

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

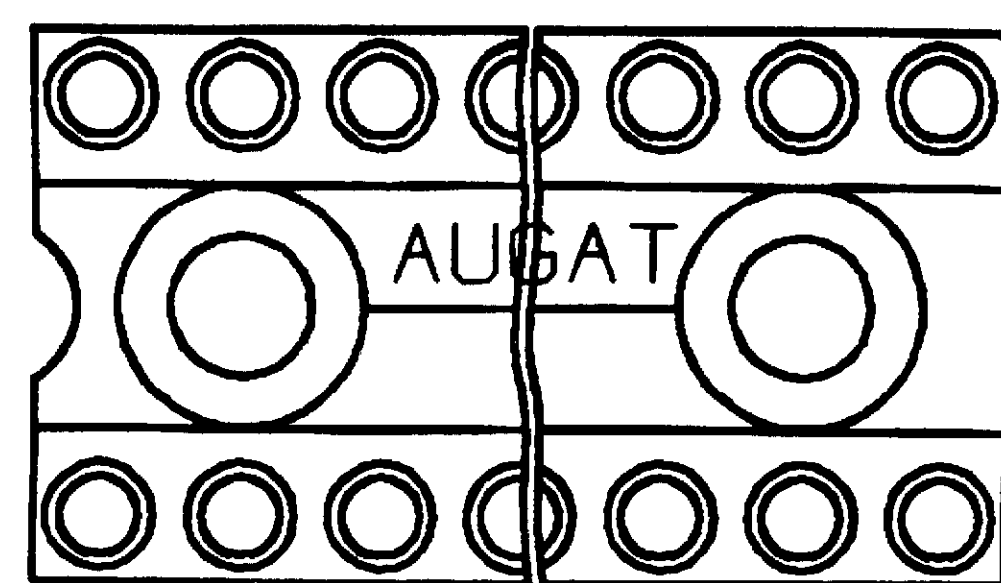


