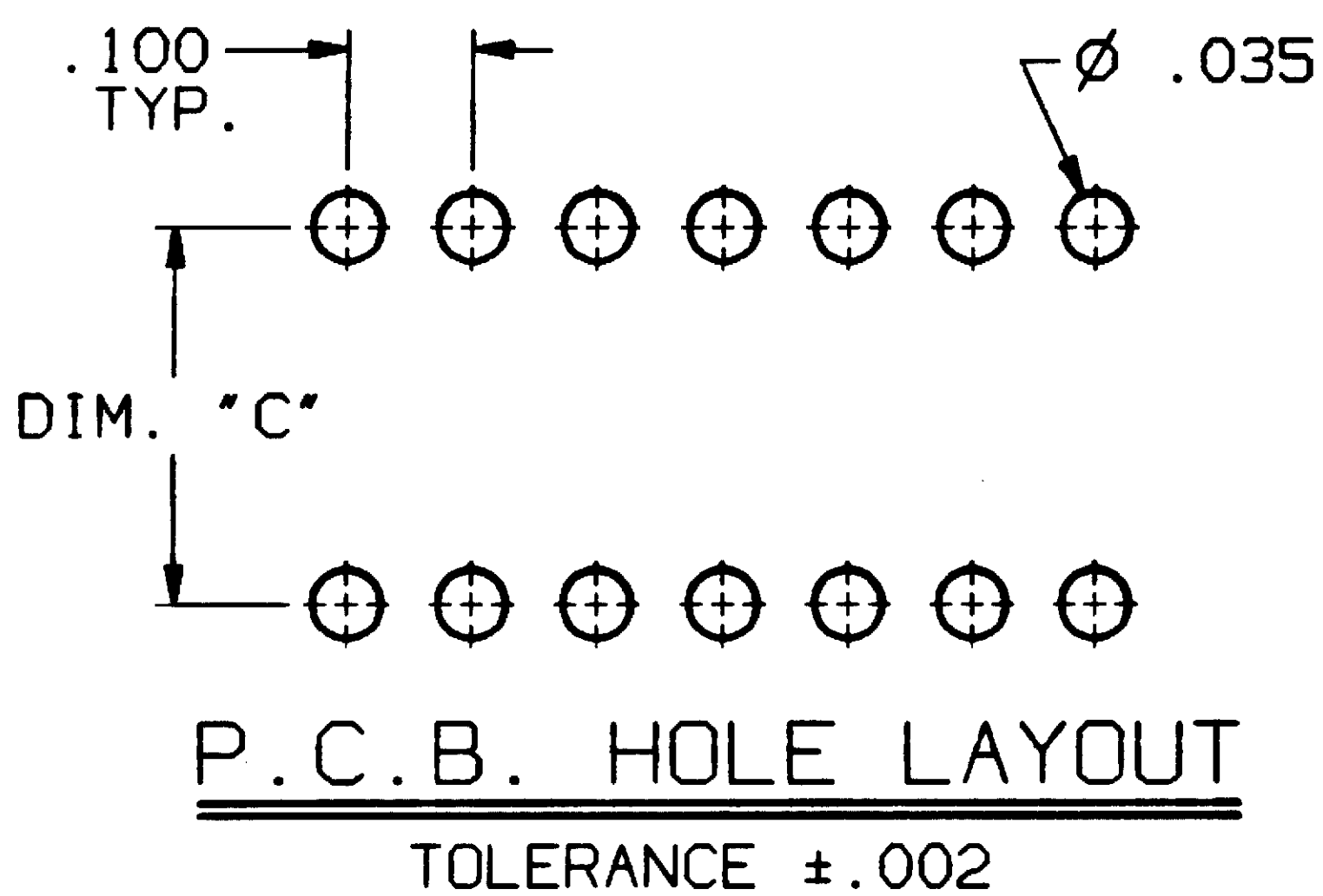
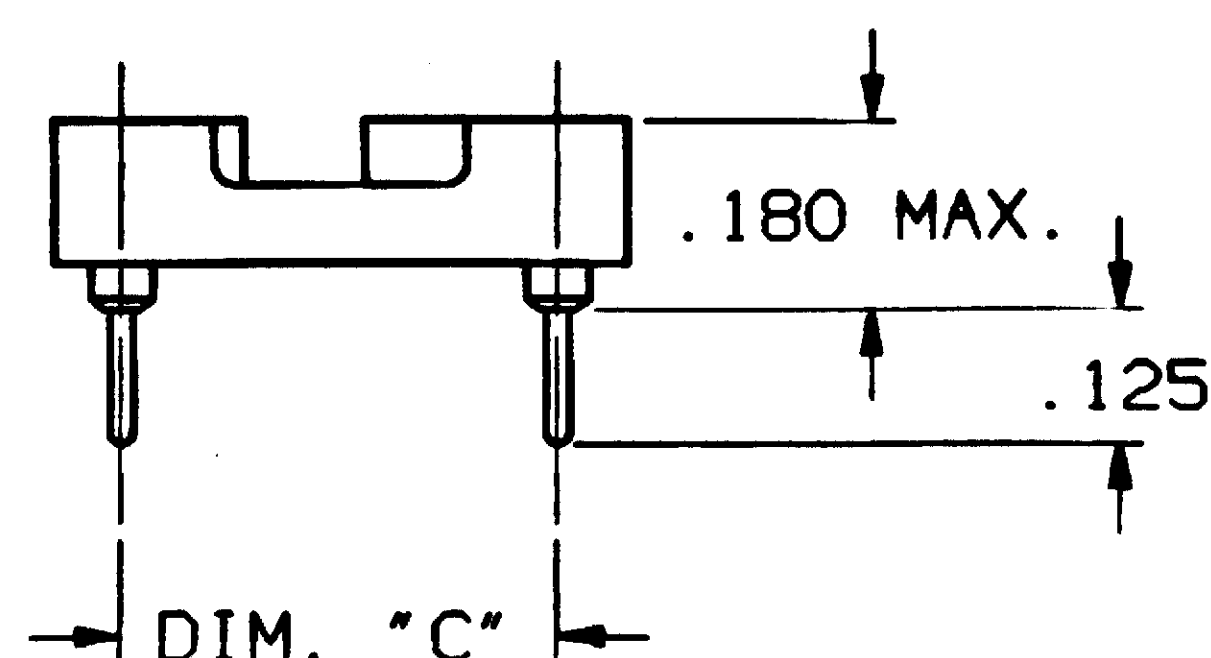
