

ECN/PCN No.: 4615

For Manufacturer			
Product Description: Half Size DIP Low Voltage Crystal clock oscillator	Abrakon Part Number / Part Series: ACH series	☐ Documentation only ☒ ECN ☐ EOL	☒ Series ☐ Part Number
Affected Revision: M	New Revision: N	Application:	☐ Safety ☒ Non-Safety
Prior to Change: Internal Assembly: Plating on Resonator type			
After Change: Internal Assembly: Ceramic SMD mount type			
Cause/Reason for Change: Change of internal assembly type. No form, fit, or function change. No affect on external mechanical dimensions or electrical specifications.			
Change Plan			
Effective Date: 3/24/2023	Additional Remarks:		
Change Declaration:			
Issued Date: 3/24/2023	Issued By:	Issued Department:	
Approval:	Approval:	Approval:	
For Abracon EOL only			
Last Time Buy (if applicable): N/A	Alternate Part Number / Part Series: N/A		
Additional Approval:	Additional Approval:	Additional Approval:	
Customer Approval (If Applicable)			
Qualification Status: ☐ Approved ☐ Not accepted <i>Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.</i>			
Customer Part Number:		Customer Project:	
Company Name:	Company Representative:	Representative Signature:	
Customer Remarks:			

Brand	Affected PN	Series
Abracon	ACH-1.0486MHZ	ACH
Abracon	ACH-1.072MHZSV100.	ACH
Abracon	ACH-1.19318MHZ-A	ACH
Abracon	ACH-1.544MHZ	ACH
Abracon	ACH-1.544MHZ-C	ACH
Abracon	ACH-1.544MHZ-ERSA	ACH
Abracon	ACH-1.544MHZ-L-K-S-G	ACH
Abracon	ACH-1.544MHZ-R	ACH
Abracon	ACH-1.544MHZ-RA	ACH
Abracon	ACH-1.544MHZ-RAG	ACH
Abracon	ACH-1.8432MHZ	ACH
Abracon	ACH-1.8432MHZ-A	ACH
Abracon	ACH-1.8432MHZ-ALS	ACH
Abracon	ACH-1.8432MHZ-S	ACH
Abracon	ACH-1.9653MHZ-A	ACH
Abracon	ACH-10.000MHZ	ACH
Abracon	ACH-10.000MHZ-A-50	ACH
Abracon	ACH-10.000MHZ-DJSA	ACH
Abracon	ACH-10.000MHZ-EK	ACH
Abracon	ACH-10.000MHZ-G	ACH
Abracon	ACH-10.000MHZ-J	ACH
Abracon	ACH-10.000MHZ-L	ACH
Abracon	ACH-10.000MHZ-LA	ACH
Abracon	ACH-10.000MHZ-NA-50	ACH
Abracon	ACH-10.240MHZ-C	ACH
Abracon	ACH-10.240MHZ-CA	ACH
Abracon	ACH-10.240MHZ-CA-TY	ACH
Abracon	ACH-10.240MHZ-RTA	ACH
Abracon	ACH-10.368MHZ	ACH
Abracon	ACH-10.48576MHZ-A	ACH
Abracon	ACH-100.000KHZ-DJS	ACH
Abracon	ACH-100.000MHZ	ACH
Abracon	ACH-100.000MHZ-EC	ACH
Abracon	ACH-100.000MHZ-RSA	ACH
Abracon	ACH-100.000MHZ-TY	ACH
Abracon	ACH-102-12.500MHZ	ACH
Abracon	ACH-104.000MHZ-SA	ACH
Abracon	ACH-106.250MHZ-CSA	ACH
Abracon	ACH-106.250MHZ-LR	ACH
Abracon	ACH-107.500MHZ-A	ACH
Abracon	ACH-11.0592MHZ-C	ACH
Abracon	ACH-11.0592MHZ-EK	ACH
Abracon	ACH-11.059MHZ	ACH
Abracon	ACH-11.059MHZ-SA	ACH
Abracon	ACH-11.2896MHZ	ACH