FIG. 1

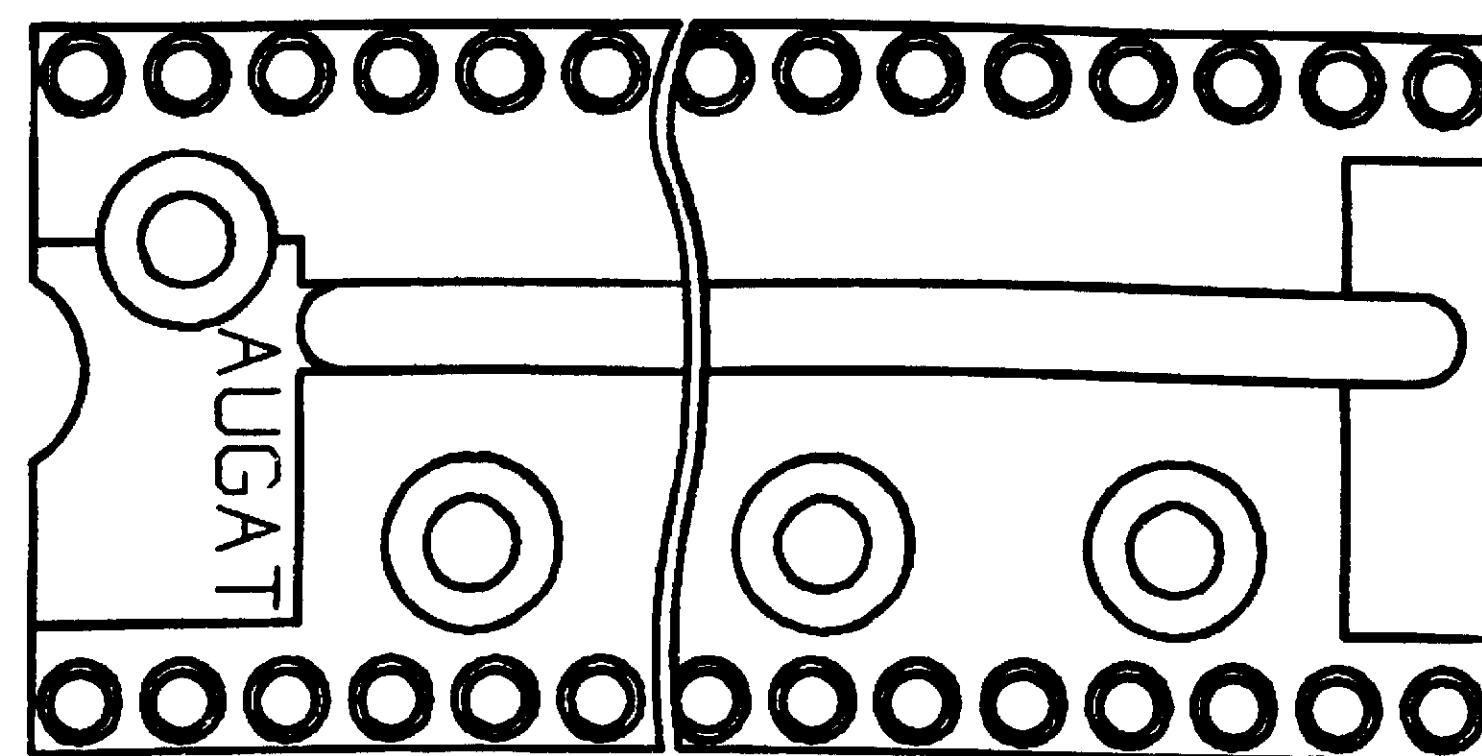
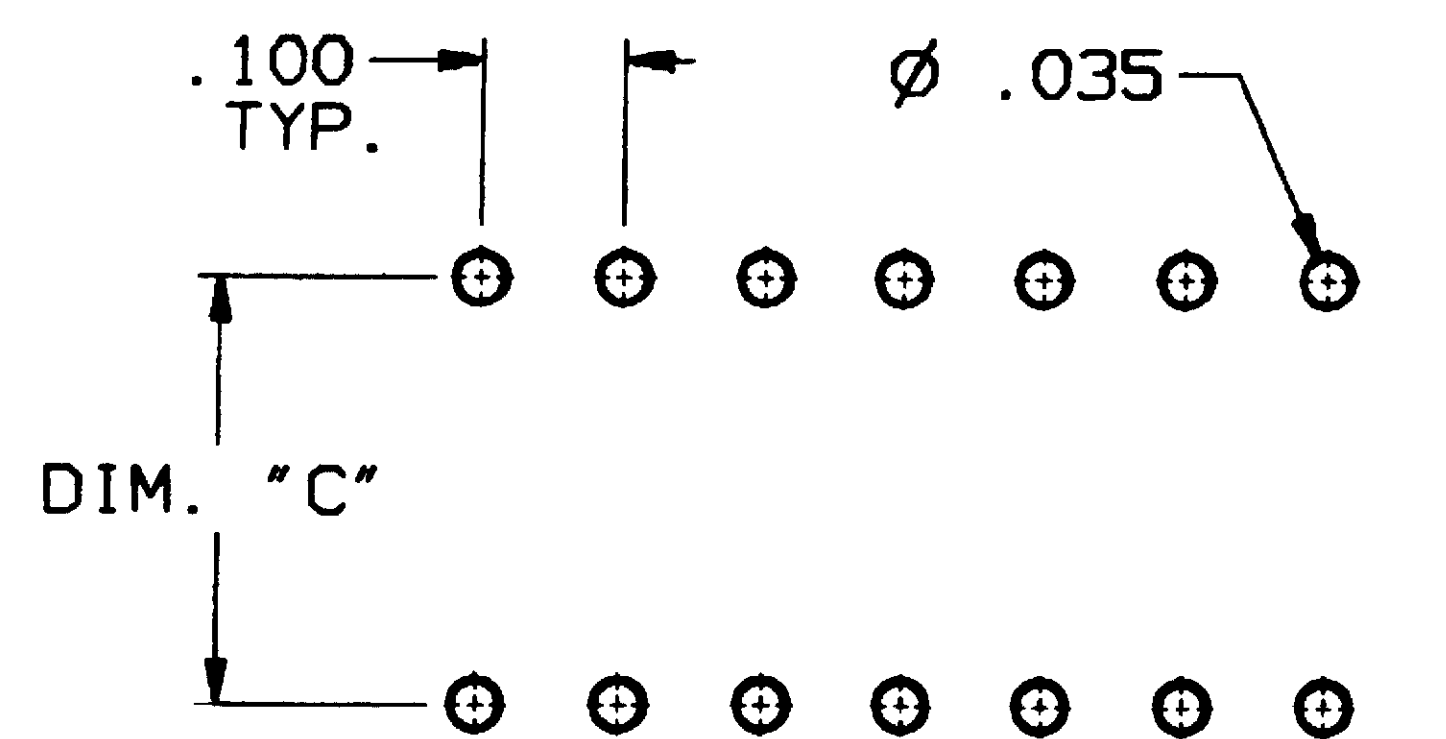