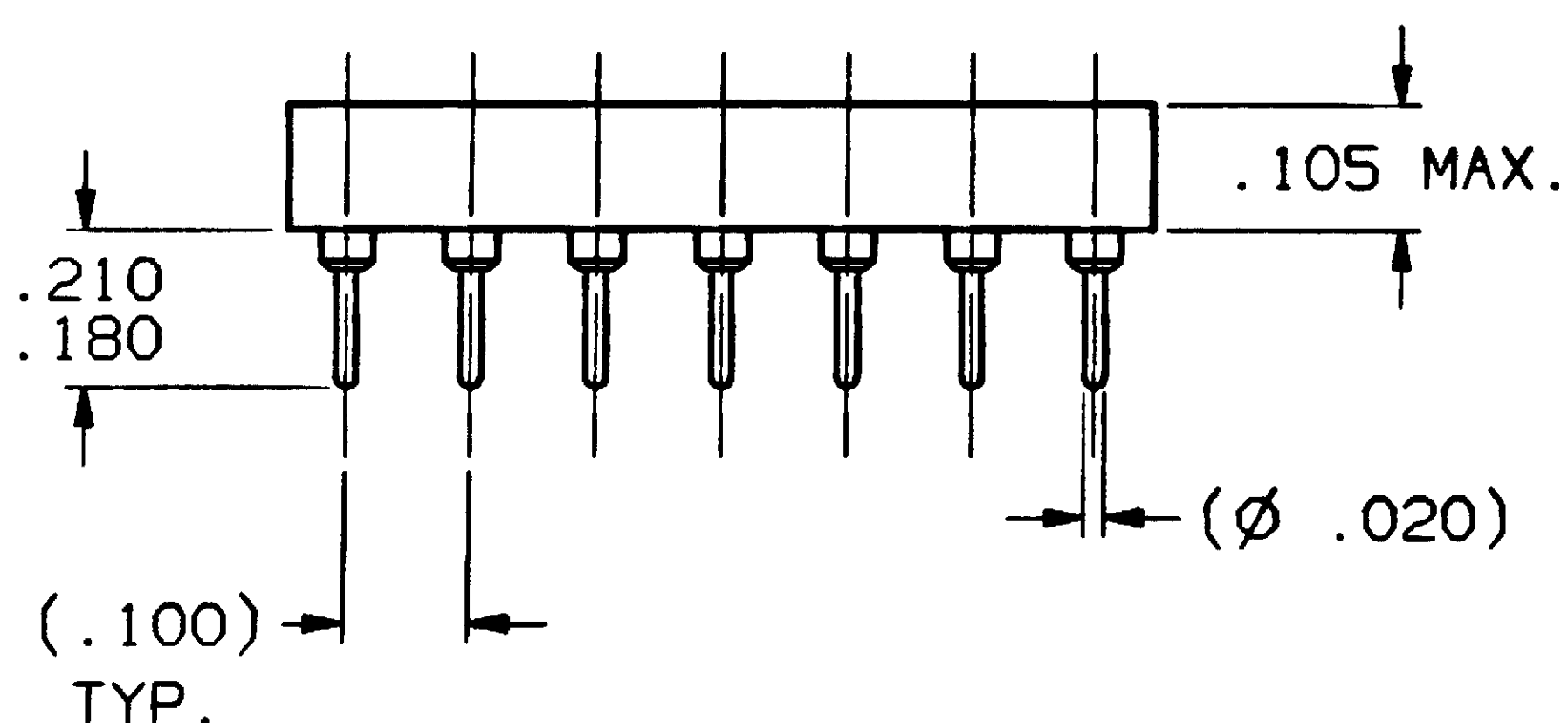


