

CONVERSION CHART	
INCH	MM
.002	0.05
.005	0.13
.010	0.25
.020	0.51
.035	0.89
.100	2.54
.125	3.18
.135	3.43
.180	4.57
.180	4.57
.150	3.82
.300	7.62
.400	10.16
.600	15.24
.700	17.78
.800	20.32
1.000	25.40
1.200	30.48
1.400	35.56
1.800	45.72
2.000	50.8
2.100	53.34
2.400	60.96
3.200	81.28

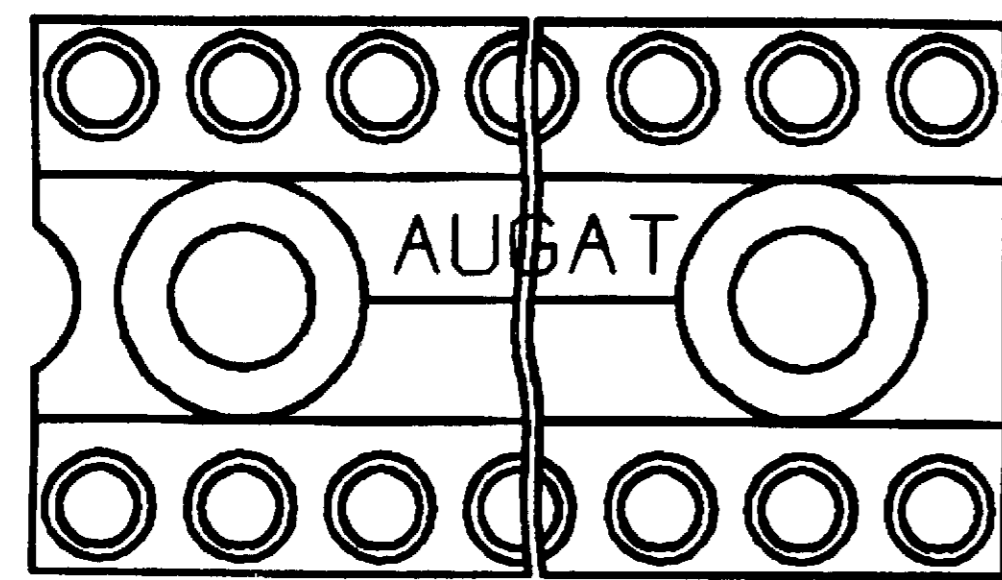


FIG. 1

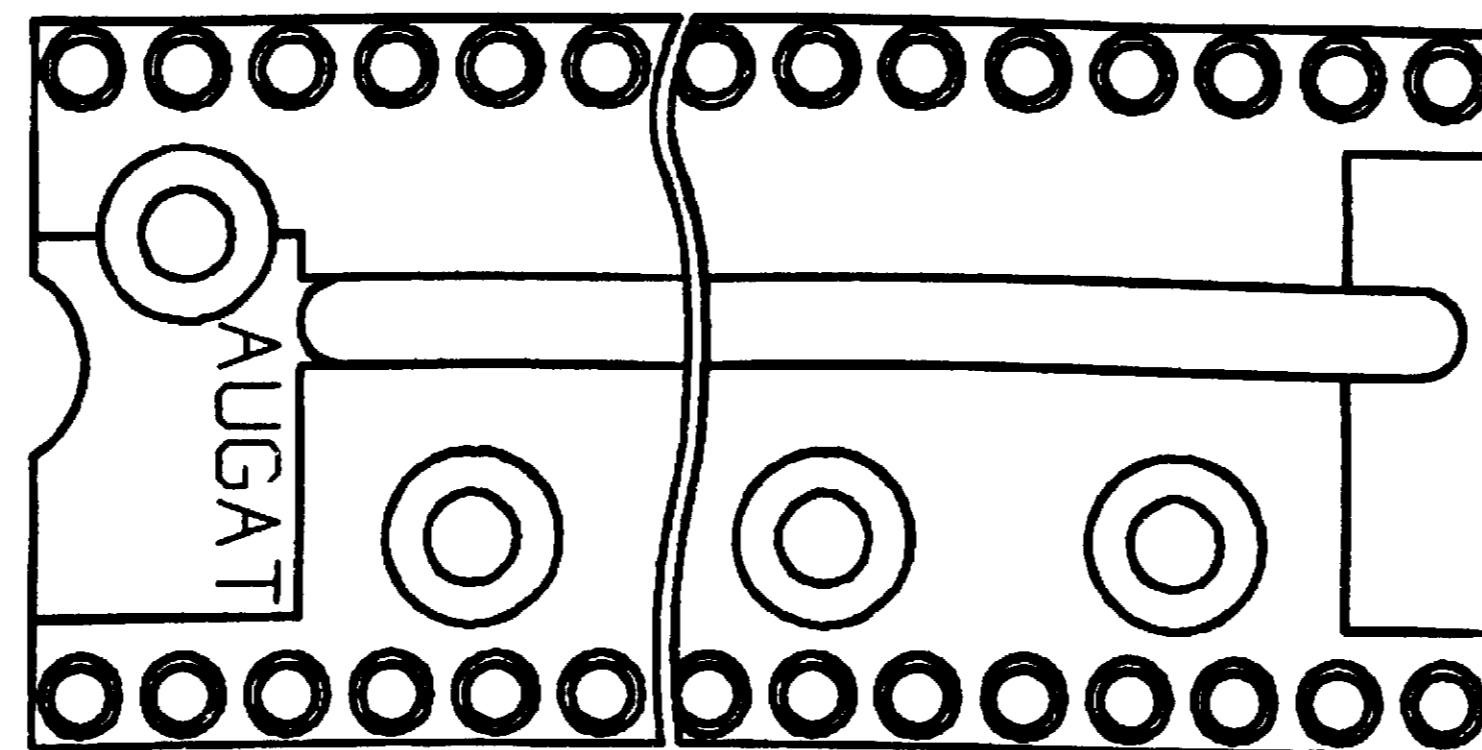
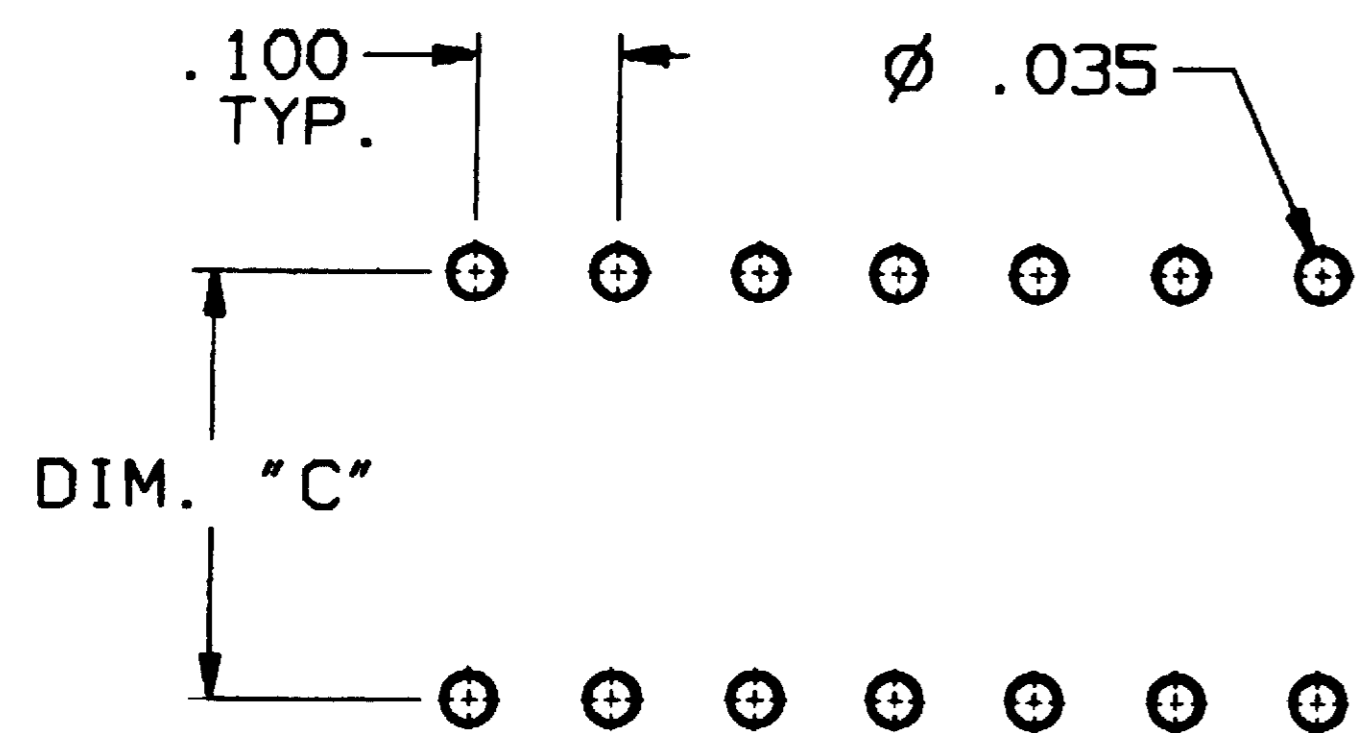
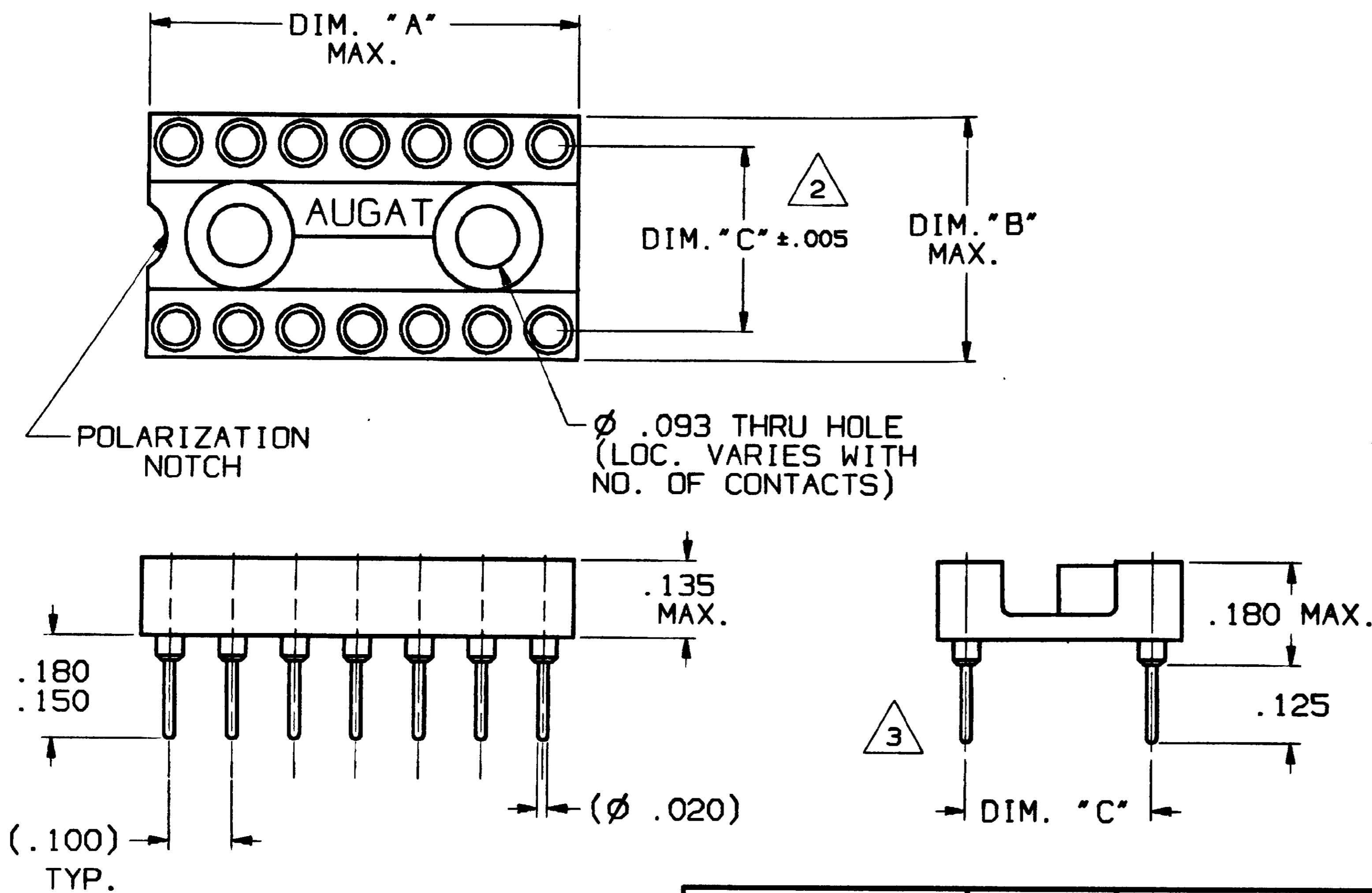