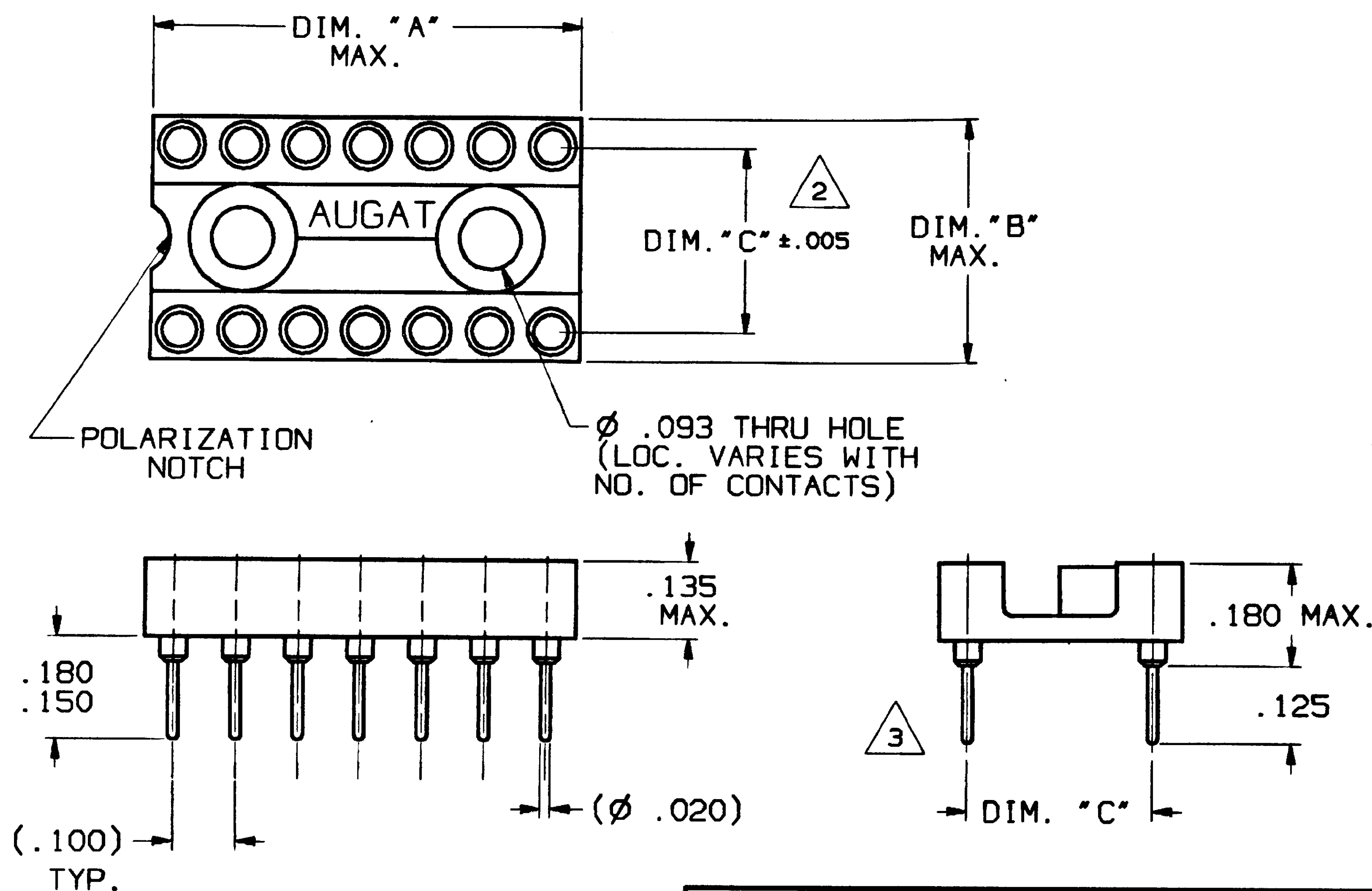
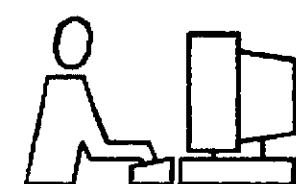