FIG. 2



DIM. "C" DIM. "B" MAX.



P.C.B. HOLE LAYOUT
TOLERANCE ±.002

PART NUMBER	FIG.	DIM. "A"	DIM. "B"	DIM. "C"
814-AG11D-ES 814-AG11D-ESL 814-AG12D-ES	1	.700	.400	.295 .305
816-AG11D-ES 816-AG11D-ESL 816-AG12D-ES	1	.800	.400	.295 .305
820-AG11D-ES 820-AG11D-ESL 820-AG12D-ES	1	1.000	.400	.295 .305
824-AG11D-ES 824-AG11D-ESL 824-AG12D-ES	1	1.200	.700	.595 .605
824-AG31D-ES 824-AG31D-ESL 824-AG32D-ES	1	1.200	.400	.295 .305
828-AG11D-ES 828-AG11D-ESL 828-AG12D-ES	1	1.400	.700	.595 .605
832-AG11D-ES 832-AG11D-ESL 832-AG12D-ES	2	1.600	.700	.595 .605
840-AG11D-ES 840-AG11D-ESL 840-AG12D-ES	2	2.000	.700	.595 .605
864-AG11D-ES 864-AG11D-ESL 864-AG12D-ES	2	3.200	1.000	.895 .905

SPECIFICATIONS:

MATERIALS:
INSULATOR: POLYESTER, UL RATED 94V-0.
CONTACT: COPPER ALLOY
SLEEVE: COPPER ALLOY.
PLATING: 11D-ES, 31D-ES - CONTACT - GOLD OVER NICKEL.
SLEEVE - TIN/LEAD.
11D-ESL, 31D-ESL - CONTACT - LOW GOLD OVER NICKEL.
SLEEVE - TIN/LEAD.
12D-ES, 32D-ES - CONTACT - TIN/LEAD.
SLEEVE - TIN/LEAD.

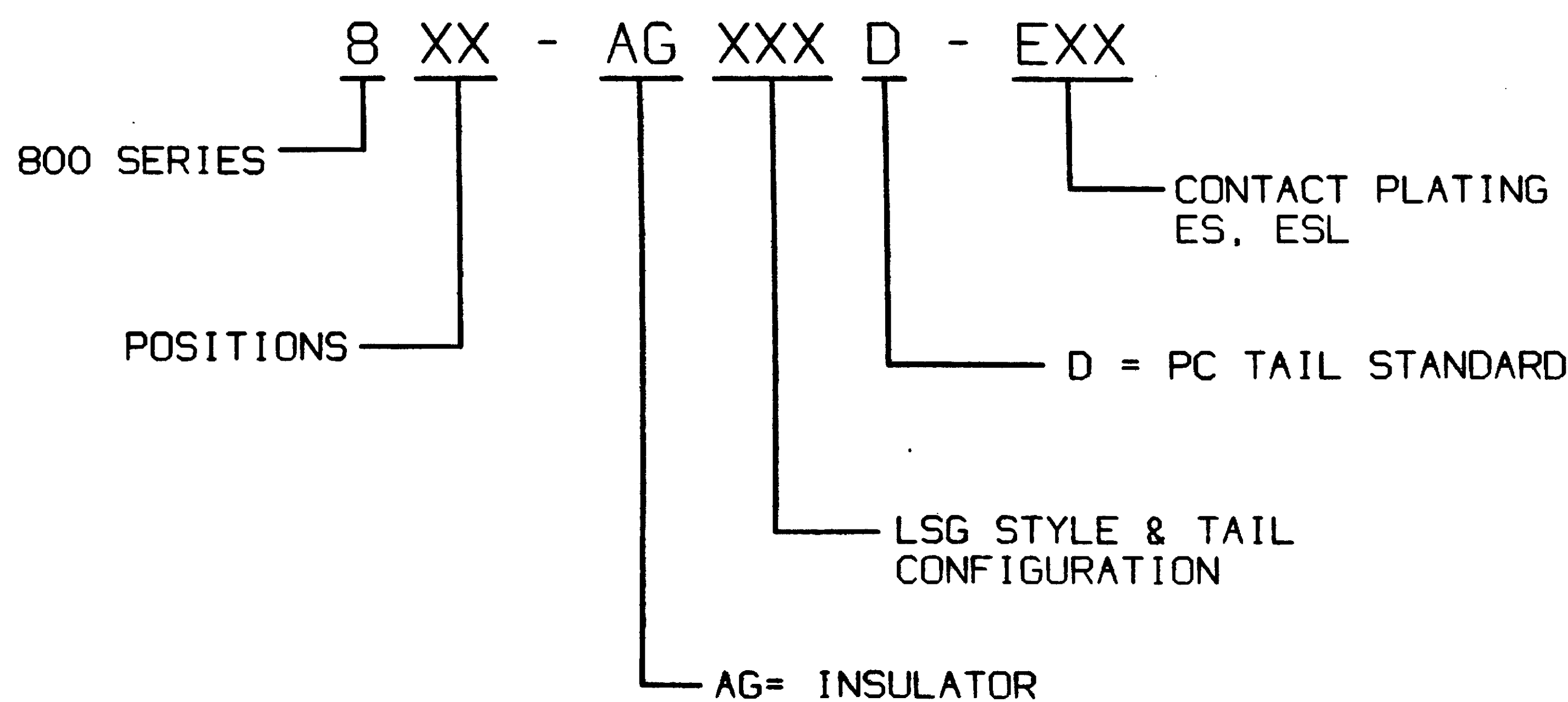
ELECTRICAL:
CONTACT RESISTANCE: 10 MILLIOHMS MAX.
CONTACT RATING: 3 AMPS.
CAPACITANCE: 1.0pF PER MIL-STD-202, METHOD 305.
INSULATION RESISTANCE: 5000 MΩ MIN. @ 500 VDC PER MIL-STD-1344, METHOD 3003.1.
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VOLTS (RMS) PER MIL-STD-1344, METHOD 3001.1.

