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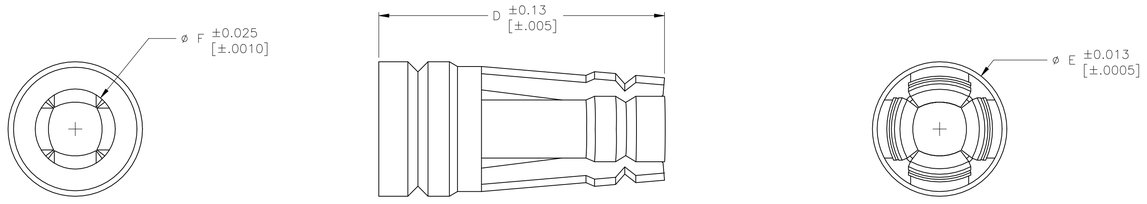
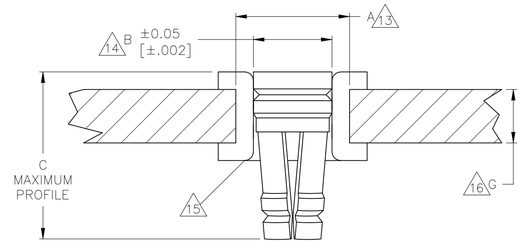
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	D	REVISED PER ECR-22-131419	22MAR2022	BTV	KJ





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-83505/6
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
22. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI
23. .002032 [.000080] MIN. MATTE TIN (LEAD FREE) OVER .001270 [.000050] MIN NICKEL
24. .002032 [.000080] MIN. MATTE TIN-LEAD OVER .001270 [.000050] MIN. COPPER.

G	F	E	D	C	B	A	PACKAGE QUANTITY 18	RECOMMENDED LEAD SIZE	MILITARY PART NUMBER	FINISH	AUGAT PART NUMBER (REF)	PART NUMBER
0.76 [.030]	0.66 [.026]	1.133 MAX	2.39 [.094]	2.54 [.100]	1.04 [.041]	1.15 [.0453]	50,000	6 10	M83505/6-001 5	3	M8134-HC-5P2	8-1437514-0 5
0.76 [.030]	1.07 [.042]	1.610 MAX	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]	.097 [.038]	1.610 MAX	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	50,000	7	–	23	8134-HC-6P3LF	9-1437514-1
									–	4	8134-HC-6P3	6-1437514-9
1.27 [.050]	1.32 [.052]	2.207 MAX	3.96 [.156]	4.06 [.160]	2.08 [.082]	2.22 [.0875]	50,000	9	–	4	8134-HC-12P3	6-1437514-0
									–	19	8134-HC-12P3LF	8-1437514-9 20
0.76 [.030]	0.66 [.026]	1.138 MAX	2.39 [.094]	2.54 [.100]	1.04 [.041]	1.15 [.0453]	50,000	6 10	–	23	8134-HC-5P3LF	9-1437514-0
									–	24	8134-HC-5P3	6-1437514-7
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
									–	2	8134-HC-8P2	2-1437506-7
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-6P3~~	~~2-1437506-5~~ 22
									–	2	8134-HC-6P2	2-1437506-4
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
									–	2	8134-HC-5P2	2-1437506-0
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-14P3	1-1437506-7
									–	2	8134-HC-14P2	1-1437506-6
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-12P3	1-1437506-4
									–	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	–	19	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
									–	2	~~8134-HC-27P3~~	~~147699-4~~ 12
0.76 [.030]	0.74 [.029]	1.168 [.0460]	2.39 [.094]	2.54 [.100]	1.09 [.043]	17	50,000	6 10	–	21	8134-HC-14P3	6-1437514-2
									–	2	8134-HC-14P2	6-1437514-1
1.27 [.050]	1.32 [.052]	2.184 [.0860]	3.96 [.156]	4.06 [.160]	2.08 [.082]	2.22 [.0875]	50,000	9	M83505/6-004 5	3	M8134-HC-12P2	7-1437514-9 5
									–	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	M83505/6-003 5	3	M8134-HC-8P2	8-1437514-2 5
									–	2	8134-HC-8P2	7-1437514-0
0.76 [.030]	.097 [.038]	1.588 [.0625]	3.45 [.136]	3.56 [.140]	1.47 [.058]	1.61 [.0635]	50,000	7	M83505/6-002 5	3	M8134-HC-6P2	8-1437514-1 5
									–	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	–	2	8134-HC-5P2	6-1437514-6

22 OBSOLETE

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± 0.13[.005]
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL 1

FINISH –

DWN M.BINNER 16MAY01
CHK J.MOSIER –
APVD – –
PRODUCT SPEC 108-1979
APPLICATION SPEC 114-13033
WEIGHT 0.000000

TE Connectivity

NAME HOLTITE CONTACTS

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-147699	–

CUSTOMER DRAWING | SCALE NTS | SHEET 1 OF 1 | REV D