FIG. 2



P.C.B. HOLE LAYOUT

TOLERANCE ±.002

THIS IS A C.A.D. GENERATED DRAWING.
DO NOT MAKE MANUAL REVISIONS TO MASTER.

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.

11D-ES - CONTACT - GOLD OVER NICKEL.

SLEEVE - 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:

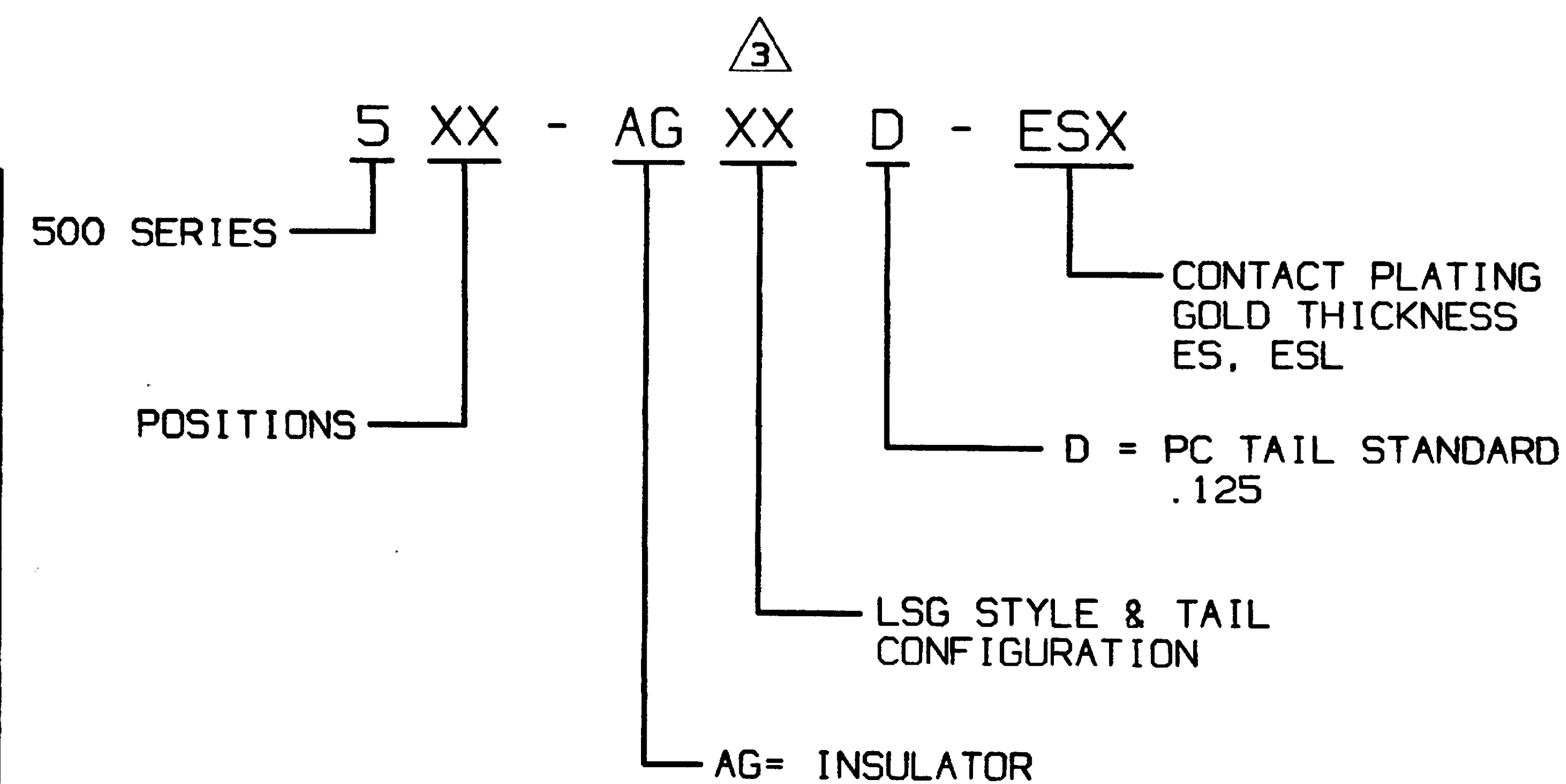
OPERATING TEMPERATURE:

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 A	REVISIONS REVISED PER ECO-11-005294 DATE: 16APR11 DR: RK APR: HMR	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: SXXADUT1	DIRECTORY: PNCODEAS	ORIGINAL DATE OF DRAWING: 5-31-95	TE Connectivity
				MATERIAL: SEE SPECIFICATIONS	DRAWN: S.KIRCORIAN		DATE: 5-31-95	TITLE: OUTLINE DRAWING 500 SERIES
				FINISH: SEE SPECIFICATIONS	CHECKED:		DATE:	DWG. NO. C-1437532-2
					APPROVED: D.O'NEILL		DATE: 6-2-95	REV. A
					CODE IDENT. NO. 91506		DWG. SIZE C	PRODUCT CODE: 6231
					NEXT ASSY:		SCALE:	SHEET 1 OF 1

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[7-1437529-5](#) [508-AG10D](#)