Abracon	ACH-11.2896MHZ-JA	ACH
Abracon	ACH-11.2896MHZ-LR	ACH
Abracon	ACH-11.520MHZ	ACH
Abracon	ACH-11.520MHZ-A	ACH
Abracon	ACH-11.550MHZ	ACH
Abracon	ACH-110.000MHZ-EK	ACH
Abracon	ACH-12.000MHZ	ACH
Abracon	ACH-12.000MHZ-AG	ACH
Abracon	ACH-12.000MHZ-EK	ACH
Abracon	ACH-12.000MHZ-GT	ACH
Abracon	ACH-12.288MHZ	ACH
Abracon	ACH-12.288MHZ-E	ACH
Abracon	ACH-12.288MHZ-EK	ACH
Abracon	ACH-12.288MHZ-G	ACH
Abracon	ACH-12.288MHZ-YA	ACH
Abracon	ACH-12.352MHZ-L-C	ACH
Abracon	ACH-12.352MHZ-LCS	ACH
Abracon	ACH-12.352MHZ-R	ACH
Abracon	ACH-12.500MHZ	ACH
Abracon	ACH-12.500MHZ-A-50	ACH
Abracon	ACH-12.544MHZ-J	ACH
Abracon	ACH-12.800MHZ-A	ACH
Abracon	ACH-128.000MHZ-SA	ACH
Abracon	ACH-13.000MHZ-JA	ACH
Abracon	ACH-13.1072MHZ-A	ACH
Abracon	ACH-13.172MHZ-A	ACH
Abracon	ACH-13.440MHZ-CG	ACH
Abracon	ACH-14.099MHZ-DJS-A50	ACH
Abracon	ACH-14.280MHZ-A	ACH
Abracon	ACH-14.31818MHZ	ACH
Abracon	ACH-14.31818MHZ-A	ACH
Abracon	ACH-14.31818MHZ-DJSA	ACH
Abracon	ACH-14.31818MHZ-EJS	ACH
Abracon	ACH-14.31818MHZ-EK	ACH
Abracon	ACH-14.31818MHZ-TRM	ACH
Abracon	ACH-14.7456MHZ	ACH
Abracon	ACH-14.7456MHZ-ER	ACH
Abracon	ACH-144-34.368MHZ	ACH
Abracon	ACH-146-19.440MHZ	ACH
Abracon	ACH-15.360MHZ-A	ACH
Abracon	ACH-15.360MHZ-C	ACH
Abracon	ACH-15.360MHZ-R	ACH
Abracon	ACH-15.380MHZ	ACH
Abracon	ACH-152-42.7309MHZ	ACH
Abracon	ACH-155-44.736MHZ	ACH
Abracon	ACH-157-100.000MHZ	ACH

Abracon	ACH-159-44.736MHZ	ACH
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Abracon	ACH-16.000MHZ-A-50	ACH
Abracon	ACH-16.000MHZ-C-A-T	ACH
Abracon	ACH-16.000MHZ-DCS	ACH
Abracon	ACH-16.000MHZ-EC	ACH
Abracon	ACH-16.000MHZ-EK	ACH
Abracon	ACH-16.000MHZ-F	ACH
Abracon	ACH-16.000MHZ-L-R-S-50	ACH
Abracon	ACH-16.000MHZ-LC	ACH
Abracon	ACH-16.000MHZ-LYS	ACH
Abracon	ACH-16.000MHZ-RS	ACH
Abracon	ACH-16.000MHZ-S	ACH
Abracon	ACH-16.384MHZ	ACH
Abracon	ACH-16.384MHZ-E-R-S-A	ACH
Abracon	ACH-16.384MHZ-G	ACH
Abracon	ACH-16.384MHZ-R	ACH
Abracon	ACH-16.384MHZ-S	ACH
Abracon	ACH-16.500MHZ-RSA	ACH
Abracon	ACH-16.9344MHZ	ACH
Abracon	ACH-167-12.288MHZ	ACH
Abracon	ACH-168-11.2896MHZ	ACH
Abracon	ACH-17.500MHZ-S	ACH
Abracon	ACH-17.734475MHZ	ACH
Abracon	ACH-170-40.960MHZ	ACH
Abracon	ACH-171-17.47998MHZ	ACH
Abracon	ACH-174-20.000MHZ	ACH
Abracon	ACH-175-16.384MHZ	ACH
Abracon	ACH-176-20.000MHZ	ACH
Abracon	ACH-178-3.6864MHZ	ACH
Abracon	ACH-179-1.544MHZ	ACH
Abracon	ACH-179-1.544MHZ-T	ACH
Abracon	ACH-18.109MHZ-DJS-A50	ACH
Abracon	ACH-18.432MHZ	ACH
Abracon	ACH-18.432MHZ-CS	ACH
Abracon	ACH-18.432MHZ-DC	ACH
Abracon	ACH-18.432MHZ-EK	ACH
Abracon	ACH-18.8696MHZ-A	ACH
Abracon	ACH-180.000MHZ-EJS	ACH
Abracon	ACH-19.200MHZ-L-C	ACH
Abracon	ACH-19.200MHZ-LISA	ACH
Abracon	ACH-19.200MHZ-LRS	ACH
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Abracon	ACH-19.440MHZ	ACH
Abracon	ACH-19.440MHZ-CS	ACH

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Abracon	ACH-19.440MHZ-RA	ACH
Abracon	ACH-19.440MHZ-RAG	ACH
Abracon	ACH-19.440MHZ-RSAG	ACH
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Abracon	ACH-2.048MHZ-LR	ACH
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Abracon	ACH-21.500MHZ-A-50	ACH
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Abracon	ACH-22.000MHZ-LR	ACH

