

CONVERSION CHART	
INCH	MM
.010	0.25
.020	0.51
.035	0.89
.100	2.54
.105	2.67
.125	3.18
.180	4.57
.210	5.33
.210	5.33
.250	6.35
.250	6.35
.300	7.62
.396	10.04
.405	10.28
.400	10.16
.500	12.70
.500	12.70
.600	15.24
.700	17.78
.800	20.32
.896	22.74
.905	22.98
.900	22.86
1.000	25.40
1.200	30.48
1.400	35.56
1.500	40.64
2.000	50.80
3.200	81.28

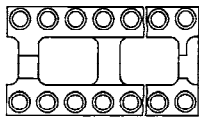


FIG. 1

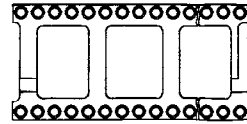
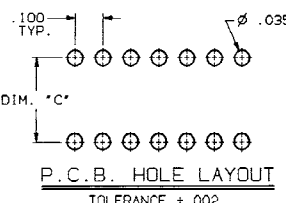
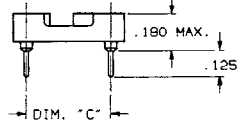
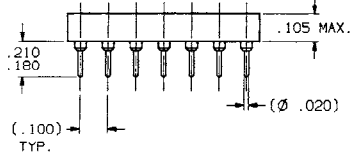
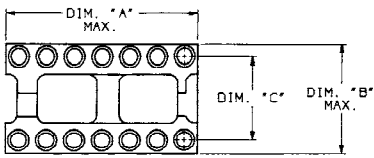


FIG. 2



PART NUMBER	FIG.	DIM. 'A'	DIM. 'B'	DIM. 'C'
814-AG11D-ES	1	.700	.400	.295
814-AG11D-ESL	1	.700	.400	.305
814-AG12D-ES	1	.700	.400	.305
816-AG11D-ES	1	.800	.400	.295
816-AG11D-ESL	1	.800	.400	.305
816-AG12D-ES	1	.800	.400	.305
820-AG11D-ES	1	1.000	.400	.295
820-AG11D-ESL	1	1.000	.400	.305
820-AG12D-ES	1	1.000	.400	.305
824-AG11D-ES	1	1.200	.700	.595
824-AG11D-ESL	1	1.200	.700	.605
824-AG12D-ES	1	1.200	.700	.605
824-AG31D-ES	1	1.200	.400	.295
824-AG31D-ESL	1	1.200	.400	.305
824-AG32D-ES	1	1.200	.400	.305
828-AG11D-ES	1	1.400	.700	.595
828-AG11D-ESL	1	1.400	.700	.605
828-AG12D-ES	1	1.400	.700	.605
832-AG11D-ES	2	1.600	.700	.595
832-AG11D-ESL	2	1.600	.700	.605
832-AG12D-ES	2	1.600	.700	.605
840-AG11D-ES	2	2.000	.700	.595
840-AG11D-ESL	2	2.000	.700	.605
840-AG12D-ES	2	2.000	.700	.605
884-AG11D-ES	2	3.200	1.000	.895
884-AG11D-ESL	2	3.200	1.000	.905
884-AG12D-ES	2	3.200	1.000	.905

**SPECIFICATIONS:**

**MATERIALS:**  
 INSULATOR: POLYESTER, UL RATED 94V-0.  
 CONTACT: COPPER ALLOY  
 SLEEVE: COPPER ALLOY  
 PLATING: 11D-ES, 31D-ES - CONTACT - GOLD OVER NICKEL.  
 SLEEVE - TIN/LEAD.  
 11D-ESL, 31D-ESL - CONTACT - LOW GOLD OVER NICKEL.  
 SLEEVE - TIN/LEAD.  
 12D-ES, 32D-ES - CONTACT - TIN/LEAD.  
 SLEEVE - TIN/LEAD.

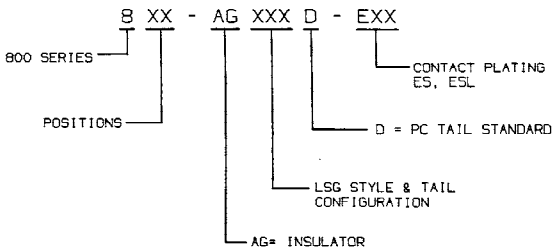
**ELECTRICAL:**  
 CONTACT RESISTANCE: 10 MILLIOHMS MAX.  
 CONTACT RATING: 3 AMPS.  
 CAPACITANCE: 1.0pF PER MIL-STD-202, METHOD 305.  
 INSULATION RESISTANCE: 5000 MO MIN. @ 500 VDC PER MIL-STD-1344, METHOD 3003.1.  
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VOLTS (RMS) PER MIL-STD-1344, METHOD 3001.1.

**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: -67°F TO +221°F (-55°C TO +105°C).

**NOTES:**

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



**OUTLINE DRAWING**  
 SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE

REV	REVISIONS
0	INITIAL RELEASE
1	REVISED
2	REVISED

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



**TOLERANCES (EXCEPT AS NOTED)**  
 ANGULAR = ±1°  
 DECIMAL .XX = ±.005  
 DECIMAL .XXX = ±.010  
 DECIMAL .XXXX = ±.020

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FILE NAME: 8XXA011 DIRECTORY: PK00EAS

MATERIAL: SEE SPECIFICATIONS

FINISH: SEE SPECIFICATIONS

APPROVED: D.O'NEILL DATE: 6-1-95  
 CODE IDENT. NO. 91506 DWG. SIZE C

NEXT ASSY:

ORIGINAL DATE OF DRAWING: 5-30-95

DRAWN: S.KIRCORIAN DATE: 5-30-95

CHECKED: DATE:

DWG. NO. 8XX-AGXXXD-ES, ESL

REV. 2

SHEET 1 OF 1