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Jameco Part Number 848378

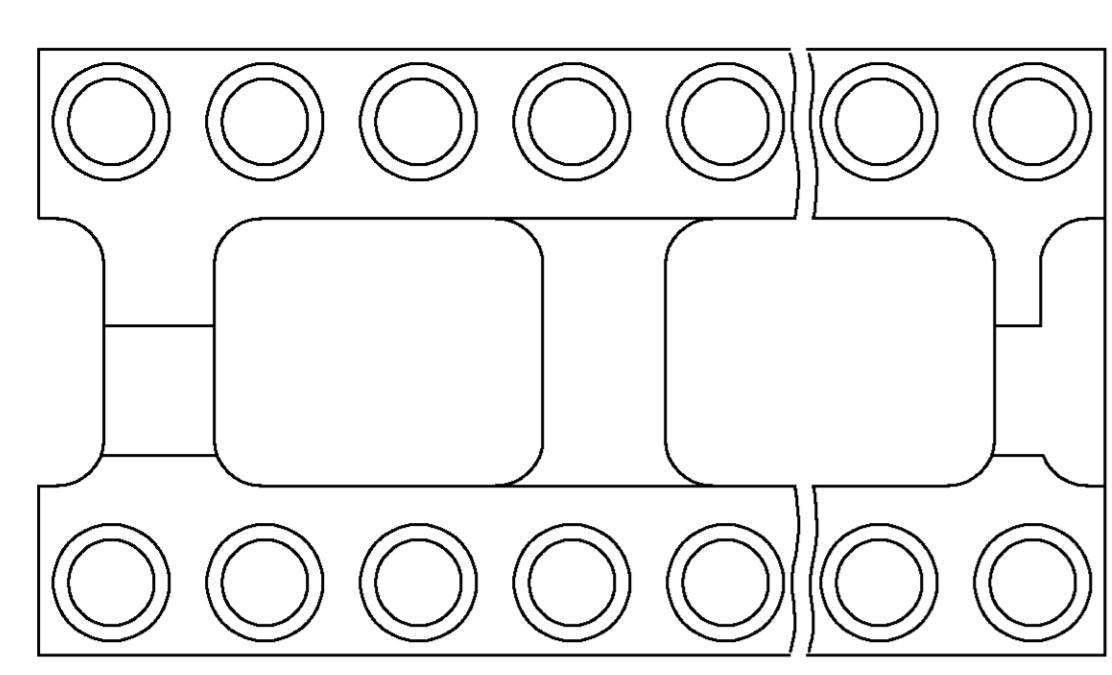


FIG. 1

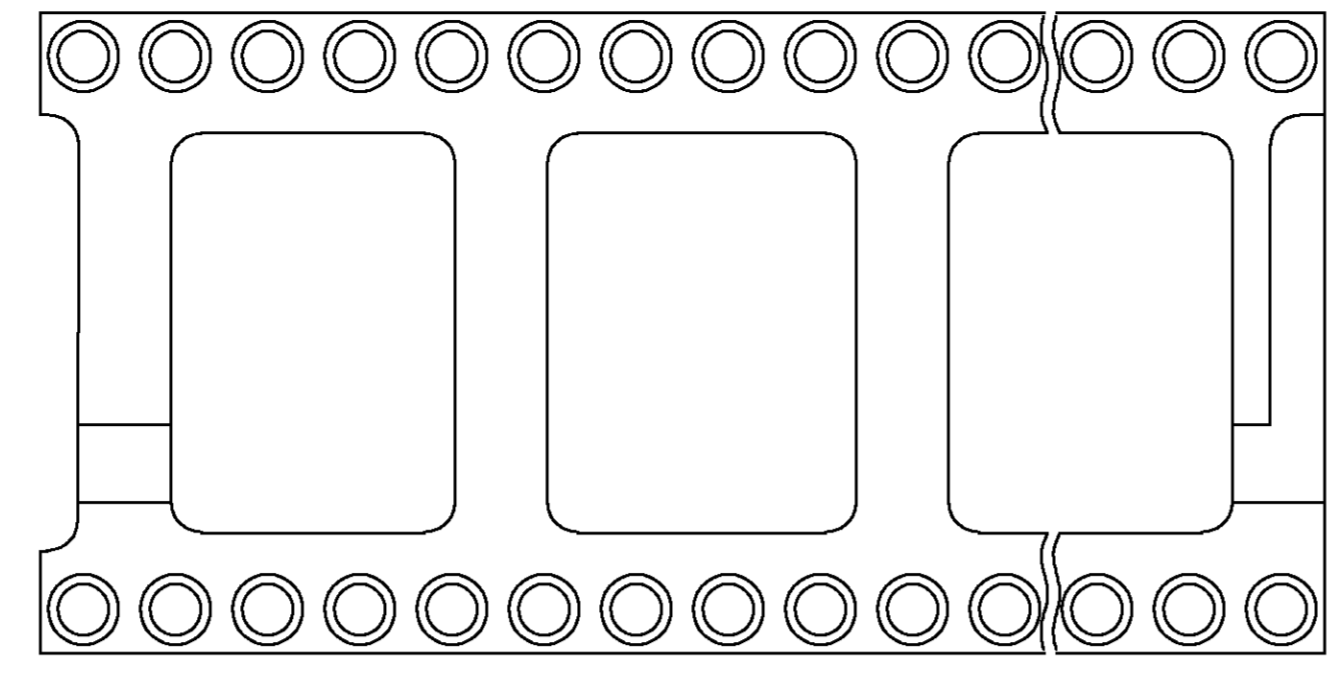


FIG. 2