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Abracon	ACH-34.368MHZ-J	ACH
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Abracon	ACH-38.880MHZ-SAG	ACH
Abracon	ACH-38.880MHZ-T1A	ACH
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Abracon	ACH-39.3216MHZ	ACH
Abracon	ACH-39.936MHZ	ACH

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Abracon	ACH-4.000MHZ-EJS1	ACH
Abracon	ACH-4.000MHZ-EK	ACH
Abracon	ACH-4.000MHZ-L	ACH
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Abracon	ACH-40.680MHZ-LR	ACH
Abracon	ACH-40.7443MHZ-ASY	ACH
Abracon	ACH-40.960MHZ-R-A	ACH
Abracon	ACH-41.660MHZ	ACH
Abracon	ACH-42.000MHZ	ACH
Abracon	ACH-42.000MHZ-E-C-A-Q25	ACH
Abracon	ACH-42.650MHZ	ACH
Abracon	ACH-42.954MHZ	ACH
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Abracon	ACH-44.736MHZ-CS	ACH
Abracon	ACH-44.736MHZ-EJSA	ACH
Abracon	ACH-44.736MHZ-J	ACH
Abracon	ACH-44.736MHZ-JSAG	ACH

Abracon	ACH-44.736MHZ-KA	ACH
Abracon	ACH-44.928MHZ-JS1-A	ACH
Abracon	ACH-45.000MHZ-A	ACH
Abracon	ACH-45.1584MHZ	ACH
Abracon	ACH-45.1584MHZ-EC	ACH
Abracon	ACH-45.158MHZ-EC	ACH
Abracon	ACH-48.000MHZ	ACH
Abracon	ACH-48.000MHZ-A	ACH
Abracon	ACH-48.000MHZ-EK	ACH
Abracon	ACH-48.000MHZ-L-C-S	ACH
Abracon	ACH-48.000MHZ-N-C-S-A-50-Q15	ACH
Abracon	ACH-48.384MHZ-LK	ACH
Abracon	ACH-48.636MHZ-CSL	ACH
Abracon	ACH-49.098MHZ	ACH
Abracon	ACH-49.152MHZ	ACH
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Abracon	ACH-5.6448MHZ	ACH
Abracon	ACH-5.6448MHZ-C	ACH
Abracon	ACH-50.000MHZ	ACH
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Abracon	ACH-50.000MHZ-C	ACH
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Abracon	ACH-50.000MHZ-CSG	ACH
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Abracon	ACH-50.000MHZ-ECS-50	ACH
Abracon	ACH-50.000MHZ-ECSA	ACH
Abracon	ACH-50.000MHZ-EK	ACH
Abracon	ACH-50.000MHZ-LCS	ACH
Abracon	ACH-50.000MHZ-LCSA	ACH
Abracon	ACH-50.000MHZ-Y	ACH
Abracon	ACH-50.000MHZ-YT	ACH
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Abracon	ACH-51.840MHZ-A	ACH

Abracon	ACH-51.840MHZ-LJA	ACH
Abracon	ACH-52.000MHZ-A	ACH
Abracon	ACH-53.000MHZ	ACH
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Abracon	ACH-53.125MHZ-CSA-G	ACH
Abracon	ACH-54.000MHZ-C	ACH
Abracon	ACH-55.555MHZ-A	ACH
Abracon	ACH-56.000MHZ-RS	ACH
Abracon	ACH-56.448MHZ-DCSA	ACH
Abracon	ACH-57.344MHZ-DRS	ACH
Abracon	ACH-57.344MHZ-ERSA	ACH
Abracon	ACH-58.9824MHZ	ACH
Abracon	ACH-59.23780MHZ	ACH
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Abracon	ACH-6.400MHZ-A-50	ACH
Abracon	ACH-6.5536MHZ-A	ACH
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Abracon	ACH-60.000MHZ-SA	ACH
Abracon	ACH-614.400KHZ	ACH
Abracon	ACH-62.500MHZ-YG	ACH
Abracon	ACH-64.000MHZ-S	ACH
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Abracon	ACH-65.536MHZ	ACH
Abracon	ACH-65.536MHZ-A	ACH
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Abracon	ACH-66.000MHZ-C-A	ACH
Abracon	ACH-66.000MHZ-CSA	ACH
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Abracon	ACH-66.3552MHZ-CS	ACH
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Abracon	ACH-7.168MHZ	ACH
Abracon	ACH-7.168MHZ-C	ACH
Abracon	ACH-7.200MHZ	ACH

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Abracon	ACH-7.3728MHZ-C	ACH
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Abracon	ACH-8.192MHZ-RS	ACH
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Abracon	ACH-92.9405MHZ	ACH
Abracon	ACH-920.000KHZ	ACH