FIG. 2



P.C.B. HOLE LAYOUT
TOLERANCE ±.002

PART NUMBER	FIG.	DIM. "A"	DIM. "B"	DIM. "C"
514-AG10D-ES 514-AG11D-ES 514-AG11D-ESL	1	.700	.400	.300
516-AG10D-ES 516-AG11D-ES 516-AG11D-ESL	1	.800	.400	.300
520-AG10D-ES 520-AG11D-ES 520-AG11D-ESL	1	1.000	.400	.300
524-AG10D-ES 524-AG11D-ES 524-AG11D-ESL	2	1.200	.700	.600
528-AG10D-ES 528-AG11D-ES 528-AG11D-ESL	2	1.400	.700	.600
532-AG10D-ES 532-AG11D-ES 532-AG11D-ESL	2	1.600	.700	.600
540-AG10D-ES 540-AG11D-ES 540-AG11D-ESL	2	2.000	.700	.600

SPECIFICATIONS:

MATERIALS:
 INSULATOR: POLYESTER, UL RATED 94V-0.
 CONTACT: COPPER ALLOY
 SLEEVE: COPPER ALLOY.
 PLATING: 10D-ES - CONTACT - GOLD OVER NICKEL.
 SLEEVE - GOLD OVER NICKEL
 11D-ES - CONTACT - GOLD OVER NICKEL.
 SLEEVE - TIN/LEAD.
 11D-ESL- CONTACT - LOW GOLD OVER NICKEL.
 SLEEVE - TIN/LEAD.

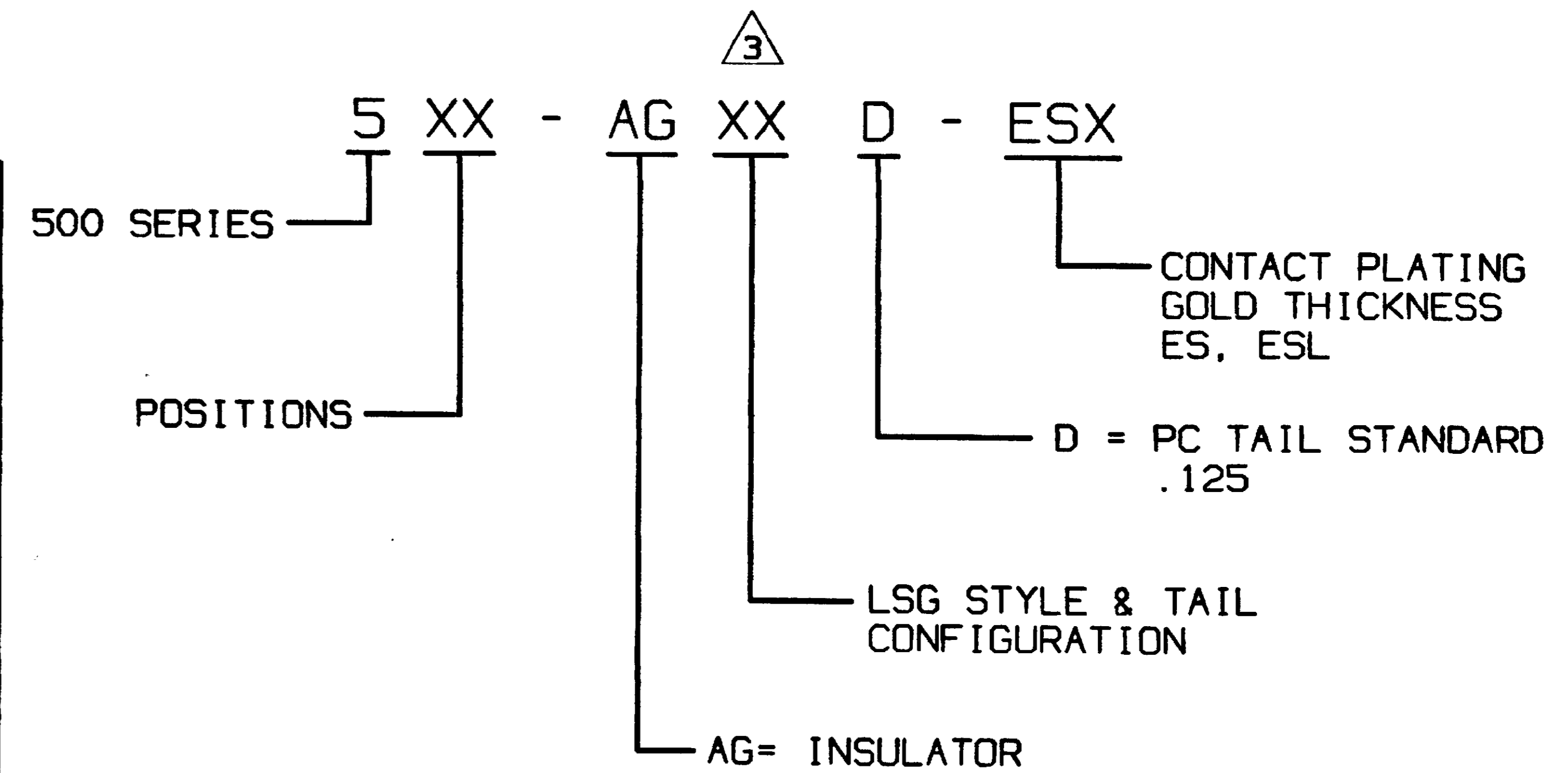
ELECTRICAL:
 CONTACT RESISTANCE: 10 MILLIOHMS MAX.
 CONTACT RATING: 3 AMPS.
 CAPACITANCE: 1.0 pF PER MIL-STD-202, METHOD 305.
 INSULATION RESISTANCE: 5000 MΩ MIN. @ 500 VDC PER MIL-STD-1344, METHOD 3003.1.
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VOLTS (RMS) PER MIL-STD-1344, METHOD 3001.1.