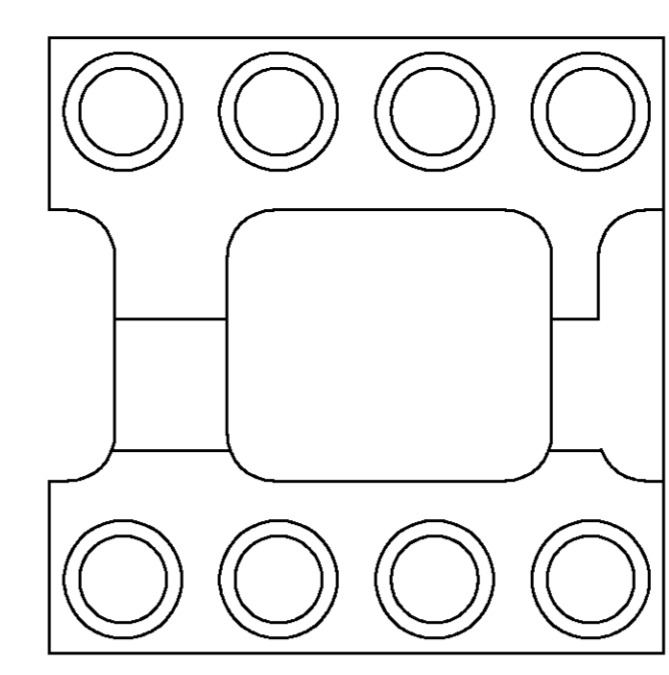
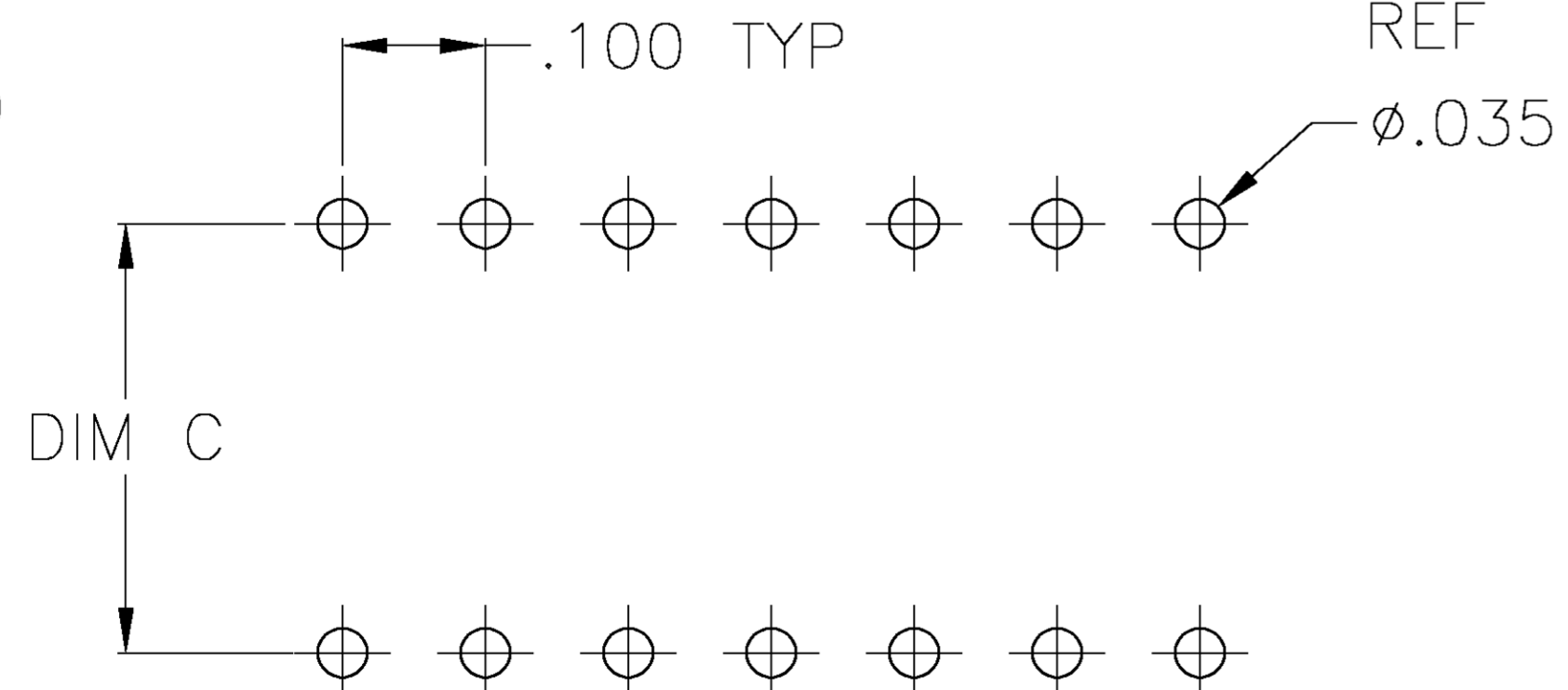
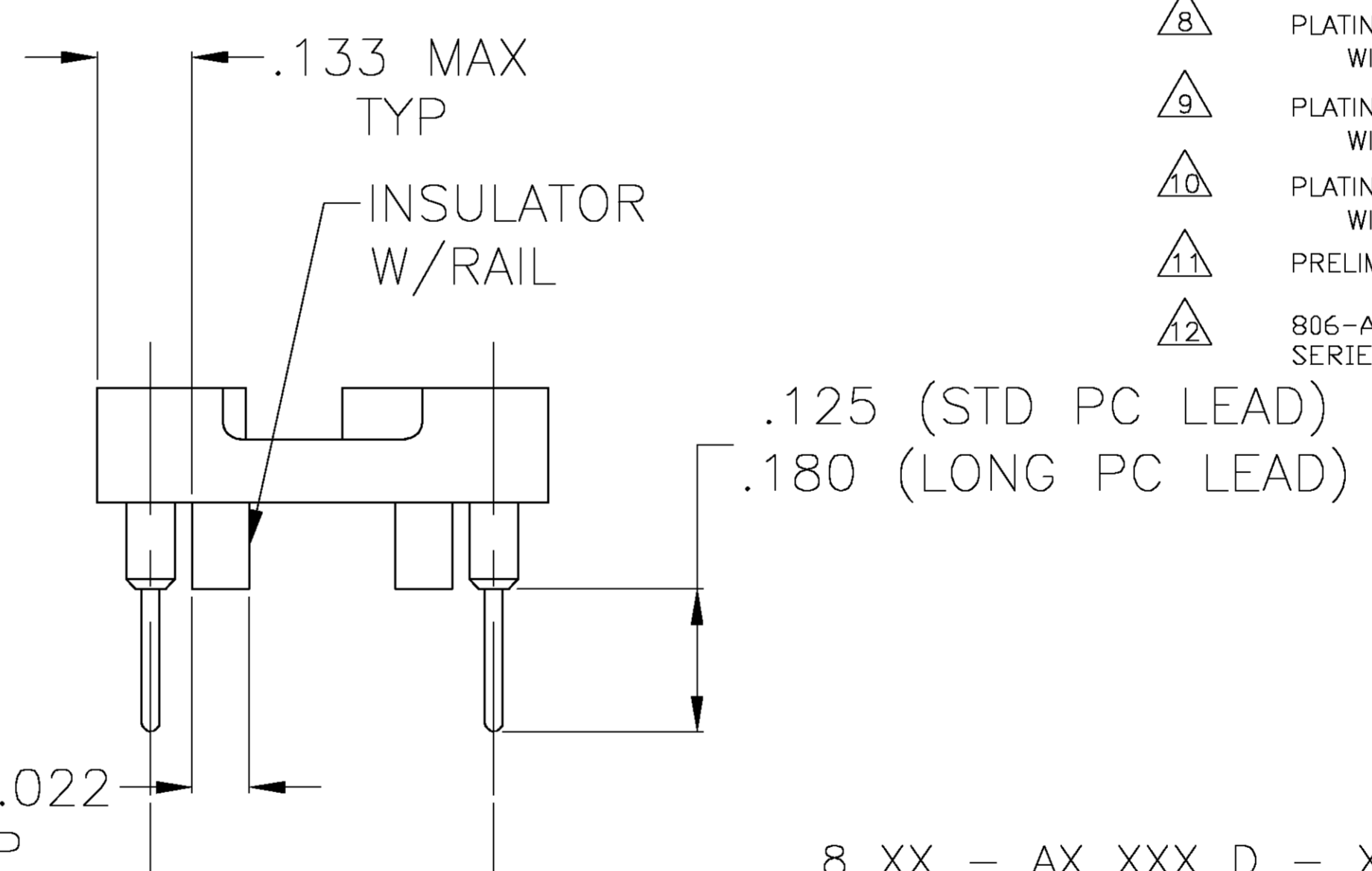
