

| 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 |

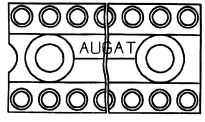


FIG. 1

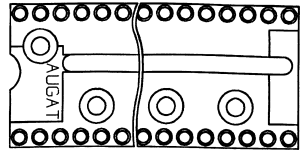
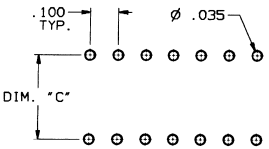
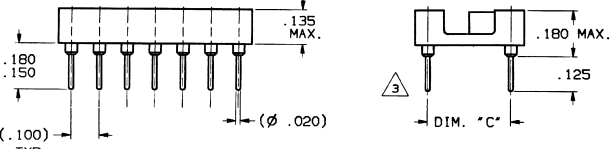
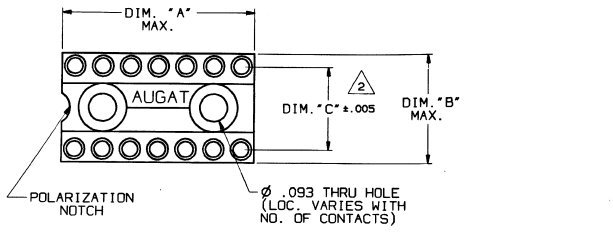


FIG. 2



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.

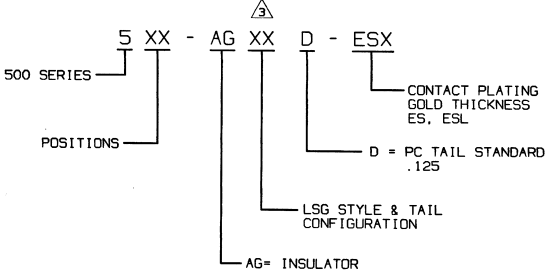
ELECTRICAL:
 CONTACT RESISTANCE: 10 MILLIOHMS MAX.
 CONTACT RATING: 3 AMPS.
 CAPACITANCE: 1.0 pF PER MIL-STD-202, METHOD 305.
 INSULATION RESISTANCE: 5000 MΩ MIN. @ 500 VDC PER MIL-STD-1344, METHOD 3003.1
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VOLTS (RMS) PER MIL-STD-1344, METHOD 3001.1.

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:

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



OUTLINE DRAWING
 SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE

| REV | REVISIONS |
|-----|-----------------------------------------------------------|
| 0 | INITIAL RELEASE |
| 1 | REVISED BY S.KIRCORIAN 5-31-95 APP'D: D.O'NEILL 6-2-95 |
| 2 | REVISED BY S.KIRCORIAN 9-25-95 APP'D: D.O. 9-26-95 |
| 3 | REVISED BY S.KIRCORIAN 8-13-96 APP'D: D.O. 8-13-96 |
| 3 | REVISED BY S.KIRCORIAN 6-29-97 APP'D: D.O. 6-29-97 |

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



THIRD ANGLE PROJECTION
 TOLERANCES (EXCEPT AS NOTED)
 ANGULAR .XX ± .1°
 DECIMAL .XX ± .005
 DECIMAL .XXX ± .010
 DECIMAL .XXXX ± .005

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE PRINT
 FILE NAME: SXKOUT1 DIRECTORY: PNCDEAS
 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 452 JOHN DIETSON BLVD.
 ATTLEBORO FALLS, MASS. 02763
 INC.
 TITLE: **OUTLINE DRAWING**
500 SERIES
 DWG. NO. REV.
 SXX-AGXXD-ES, ESL^{SD} 3
 PRODUCT CODE: 6231
 SCALE: SHEET 1 OF 1