

REV	DATE	DESCRIPTION	BY	CHK	APP
AD	00				
A3		REVISED PER ECO-10-019841			14FEB11 HMR MM

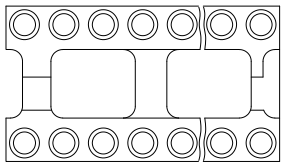


FIG. 1

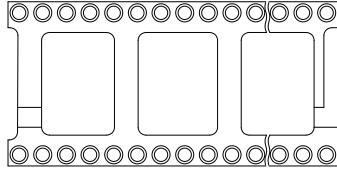


FIG. 2

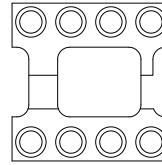
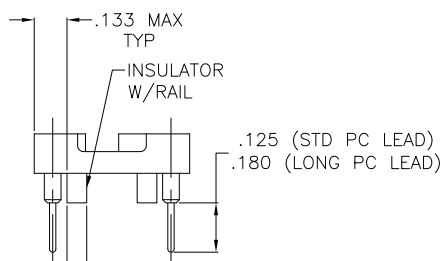
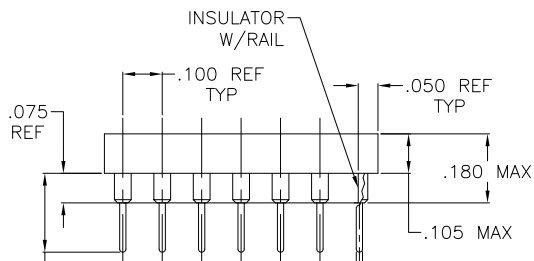
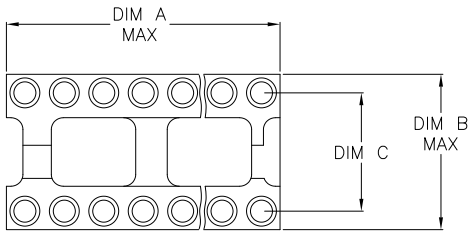


FIG. 3  
(8 POS ONLY)



.210/.180  
(STD .125 PC LEAD)  
.265/.235  
(LONG .180 PC LEAD)

P.C.B. HOLE LAYOUT  
TOLERANCE ±.003

- △ MATERIALS:  
INSULATOR: POLYESTER, UL RATED 94V-0  
CONTACT:  
800 & 1800 SERIES CONTACT: 4 BEAM, COPPER ALLOY, MACHINED (PREMIUM VERSION) OR FORMED (ECONOMY VERSION, WITH SUFFIX -ES OR -ESL).  
800 SERIES HIGH RETENTION CONTACT: 4 BEAM, COPPER ALLOY, MACHINED.  
1000 SERIES CONTACT: 6 BEAM, COPPER ALLOY, MACHINED (LOW INSERTION FORCE SERIES)  
SLEEVE- ALL SERIES: COPPER ALLOY, FORMED
- △ ELECTRICAL:  
CONTACT RESISTANCE: 10 MILLIOHMS MAX  
CONTACT RATING: 3 AMPS  
CAPACITANCE: 1.0 pF MIL-STD-202, METHOD 305  
INSULATION RESISTANCE: 5000 OHMS MIN @ 500 VDC PER MIL-STD-1344, METHOD 3003.1  
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VOLTS (RMS) PER MIL-STD-1344, METHOD 3001.1
- △ MECHANICAL:  
AFTER INSERTION FORCE: 37 GRAMS AVG (6 BEAM CONTACT) 134 GRAMS AVG (4 BEAM PREMIUM) 179 GRAMS AVG (4 BEAM ECONOMY) AND 334 GRAMS AVG (HIGH RETENTION)  
AFTER WITHDRAWAL FORCE: 15 GRAMS AVG (6 BEAM CONTACT) 63 GRAMS AVG (4 BEAM PREMIUM OR ECONOMY) AND 245 GRAMS AVG (HIGH RETENTION)
- △ ENVIRONMENTAL:  
OPERATING TEMPERATURE: -55°C TO -105°C
- △ PLATING: 25µ" MIN GOLD OVER 50µ" MIN NICKEL CONTACT WITH 5µ" MIN GOLD OVER 50µ" MIN NICKEL SLEEVE.
- △ PLATING: 25µ" MIN GOLD OVER 50µ" MIN NICKEL CONTACT WITH 80µ" MIN TIN-LEAD OVER 50µ" MIN COPPER SLEEVE.
- △ PLATING: 80µ" MIN TIN-LEAD OVER 75µ" MIN COPPER CONTACT WITH 180µ" MIN TIN-LEAD OVER 75.7 MIN NICKEL SLEEVE.
- △ PLATING: 5µ" MIN GOLD FLASH OVER 50µ" MIN NICKEL CONTACT WITH 5µ" MIN GOLD FLASH OVER 50µ" MIN NICKEL SLEEVE.
- △ PLATING: 5µ" MIN GOLD FLASH OVER 50µ" MIN NICKEL CONTACT WITH 80µ" MIN TIN-LEAD OVER 50µ" MIN COPPER SLEEVE.
- △ PLATING: 7.5µ" MIN GOLD OVER 50µ" MIN NICKEL CONTACT WITH 80µ" MIN TIN-LEAD OVER 50µ" MIN COPPER SLEEVE.
- △ PRELIMINARY PART - NOT RELEASED FOR PRODUCTION.
- △ 806-AGXXD-XXX SERIES IS SUPERSEDED BY 506-AGXXD-XXX SERIES (REFER TO CUSTOMER DRAWING 1437532-2)
- △ PLATING: 25µ" MIN GOLD OVER 50µ" MIN NICKEL CONTACT WITH 80µ" MIN MATTE TIN OVER 50µ" MIN COPPER SLEEVE.
- △ PLATING: 80µ" MIN MATTE TIN OVER 75µ" MIN COPPER CONTACT WITH 180µ" MIN MATTE TIN OVER 75.7 MIN NICKEL SLEEVE.
- △ PLATING: 5µ" MIN GOLD FLASH OVER 50µ" MIN NICKEL CONTACT WITH 80µ" MIN MATTE TIN OVER 50µ" MIN COPPER SLEEVE.
- △ PLATING: 7.5µ" MIN GOLD OVER 50µ" MIN NICKEL CONTACT WITH 80µ" MIN MATTE TIN OVER 50µ" MIN COPPER SLEEVE.
- △ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