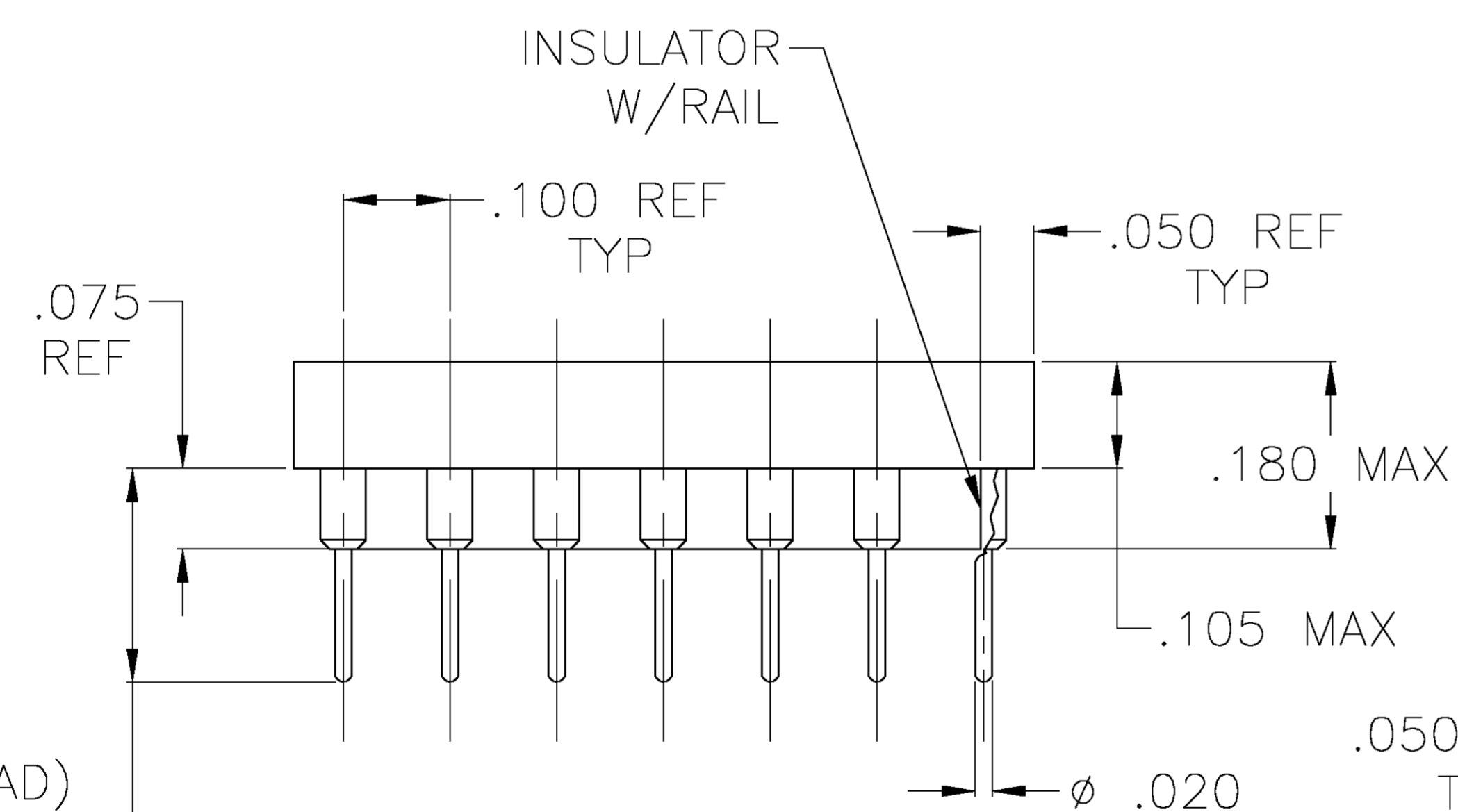
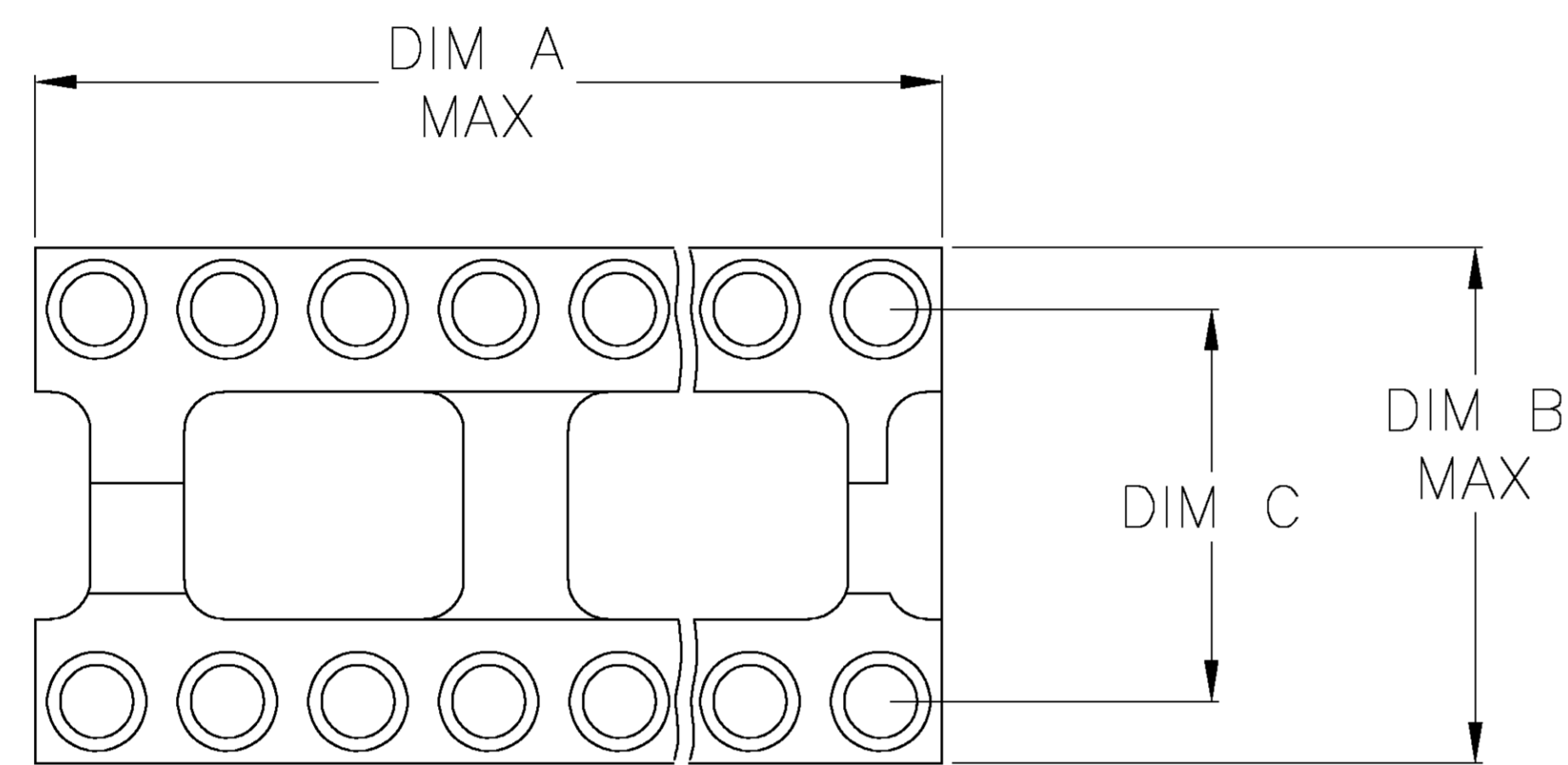