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:
 TIN/LEAD CONTACT: -63°F TO +221°F (-55°C TO +105°C).
 GOLD CONTACT: -63°F TO +261°F (-55°C TO +125°C).

NOTES:

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



OUTLINE DRAWING
 SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE

REV	REVISIONS
0	INITIAL RELEASE ESR#6572 S. KIRCORIAN 5-31-95 APP'D: D.O'NEILL 6-2-95
1	REVISED ECM#676-95 S. KIRCORIAN 9-25-95 APP'D: D.O. 9-26-95
2	REVISED ECM# 473-96 L.S. 8-7-96 APP'D: D.O. 8-13-96
3	REVISED ECM# 186-97 CAT 6-23-97 APP'D: D. O'Neill 6/27/97

TOLERANCES (EXCEPT AS NOTED) ANGULAR = ±1° DECIMAL .XX = ± DECIMAL .XXX = ±.010 DECIMAL .XXXX = ±		THIRD ANGLE PROJECTION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE PRINT		FILE NAME: SXXAUT1	DIRECTORY: PNCODEAS
SEE SPECIFICATIONS		DRAWN: S. KIRCORIAN	DATE: 5-31-95
SEE SPECIFICATIONS		CHECKED:	DATE:
SEE SPECIFICATIONS		APPROVED: D.O'NEILL	DATE: 6-2-95
SEE SPECIFICATIONS		CODE IDENT. NO. 91506	DWG. SIZE C
SEE SPECIFICATIONS		NEXT ASSY:	

AUGAT CONFIDENTIAL
 This document contains information which is the exclusive property of Augat Inc.
 Distribution, reproduction or use by others is not permitted without the expressed written consent of Augat Inc.

ORIGINAL DATE OF DRAWING: 5-31-95	 452 JOHN DIETSCH BLVD. ATTLEBORO FALLS, MASS. 02763 INC.
TITLE: OUTLINE DRAWING 500 SERIES	
DWG. NO.	REV.
3 5XX-AGXXD-ES, ESL-SD	3
PRODUCT CODE: 6231	SCALE: SHEET 1 OF 1