800 SERIES - B XX - AX XXX D - XXX - LF  
 POSITIONS

LF = LEAD FREE  
 BLANK = MACHINED CONTACT  
 ES = FORMED CONTACT, GOLD PLATE, NOTE 1  
 ESL = FORMED CONTACT, LOW GOLD PLATE, 5 IN MAX  
 D = PC TAIL STANDARD  
 LSC STYLE AND TAIL CONFIGURATION  
 AG = INSULATOR WITH RAILS  
 AR = INSULATOR WITH RAILS (ALMOST RUN THE LENGTH UNDER THE INSULATOR INSIDE THE CONTACT ROWS, .075 REF HIGH & .045 REF WIDE)

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV	DATE	DESCRIPTION	BY	CHK	APP
REVISIONS:		AD	00				
APPROVED:		A3		REVISED PER ECO-10-019841			14FEB11 HMR MM
DRAWN:							
CHECKED:							
DESIGNED:							
PARTS:							
MATERIALS:							
DIMENSIONS:							
TOLERANCES:							
SURFACE FINISH:							
PLATING:							
OTHER:							
CUSTOMER DRAWING:		A1	00779	1437539-2			
SCALE:		1:1					
SHEET:		1					
TOTAL SHEETS:		4					





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REV	DATE	DESCRIPTION	BY	CHK	APP
00		SEE SHEET 1			

1000 SERIES MACHINED PREMIUM CONTACT, LOW INSERTION FORCE PART NUMBER TABLE

S/B	PLATING	C	B	A	FIG	AUGAT PART NO.	TE PART NO.
S/B 4-1437538-8	Δ	.895/.905	1.000	3.200	2	1064-AG11D	2-1437529-4
S/B 3-1437540-1	Δ	.895/.905	1.000	3.200	2	1064-AG10D	2-1437529-3
S/B 3-1437539-0	Δ	.595/.605	.700	2.000	2	1040-AG11D	2-1437529-2
S/B 2-1437538-2	Δ	.595/.605	.700	1.600	2	1032-AG11D	2-1437529-1
S/B 1437538-4	Δ	.595/.605	.700	1.400	1	1028-AG11D	1-1437529-9
S/B 8-1437537-9	Δ	.295/.305	.400	1.200	1	1024-AG31D	1-1437529-8
S/B 8-1437537-2	Δ	.595/.605	.700	1.200	1	1024-AG11D	1-1437529-6
S/B 8-1437537-1	Δ	.595/.605	.700	1.200	1	1024-AG10D	1-1437529-5
S/B 6-1437537-6	Δ	.295/.305	.400	1.000	1	1020-AG11D	1-1437529-4
S/B 6-1437537-4	Δ	.295/.305	.400	.900	1	1020-AG10D	1-1437529-3
S/B 5-1437537-7	Δ	.295/.305	.400	.900	1	1018-AG11D	1-1437529-2
S/B 5-1437537-6	Δ	.295/.305	.400	.900	1	1018-AG10D	1-1437529-1
S/B 4-1437537-0	Δ	.295/.305	.400	.800	1	1016-AG11D	1-1437529-0
S/B 3-1437537-7	Δ	.295/.305	.400	.700	1	1016-AG10D	0-1437529-9
S/B 2-1437537-4	Δ	.295/.305	.400	.700	1	1014-AG11D	0-1437529-7
S/B 2-1437537-1	Δ	.295/.305	.400	.700	1	1014-AG10D	0-1437529-6
S/B 1437537-8	Δ	.295/.305	.400	.400	3	1008-AG11D	0-1437529-5
S/B 1437537-5	Δ	.295/.305	.400	.400	3	1008-AG10D	0-1437529-4

