

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

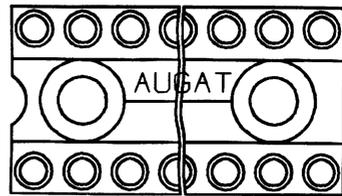


FIG. 1

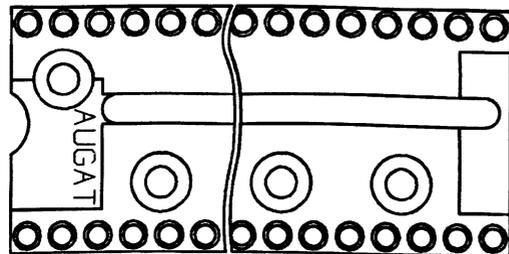
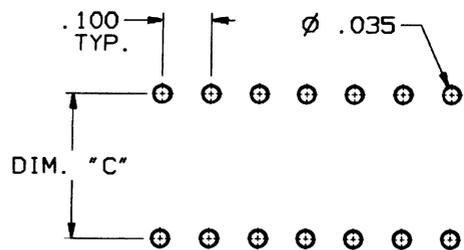
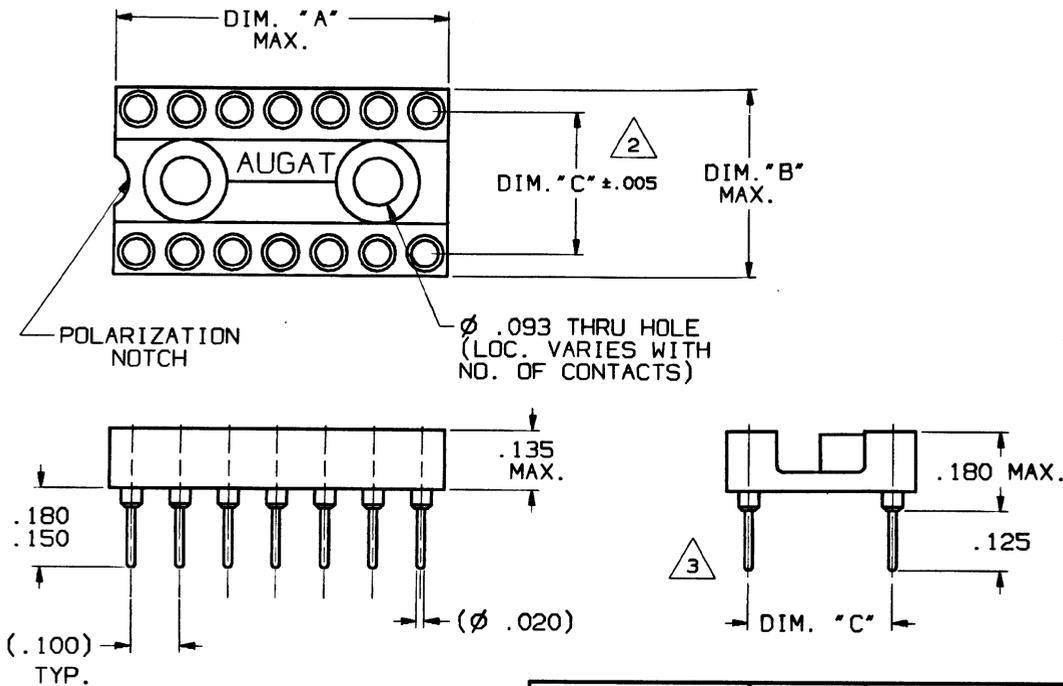


FIG. 2



**P.C.B. HOLE LAYOUT**  
TOLERANCE ±.002

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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.  
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:**

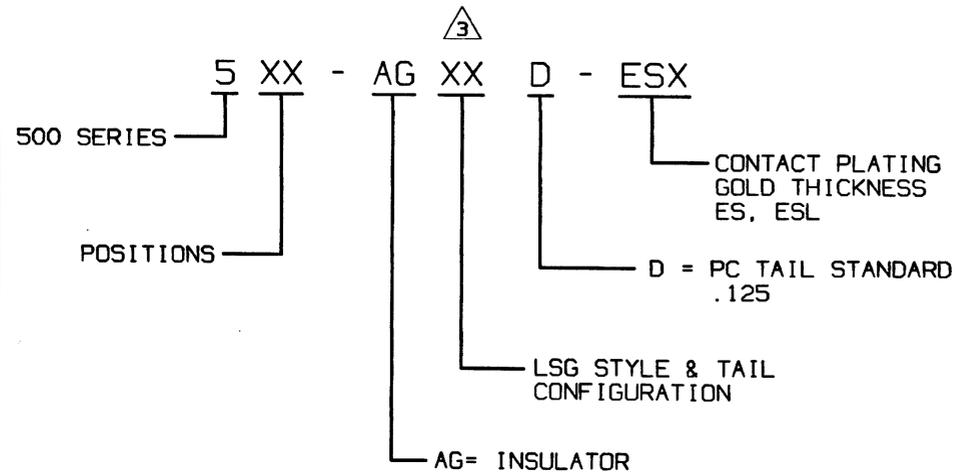
INSERTION FORCE: 179 GRAMS AVERAGE WHEN MEASURED WITH Ø .018 POLISHED STEEL PIN.  
WITHDRAWAL FORCE: 63 GRAMS AVERAGE WHEN MEASURED WITH Ø .018 POLISHED STEEL PIN.

**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 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 = ±	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE PRINT	ORIGINAL DATE OF DRAWING: 5-31-95 DRAWN: S.KIRCORIAN DATE: 5-31-95 CHECKED: DATE: APPROVED: D.O'NEILL DATE: 6-2-95	<b>STE</b> TE Connectivity TITLE: <b>OUTLINE DRAWING</b> <b>500 SERIES</b> DWG. NO. <b>C-1437532-2</b> PRODUCT CODE: 6231 SCALE: SHEET 1 OF 1
	FINISH: SEE SPECIFICATIONS	MATERIAL: SEE SPECIFICATIONS	CODE IDENT. NO. 91506 DWG. SIZE C	REV. A
	THIRD ANGLE PROJECTION	FILE NAME: SXXADU1 DIRECTORY: PNCODEAS	NEXT ASSY:	REV. A
	THIS IS A C.A.D. GENERATED DRAWING. DO NOT MAKE MANUAL REVISIONS TO MASTER.	SEE SPECIFICATIONS	SEE SPECIFICATIONS	REV. A

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