



PLATED-THROUGH-HOLE REQUIREMENTS
 SCALE 25:1

- 1 BERYLLIUM COPPER PER ATSM B197.
- 2 .000635 [.000025] MIN. GOLD OVER .001270 [.000050] MIN. NICKEL.
- 3 .000762 [.000030] MIN. GOLD OVER .001270 [.000050] MIN. NICKEL.
- 4 .002032 [.000080] MIN. MATTE TIN-LEAD OVER .001905 [.000075] MIN. COPPER.
- 5 QUALIFIED TO MILITARY SPECIFICATION MIL-DTL-83805/6
- 6 ROUND LEAD DIAMETER 0.41-0.53 [.016-.021].
- 7 ROUND LEAD DIAMETER 0.51-0.76 [.020-.030].
- 8 ROUND LEAD DIAMETER 0.64-0.89 [.025-.035].
- 9 ROUND LEAD DIAMETER 0.89-1.14 [.035-.045].
- 10 RECTANGULAR LEAD SIZE 0.28X0.46±0.05 [.011X.018±.002].
- 11 RECTANGULAR LEAD SIZE 0.64 SQ. [.025 SQ.].
- 12 LOW INSERTION/WITHDRAWAL FORCE PRODUCT.
- 13 NOMINAL DRILL SIZE FOR PRIMARY HOLE.
- 14 FINISHED HOLE DIAMETER.
- 15 PLATED-THRU HOLE FINISH: 0.0076-0.0127 [.0003-.0005] TIN-LEAD OVER 0.001 [.0254] MIN. COPPER
- 16 MINIMUM THICKNESS FOR THE CIRCUIT BOARD.
- 17 OVERSIZED PRODUCT- FOR USE WHEN THE FINISHED HOLE DIAMETER EXCEEDS 1.15 [.0453] BY 0.05 [.002] OR LESS.
- 18 THESE PRODUCTS ARE BULK PACKAGED.
- 19 .002032 [.000080] MIN. MATTE TIN (LEAD FREE) OVER .001905 [.000075] MIN COPPER
- 20 PRELIMINARY PART, NOT RELEASED FOR PRODUCTION.
- 21 .0046 [.000180] MIN TIN