FIG. 3
(8 POS ONLY)



P.C.B. HOLE LAYOUT
TOLERANCE $\pm .003$

1 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

2 ELECTRICAL:
 CONTACT RESISTANCE: 10 MILLIOHMS MAX
 CONTACT RATING: 3 AMPS
 CAPACITANCE: 1.0 pF PER 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

3 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)

4 ENVIRONMENTAL:
 OPERATING TEMPERATURE: -55°C TO -105°C

5 PLATING: 25 μ MIN GOLD OVER 50 μ MIN NICKEL CONTACT WITH 5 μ MIN GOLD OVER 50 μ MIN NICKEL SLEEVE.

6 PLATING: 25 μ MIN GOLD OVER 50 μ MIN NICKEL CONTACT WITH 80 μ MIN TIN-LEAD OVER 50 μ MIN COPPER SLEEVE.

7 PLATING: 80 μ MIN TIN-LEAD OVER 75 μ MIN COPPER CONTACT WITH 180 μ MIN TIN-LEAD OVER 75 μ MIN NICKEL SLEEVE.

8 PLATING: 5 μ MIN GOLD FLASH OVER 50 μ MIN NICKEL CONTACT WITH 5 μ MIN GOLD FLASH OVER 50 μ MIN NICKEL SLEEVE.

9 PLATING: 5 μ MIN GOLD FLASH OVER 50 μ MIN NICKEL CONTACT WITH 80 μ MIN TIN-LEAD OVER 50 μ MIN COPPER SLEEVE.

10 PLATING: 7.5 μ MIN GOLD OVER 50 μ MIN NICKEL CONTACT WITH 80 μ MIN TIN-LEAD OVER 50 μ MIN COPPER SLEEVE.

11 PRELIMINARY PART - NOT RELEASED FOR PRODUCTION.

12 806-AGXXD-XXX SERIES IS SUPERSEDED BY 506-AGXXD-XXX SERIES (REFER TO CUSTOMER DRAWING 1437532-2)

