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 .150	4.57 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

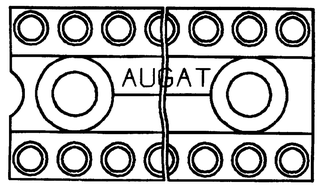


FIG. 1

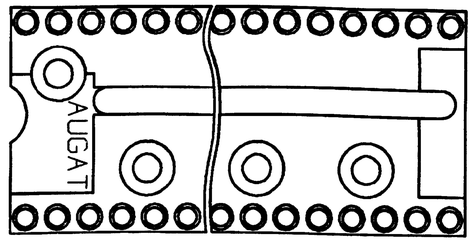
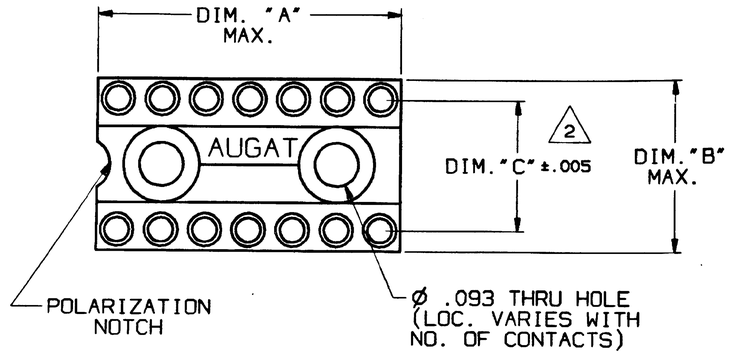
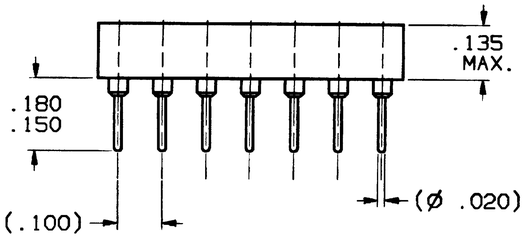
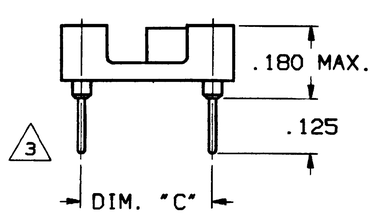
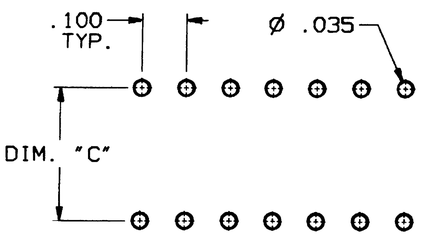


FIG. 2









P.C.B. HOLE LAYOUT

TOLERANCE ±.002

PART NUMBER	FIG.	DIM. "A"	DIM. "B"	DIM. "C" (2)
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

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

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:
(1) 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:
(1) 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:
(3)(1) 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.

(3)

5 XX - AG XX D - ESX

- 500 SERIES
- XX = POSITIONS
- AG = INSULATOR
- XX = LSG STYLE & TAIL CONFIGURATION
- D = PC TAIL STANDARD .125
- ESX = CONTACT PLATING GOLD THICKNESS ES, ESL

OUTLINE DRAWING

SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE

REV	REVISIONS
0	INITIAL RELEASE ESR#A6572 S.KIRCORIAN 5-31-95 APP'D: D.O'NEILL 6-2-95
1	REVISED ECO#676-95 S.KIRCORIAN 9-25-95 APP'D: D.O. 9-26-95
2	REVISED ECO# 473-96 L.S. 8-7-96 APP'D: D.O. 8-13-96
3	REVISED ECO# 186-97 CAT 6-23-97 APP'D: D.O'Neill 6/23/97

THIRD ANGLE PROJECTION

TOLERANCES (EXCEPT AS NOTED)
ANGULAR = ±1°
DECIMAL .XX = ±
DECIMAL .XXX = ±.010
DECIMAL .XXXX = ±

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FILE NAME: 5XXAOUT1	DIRECTORY: PNCODEAS
MATERIAL: SEE SPECIFICATIONS	
FINISH: SEE SPECIFICATIONS	

ORIGINAL DATE OF DRAWING:	5-31-95	
DRAWN: S.KIRCORIAN	DATE:	5-31-95
CHECKED:	DATE:	
APPROVED: D.O'NEILL	DATE:	6-2-95
CODE IDENT. NO. 91506	DWG. SIZE	C
NEXT ASSY:		

AUGAT INC. 452 JOHN DIETSCH BLVD. ATTLEBORO FALLS, MASS. 02763

TITLE: OUTLINE DRAWING
500 SERIES

DWG. NO. (3) 5XX-AGXXD-ES, ESL-SD — REV. 3
PRODUCT CODE: 6231
SCALE: — SHEET 1 OF 1

CAD060992C

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CUSTOMER DRWG: 1437532-2 REV: 99 PG 1 OF 1