0.76 [.030]	1.07 [.042]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	10,000	8 11	-	4	8134-HC-8P3	2-1437506-8	
0.76 [.030]	.097 [.038]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	10,000	7	-	4	8134-HC-8P2	2-1437506-7	
0.76 [.030]	0.66 [.026]	1.118 [.0440]	2.39 [.094]	2.54 [.100]	1.04 [.041]	1.15 [.0453]	10,000	6 10	-	4	8134-HC-5P3	2-1437506-1	
0.76 [.030]	0.74 [.029]	1.168 [.0460]	2.39 [.094]	2.54 [.100]	1.09 [.043]	1.150 [.0453]	10,000	6 10	-	4	8134-HC-5P2	2-1437506-0	
1.27 [.050]	1.32 [.052]	2.184 [.0860]	3.96 [.156]	4.06 [.160]	2.08 [.082]	2.22 [.0875]	10,000	9	-	4	8134-HC-14P3	1-1437506-7	
0.76 [.030]	1.07 [.042]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	50,000	8 11	-	4	8134-HC-14P2	1-1437506-6	
0.76 [.030]	0.66 [.026]	1.118 [.0440]	2.39 [.094]	2.54 [.100]	1.04 [.041]	1.15 [.0453]	50,000	6 10	-	4	8134-HC-12P3	1-1437506-4	
0.76 [.030]	0.74 [.029]	1.168 [.0460]	2.39 [.094]	2.54 [.100]	1.09 [.043]	1.150 [.0453]	50,000	6 10	-	2	8134-HC-12P2	1-1437506-3	
0.76 [.030]	1.07 [.042]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	50,000	8 11	-	9	8134-HC-8P3LF	8-1437514-8 20	
0.76 [.030]	0.66 [.026]	1.118 [.0440]	2.39 [.094]	2.54 [.100]	1.04 [.041]	1.15 [.0453]	50,000	6 10	-	4	8134-HC-27P4	6-1437514-5 12	
0.76 [.030]	0.74 [.029]	1.168 [.0460]	2.39 [.094]	2.54 [.100]	1.09 [.043]	1.150 [.0453]	50,000	6 10	-	2	8134-HC-27P3	147699-4 12	
1.27 [.050]	1.32 [.052]	2.184 [.0860]	3.96 [.156]	4.06 [.160]	2.08 [.082]	2.22 [.0875]	50,000	9	-	2	8134-HC-14P3	6-1437514-2	
0.76 [.030]	1.07 [.042]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	50,000	8 11	-	4	8134-HC-14P2	6-1437514-1	
0.76 [.030]	0.66 [.026]	1.118 [.0440]	2.39 [.094]	2.54 [.100]	1.04 [.041]	1.15 [.0453]	50,000	6 10	-	4	8134-HC-12P3	6-1437514-0	
0.76 [.030]	0.74 [.029]	1.168 [.0460]	2.39 [.094]	2.54 [.100]	1.09 [.043]	1.150 [.0453]	50,000	6 10	-	19	8134-HC-12P3LF	8-1437514-9 20	
0.76 [.030]	1.07 [.042]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	50,000	8 11	-	3	M83505/6-004/5	7-1437514-9 5	
0.76 [.030]	0.66 [.026]	1.118 [.0440]	2.39 [.094]	2.54 [.100]	1.04 [.041]	1.15 [.0453]	50,000	6 10	-	2	8134-HC-12P2	5-1437514-9	
0.76 [.030]	1.07 [.042]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	50,000	8 11	-	4	8134-HC-8P3	7-1437514-1	
0.76 [.030]	0.66 [.026]	1.118 [.0440]	2.39 [.094]	2.54 [.100]	1.04 [.041]	1.15 [.0453]	50,000	6 10	-	3	M83505/6-003/5	M8134-HC-12P2	7-1437514-2 5
0.76 [.030]	1.07 [.042]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	50,000	8 11	-	2	8134-HC-8P2	7-1437514-0	
0.76 [.030]	0.66 [.026]	1.118 [.0440]	2.39 [.094]	2.54 [.100]	1.04 [.041]	1.15 [.0453]	50,000	6 10	-	19	8134-HC-6P3LF	9-1437514-1	
0.76 [.030]	1.07 [.042]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	50,000	8 11	-	4	8134-HC-6P3	6-1437514-9	
0.76 [.030]	0.66 [.026]	1.118 [.0440]	2.39 [.094]	2.54 [.100]	1.04 [.041]	1.15 [.0453]	50,000	6 10	-	3	M83505/6-002/5	M8134-HC-6P2	8-1437514-1 5
0.76 [.030]	1.07 [.042]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	50,000	8 11	-	2	8134-HC-6P2	6-1437514-8	
0.76 [.030]	0.66 [.026]	1.118 [.0440]	2.39 [.094]	2.54 [.100]	1.04 [.041]	1.15 [.0453]	50,000	6 10	-	19	8134-HC-5P3LF	9-1437514-0	
0.76 [.030]	1.07 [.042]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	50,000	8 11	-	4	8134-HC-5P2	6-1437514-7	
0.76 [.030]	0.66 [.026]	1.118 [.0440]	2.39 [.094]	2.54 [.100]	1.04 [.041]	1.15 [.0453]	50,000	6 10	-	3	M83505/6-001/5	M8134-HC-5P2	8-1437514-0 5
0.76 [.030]	1.07 [.042]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	50,000	8 11	-	2	8134-HC-5P2	6-1437514-6	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: TOLERANCES UNLESS OTHERWISE SPECIFIED:
 0 PL ± -
 1 PL ± -
 2 PL ± 0.13 [.005]
 3 PL ± -
 4 PL ± -
 ANGLES ± -

MATERIAL: FINISH: SEE TABLE

THIS DRAWING IS A CONTROLLED DOCUMENT. DWN M. BINNER 16MAY01
 CHK J. MOSIER
 NAME: Tyco Electronics Corporation
 Harriburg, Pa

PRODUCT SPEC: 108-1979
 APPLICATION SPEC: 114-13033

SIZE: A1
 CASE CODE: 00779
 DRAWING NO: 147699
 RESTRICTED TO: -

WEIGHT: -
 CUSTOMER DRAWING: -
 SCALE: NTS
 SHEET: 1 OF 1
 REV: G