8 XX - AX XXX D - XXX
 POSITIONS

BLANK = MACHINED CONTACT
 ES = FORMED CONTACT, GOLD PLATE, NOTE 1
 ESL = FORMED CONTACT, LOW GOLD PLATE, 5 μ IN MAX

D = PC TAIL STANDARD

LSG STYLE AND TAIL CONFIGURATION

AG = INSULATOR
 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.		DIN R BROWN 06MAY04	Tyco Electronics Corporation Harrisburg, Pa 17105-3608
DIMENSIONS: INCHES		CHK K WRIGHT 06MAY04	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD K WRIGHT 06MAY04	NAME: DIP SOCKET, 800 SERIES
0 PLC \pm -		PRODUCT SPEC	
1 PLC \pm -		APPLICATION SPEC	SIZE: A1
2 PLC \pm -		WEIGHT	CAGE CODE: 00779
3 PLC \pm .005		RESTRICTED TO	DRAWING NO: 1437539-2
4 PLC \pm -		CUSTOMER DRAWING	SCALE: 1:1
ANGLES \pm -		DATE: 07JUN04	SHEET: 1 OF 4
MATERIAL: -		FINISH: -	REV: A

800 SERIES MACHINED PREMIUM CONTACT PART NUMBER TABLE

COMMENTS	PLATING	C	B	A	FIG	AUGAT PART NO.	TYCO PART NO.
HIGH RETENTION	$\frac{6}{7}$	.895/.905	1.000	3.200	2	864-AG34D	5-1437538-4
-	$\frac{7}{6}$					864-AG12D	5-1437538-2
-	$\frac{6}{5}$					864-AG11D	4-1437538-8
-	$\frac{5}{6}$					864-AG10D	3-1437540-1
W/RAILS	$\frac{6}{7}$	.595/.605	.700	2.400	2	848-AR11D	4-1437538-6
HIGH RETENTION	$\frac{6}{7}$					848-AG34D	4-1437538-5
-	$\frac{7}{6}$					848-AG12D	4-1437538-4
-	$\frac{6}{5}$					848-AG11D	4-1437538-1
-	$\frac{5}{6}$					848-AG10D	3-1437538-9
-	$\frac{7}{6}$	.595/.605	.700	2.100	2	842-AG12D	3-1437538-8
-	$\frac{6}{5}$					842-AG11D	3-1437538-7
W/RAILS	$\frac{6}{7}$					840-AR11D	3-1437538-6
.180 PC LEAD	$\frac{6}{5}$					840-AG44D	3-1437538-5
.180 PC LEAD	$\frac{7}{6}$	.595/.605	.700	2.000	2	840-AG43D	3-1437538-4
HIGH RETENTION	$\frac{6}{7}$					840-AG34D	3-1437538-3
-	$\frac{7}{6}$					840-AG12D	3-1437538-2
-	$\frac{6}{5}$					840-AG11D	3-1437538-0
-	$\frac{5}{6}$	.595/.605	.700	1.800	2	840-AG10D	2-1437538-9
S/B 2-1437528-4	$\frac{6}{7}$					836-AG11D	2-1437538-7
HIGH RETENTION	$\frac{7}{6}$	.595/.605	.700	1.600	2	832-AR12D	9-1437533-7
HIGH RETENTION	$\frac{6}{7}$					832-AG38D	9-1437533-4
-	$\frac{7}{6}$					832-AG34D	2-1437538-5
-	$\frac{6}{5}$					832-AG12D	2-1437538-4
-	$\frac{7}{6}$					832-AG11D	2-1437538-2
-	$\frac{5}{6}$					832-AG10D	2-1437538-1
W/RAILS	$\frac{6}{7}$	.595/.605	.700	1.400	1	828-AR12D	6-1437538-9
W/RAILS	$\frac{6}{5}$					828-AR11D	1-1437538-6
.180 PC LEAD	$\frac{7}{6}$					828-AG44D	1-1437538-5
.180 PC LEAD	$\frac{6}{7}$					828-AG43D	1-1437538-4
HIGH RETENTION	$\frac{7}{6}$					828-AG34D	1-1437538-3
-	$\frac{6}{5}$					828-AG12D	1-1437538-0
-	$\frac{7}{6}$					828-AG11D	0-1437538-4
-	$\frac{6}{5}$					828-AG10D	0-1437538-3