MECHANICAL:
INSERTION FORCE: 179 GRAMS AVERAGE WHEN MEASURED WITH ø .018 POLISHED STEEL PIN.
WITHDRAWAL FORCE: 63 GRAMS AVERAGE WHEN MEASURED WITH ø .018 POLISHED STEEL PIN.

ENVIRONMENTAL:
OPERATING TEMPERATURE: -67°F TO +221°F (-55°C TO +105°C).

NOTES:

1. INTERPRET DRAWING PER ASME Y14.5M-1994.



OUTLINE DRAWING

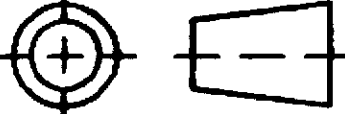
SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE

REV	0	1	2
INITIAL RELEASE	ESR/MS72	ECM/676-95	ECM/793-95
DATE	5-30-95	9-25-95	11-27-95
APPROVED	S.KIRCORIAN	S.KIRCORIAN	S.KIRCORIAN
APP'D	D.O'NEILL	D.O'NEILL	D.O'NEILL

REVISED	ECM/676-95	9-25-95	ECM/793-95	11-27-95	ECM/793-95	11-27-95
APP'D	D.O'NEILL	9-25-95	D.O'NEILL	11-27-95	D.O'NEILL	11-27-95

THIS IS A C.A.D. GENERATED DRAWING. DO NOT MAKE MANUAL REVISIONS TO MASTER.
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TOLERANCES (EXCEPT AS NOTED) ANGULAR = ±1° DECIMAL .XX = ± DECIMAL .XXX = ±.010 DECIMAL .XXXX = ±

	THIRD ANGLE PROJECTION
TOLERANCES (EXCEPT AS NOTED)	
ANGULAR = $\pm 1^\circ$	
DECIMAL .XX = $\pm$	
DECIMAL .XXX = $\pm .010$	
DECIMAL .XXXX = $\pm$	
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE PRINT	
FILE NAME: 8XXAOUT1	DIRECTORY: PNCODEAS

MATERIAL:

SEE SPECIFICATIONS

FINISH:

SEE SPECIFICATIONS

8XX - AGXXX D - EXX
800 SERIES
POSITIONS
AG
XXX
D
EXX
CONTACT PLATING ES, ESL
D = PC TAIL STANDARD
LSG STYLE & TAIL CONFIGURATION
AG= INSULATOR

AUGAT INC.	452 JOHN DIETSCH BLVD. ATTLEBORO FALLS, MASS. 02763
TITLE: OUTLINE DRAWING	800 SERIES
DWG. NO. 8XX-AGXXXD-ES, ESL	REV. 2
PRODUCT CODE: 25	SCALE: SHEET 1 OF 1