1800 SERIES MACHINED PREMIUM CONTACT, LOW GOLD PART NUMBER TABLE

S/B	PLATING	C	B	A	FIG	AUGAT PART NO.	TE PART NO.
S/B 5-1437538-0	Δ	.895/.905	1.000	3.200	2	1064-AG111D	5-1437529-1
S/B 6-1437540-2 W/RAILS	Δ	.595/.605	.700	2.400	2	1848-AR111D	5-1437529-0
S/B 4-1437538-2	Δ	.595/.605	.700	2.100	2	1848-AG111D	4-1437529-9
S/B 2-1437540-4	Δ	.595/.605	.700	2.000	2	1842-AG111D	4-1437529-8
S/B 2-1437540-2 W/RAILS	Δ	.595/.605	.700	2.000	2	1840-AR111D	4-1437529-7
S/B 1-1437540-1	Δ	.595/.605	.700	1.600	2	1840-AG111D	4-1437529-6
S/B 1437540-3	Δ	.595/.605	.700	1.600	2	1832-AG111D	4-1437529-5
S/B 9-1437539-7 W/RAILS	Δ	.595/.605	.700	1.400	1	1828-AR111D	4-1437529-4
S/B 9-1437539-2	Δ	.595/.605	.700	1.400	1	1828-AG111D	4-1437529-3
S/B 3-1437540-9 W/RAILS	Δ	.295/.305	.400	1.200	1	1824-AR111D	4-1437529-2
S/B 8-1437539-6 W/RAILS	Δ	.595/.605	.700	1.200	1	1824-AR111D	4-1437529-1
S/B 8-1437539-4	Δ	.395/.405	.500	1.200	1	1824-AG114D	4-1437529-0
S/B 7-1437539-7	Δ	.295/.305	.400	1.200	1	1824-AG131D	3-1437529-9
S/B 7-1437539-0	Δ	.595/.605	.700	1.200	1	1824-AG111D	3-1437529-8
S/B 6-1437539-3	Δ	.395/.405	.500	1.100	1	1822-AG111D	3-1437529-7
S/B 5-1437539-8 W/RAILS	Δ	.295/.305	.400	1.000	1	1820-AR111D	3-1437529-6
S/B 5-1437539-3	Δ	.295/.305	.400	.900	1	1820-AG111D	3-1437529-5
S/B 4-1437539-8 W/RAILS	Δ	.295/.305	.400	.900	1	1818-AR111D	3-1437529-4
S/B 4-1437539-4	Δ	.295/.305	.400	.900	1	1818-AG111D	3-1437529-3
S/B 3-1437539-5 W/RAILS	Δ	.295/.305	.400	.800	1	1816-AR111D	3-1437529-2
S/B 2-1437539-9	Δ	.295/.305	.400	.800	1	1816-AG111D	3-1437529-1
S/B 2-1437539-3 W/RAILS	Δ	.295/.305	.400	.700	1	1814-AR111D	3-1437529-0
S/B 1-1437539-7	Δ	.295/.305	.400	.700	1	1814-AG111D	2-1437529-9
S/B 1-1437539-1 W/RAILS	Δ	.295/.305	.400	.400	3	1808-AR111D	2-1437529-8
S/B 1437539-6	Δ	.295/.305	.400	.300	3	1808-AG111D	2-1437529-5
S/B 1437539-8	Δ	.295/.305	.400	.300	3	1806-AG111D	0-1437529-2

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REVISIONS: 1. DATE: 00779. DRAWING NO: 1437539-2. SHEET: 1 OF 4.

Customer Drawing: 1437539-2