W/RAILS	$\frac{6}{7}$	.295/.305	.400	1.200	1	824-AR31D	0-1437538-1
W/RAILS	$\frac{6}{6}$	.595/.605	.700	1.200	1	824-AR11D	9-1437537-9
-	$\frac{6}{6}$	.395/.405	.500	1.200	1	824-AG66D	9-1437537-8
.180 PC LEAD	$\frac{6}{6}$	.295/.305	.400	1.200	1	824-AG47D	9-1437537-7
.180 PC LEAD	$\frac{5}{7}$	.595/.605	.700	1.200	1	824-AG45D	6-1437538-6
.180 PC LEAD	$\frac{6}{7}$	.395/.405	.500	1.200	1	824-AG44D	9-1437537-6
HIGH RETENTION	$\frac{6}{6}$	.595/.605	.700	1.200	1	824-AG34D	9-1437537-5
HIGH RETENTION	$\frac{5}{6}$					824-AG33D	8-1437539-2
HIGH RETENTION	$\frac{7}{6}$					824-AG338D	9-1437537-4
HIGH RETENTION	$\frac{6}{6}$					824-AG334D	9-1437537-3
-	$\frac{7}{6}$	.295/.305	.400	1.200	1	824-AG32D	9-1437537-2
-	$\frac{6}{6}$					824-AG31D	8-1437537-9
-	$\frac{5}{6}$					824-AG30D	8-1437537-7
-	$\frac{7}{6}$	.395/.405	.500	1.200	1	824-AG14D	8-1437537-6
-	$\frac{7}{6}$					824-AG12D	8-1437537-5
-	$\frac{6}{6}$	.595/.605	.700	1.200	1	824-AG11D	8-1437537-2
-	$\frac{5}{6}$					824-AG10D	8-1437537-1
-	$\frac{6}{5}$	.295/.305	.400	1.100	1	822-AG11D	7-1437537-8
-	$\frac{5}{6}$					822-AG10D	7-1437537-7
W/RAILS	$\frac{6}{6}$					820-AR11D	7-1437537-6
.180 PC LEAD	$\frac{5}{6}$					820-AG45D	7-1437537-5
.180 PC LEAD	$\frac{6}{6}$	.295/.305	.400	1.000	1	820-AG44D	7-1437537-4
.180 PC LEAD	$\frac{7}{6}$					820-AG43D	7-1437537-3
HIGH RETENTION	$\frac{6}{6}$					820-AG34D	7-1437537-2
-	$\frac{7}{6}$					820-AG12D	6-1437537-9
-	$\frac{6}{6}$					820-AG11D	6-1437537-6
-	$\frac{5}{6}$					820-AG10D	6-1437537-4
.180 PC LEAD W/RAILS	$\frac{6}{6}$					818-AR44D	4-1437539-9
W/RAILS	$\frac{6}{6}$	.295/.305	.400	.900	1	818-AR11D	6-1437537-2
.180 PC LEAD	$\frac{6}{6}$					818-AG44D	6-1437537-1
HIGH RETENTION S/B 5-1437537-7	$\frac{7}{6}$					818-AG34D	5-1437538-8
-	$\frac{7}{6}$					818-AG12D	6-1437537-0
-	$\frac{6}{6}$					818-AG11D	5-1437537-7
-	$\frac{5}{6}$					818-AG10D	5-1437537-6
W/RAILS	$\frac{6}{6}$	.295/.305	.400	.800	1	816-AR11D	5-1437537-4
.180 PC LEAD	$\frac{5}{6}$					816-AG45D	5-1437537-3
.180 PC LEAD	$\frac{6}{6}$					816-AG44D	5-1437537-2
HIGH RETENTION	$\frac{6}{6}$					816-AG34D	5-1437537-1
HIGH RETENTION	$\frac{5}{6}$					816-AG33D	5-1437537-0
-	$\frac{7}{6}$					816-AG12D	4-1437537-6
-	$\frac{6}{6}$					816-AG11D	4-1437537-0
-	$\frac{5}{6}$					816-AG10D	3-1437537-7
.180 PC LEAD, W/RAILS S/B 3-1437537-3	$\frac{6}{6}$	.295/.305	.400	.700	1	814-AR44D	5-1437533-2
W/RAILS	$\frac{6}{6}$					814-AR11D	3-1437537-5
.180 PC LEAD	$\frac{5}{6}$					814-AG45D	3-1437537-4
.180 PC LEAD	$\frac{6}{6}$					814-AG44D	3-1437537-3
.180 PC LEAD	$\frac{7}{6}$					814-AG34D	3-1437537-2
HIGH RETENTION	$\frac{6}{6}$					814-AG43D	3-1437537-1
-	$\frac{7}{6}$					814-AG12D	2-1437537-9
-	$\frac{6}{6}$					814-AG11D	2-1437537-4
-	$\frac{5}{6}$					814-AG10D	2-1437537-1
W/RAILS	$\frac{6}{6}$	.295/.305	.400	.400	3	808-AR11D	1-1437537-9
.180 PC LEAD	$\frac{5}{6}$					808-AG45D	1-1437537-8
.180 PC LEAD	$\frac{6}{6}$					808-AG44D	1-1437537-7
.180 PC LEAD	$\frac{7}{6}$					808-AG43D	1-1437537-5
HIGH RETENTION	$\frac{6}{6}$					808-AG34D	1-1437537-4
-	$\frac{7}{6}$					808-AG12D	1-1437537-2
-	$\frac{6}{6}$					808-AG11D	0-1437537-8
-	$\frac{5}{6}$					808-AG10D	0-1437537-5
$\frac{12}{12}$ S/B 6-1437529-8	$\frac{6}{6}$	.295/.305	.400	.300	-	806-AG11D	2-1437533-5
$\frac{12}{12}$ SUPERSEDED BY 6-1437529-5	$\frac{5}{6}$					806-AG10D	2-1437533-3

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES
 TOLERANCES UNLESS OTHERWISE SPECIFIED:
 0 PLC ± -
 1 PLC ± -
 2 PLC ± -
 3 PLC ± .005
 4 PLC ± -
 ANGLES ± -

MATERIAL: - FINISH: -

APPROVED: K. WRIGHT
 DATE: 06MAY04
 NAME: DIP SOCKET, 800 SERIES

TYCO Electronics
 Tyco Electronics Corporation
 Harrisburg, Pa 17105-3608

SIZE: A1
 CASE CODE: 00779
 DRAWING NO: 1437539-2
 WEIGHT: -
 CUSTOMER DRAWING: -

RESTRICTED TO: -
 SCALE: 1:1
 SHEET: 2 OF 4
 REV: A

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

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

1800 SERIES MACHINED PREMIUM CONTACT, LOW GOLD PART NUMBER TABLE

S/B 5-1437538-0	△ ₁₀	.895/.905	1.000	3.200	2	1864-AG111D	5-1437529-1
S/B 6-1437540-2 W/RAILS	△ ₁₀	.595/.605	.700	2.400	2	1848-AR111D	5-1437529-0
S/B 4-1437538-2	△ ₁₀	.595/.605	.700	2.100	2	1848-AG111D	4-1437529-9
S/B 2-1437540-4	△ ₁₀	.595/.605	.700	2.100	2	1842-AG111D	4-1437529-8
S/B 2-1437540-2 W/RAILS	△ ₁₀	.595/.605	.700	2.000	2	1840-AR111D	4-1437529-7
S/B 1-1437540-7	△ ₁₀	.595/.605	.700	2.000	2	1840-AG111D	4-1437529-6
S/B 1437540-3	△ ₁₀	.595/.605	.700	1.600	2	1832-AG111D	4-1437529-5
S/B 9-1437539-7 W/RAILS	△ ₁₀	.595/.605	.700	1.400	1	1828-AR111D	4-1437529-4
S/B 9-1437539-2	△ ₁₀	.595/.605	.700	1.400	1	1828-AG111D	4-1437529-3
S/B 3-1437540-9 W/RAILS	△ ₁₀	.295/.305	.400	1.200	1	1824-AR131D	4-1437529-2
S/B 8-1437539-6 W/RAILS	△ ₁₀	.595/.605	.700	1.200	1	1824-AR111D	4-1437529-1
S/B 8-1437539-4	△ ₁₀	.395/.405	.500	1.200	1	1824-AG141D	4-1437529-0
S/B 7-1437539-7	△ ₁₀	.295/.305	.400	1.200	1	1824-AG131D	3-1437529-9
S/B 7-1437539-0	△ ₁₀	.595/.605	.700	1.200	1	1824-AG111D	3-1437529-8
S/B 6-1437539-3	△ ₁₀	.395/.405	.500	1.100	1	1822-AG111D	3-1437529-7
S/B 5-1437539-8 W/RAILS	△ ₁₀	.295/.305	.400	1.000	1	1820-AR111D	3-1437529-6
S/B 5-1437539-3	△ ₁₀	.295/.305	.400	1.000	1	1820-AG111D	0-1437537-3
S/B 4-1437539-8 W/RAILS	△ ₁₀	.295/.305	.400	.900	1	1818-AR111D	3-1437529-5
S/B 4-1437539-4	△ ₁₀	.295/.305	.400	.900	1	1818-AG111D	3-1437529-3
S/B 3-1437539-5 W/RAILS	△ ₁₀	.295/.305	.400	.800	1	1816-AR111D	3-1437529-2
S/B 2-1437539-9	△ ₁₀	.295/.305	.400	.800	1	1816-AG111D	3-1437529-1
S/B 2-1437539-3 W/RAILS	△ ₁₀	.295/.305	.400	.700	1	1814-AR111D	3-1437529-0
S/B 1-1437539-7	△ ₁₀	.295/.305	.400	.700	1	1814-AG111D	2-1437529-9
S/B 1-1437539-1 W/RAILS	△ ₁₀	.295/.305	.400	.400	3	1808-AR111D	2-1437529-6
S/B 1437539-6	△ ₁₀	.295/.305	.400	.300		1808-AG111D	2-1437529-5
S/B 1437535-8	△ ₁₀	.295/.305	.400	.300		1806-AG111D	0-1437535-2

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± .005	1 PLC ± .005	2 PLC ± .005	3 PLC ± .005	4 PLC ± .005	ANGLES ± .005
MATERIAL	FINISH	WEIGHT	SIZE	CAGE CODE	DRAWING NO.	RESTRICTED TO	
-	-	-	A1	00779	1437539-2	-	

DIN R BROWN DEMAYD4
 CHK K WRIGHT DEMAYD4
 APVD K WRIGHT DEMAYD4
 PRODUCT SPEC
 APPLICATION SPEC
 Tyco Electronics Corporation
 Harrisburg, Pa 17105-3508
 NAME
 DIP SOCKET, 800 SERIES
 SCALE 1:1 SHEET 4 OF 4 REV A
 CUSTOMER DRAWING