

PCN Title	New Alvium Mainboard version		
Affected Products	Alvium USB cameras, Alvium CSI-2 cameras		
PCN Number	PCN2023-03-27	PCN Issue date	27.03.2023 27.09.2023 (document update)
Contact	Inside Sales Team		

Change Classification

Minor

Change Type

Mechanical Specification

Affected Products

See Annex

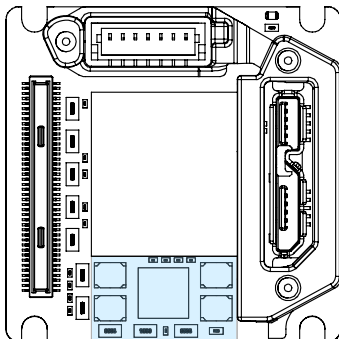
Change Description (updated)

Slight changes to the size and position of electronic parts for open and bare board cameras regarding the areas that require cooling.

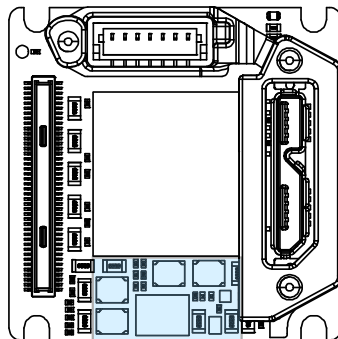
Please refer to the user guides/technical manuals and the corresponding STEP files for details. You can download the current STEP file versions from the website at <https://www.alliedvision.com/en/support/alvium-step-file-downloads/>. For STEP files with the previous hardware design, please visit <https://www.alliedvision.com/en/about-us/contact-us/technical-support-repair/-rma/> to contact the technical support team.

The graphics below show how the hardware design has changed for an Alvium USB camera.

Previous hardware design:



New hardware design:


Notes

- **Firmware version 11** or higher is required to operate cameras with the new hardware.
- To optimize the reliability of electrical connections, the **insertion depth of USB connectors** into the USB receptacle has been slightly reduced, for both standard and 90° connectors. (Receptacles of the previous hardware design were changed to compensate for any tolerances. The current version still complies to the USB 3.x standard). Please observe this for your design.

Reason for Change

Obsolescence of some parts of the old mainboard.

Impact / Possible Successor

Check new layout of heat-generating parts on mainboard.

First Ship Date

USB3: Shipping from now on

CSI-2: transfer In 4-6 weeks

The information provided in this product change notification are subject to change without notice.
For the latest version of this document, please visit the Allied Vision [website](#).

Support:

In case of technical questions please contact our [Support Team](#)

General inquiries:

Please contact our [Inside Sales Team](#)

Annex
Item no. affected products

11875	11957	14180	14658	14765	14881	15599	15951
11876	11959	14181	14659	14774	14882	15601	15952
11877	11960	14182	14668	14775	15104	15602	15953
11879	11961	14196	14669	14776	15105	15604	15954
11880	11963	14197	14670	14777	15106	15605	15956
11881	11964	14199	14671	14778	15107	15607	15957
11883	11965	14200	14672	14779	15108	15608	15958
11884	11967	14202	14673	14786	15109	15610	15967
11885	11968	14203	14682	14787	15114	15611	15968
11887	11969	14204	14683	14788	15118	15693	15969
11888	11971	14206	14684	14789	15119	15704	15970
11889	11972	14207	14685	14796	15121	15870	15971
11891	11973	14208	14686	14797	15122	15871	15972
11892	11975	14210	14687	14798	15123	15875	16012
11893	11976	14211	14689	14799	15188	15876	16013
11903	11977	14212	14690	14808	15189	15880	16014
11904	12019	14214	14691	14809	15193	15881	16015
11905	12020	14215	14693	14810	15194	15885	16016
11907	12021	14216	14694	14811	15198	15886	16017
11908	12102	14218	14695	14812	15199	15887	16299
11909	12103	14219	14704	14813	15203	15888	16315
11911	12104	14220	14705	14822	15204	15890	16463
11912	12897	14222	14706	14823	15324	15891	16464
11913	12898	14223	14707	14824	15325	15896	16465
11915	12899	14224	14708	14825	15326	15897	16474
11916	12901	14227	14709	14826	15327	15901	16475
11917	12902	14228	14718	14827	15499	15902	16476
11919	12903	14229	14719	14836	15500	15906	16477
11920	12905	14231	14720	14837	15501	15907	16478
11921	12906	14232	14721	14846	15502	15911	16479
11931	12907	14233	14722	14847	15558	15912	16481
11932	12909	14616	14723	14850	15559	15913	16482
11933	12910	14617	14732	14851	15563	15914	16484
11935	12911	14618	14733	14852	15564	15916	16485
11936	13099	14623	14734	14853	15568	15917	16487
11937	13101	14624	14735	14854	15569	15921	16488
11939	13103	14625	14736	14855	15573	15922	16490
11940	13105	14626	14737	14858	15574	15923	16491
11941	13874	14631	14746	14859	15578	15924	16705
11943	13875	14640	14747	14860	15579	15925	17167
11944	13876	14641	14748	14861	15583	15926	17168
11945	13877	14642	14749	14862	15584	15943	17169
11947	14170	14643	14750	14863	15588	15944	17174
11948	14171	14644	14751	14868	15589	15945	17175
11950	14173	14645	14760	14869	15593	15946	17176
11951	14174	14654	14761	14873	15594	15947	17181
11953	14176	14655	14762	14874	15595	15948	17182
11954	14177	14656	14763	14878	15596	15949	17183
11956	14178	14657	14764	14879	15598	15950	17188

17189	18021	19505	14801	17238	12908	15603	18092
17190	18022	19506	14814	17243	13098	15606	18499
17195	18023	19608	14815	17248	13100	15609	19370
17196	18046	11874	14829	17253	13102	15612	19371
17197	18047	11878	14839	17370	13104	15872	19425
17199	18049	11882	14870	17520	14175	15882	19465
17200	18050	11886	14875	17525	14183	15889	19470
17201	18052	11890	15096	17532	14201	15892	19474
17209	18053	11902	15097	17537	14209	15898	11876
17210	18057	11906	15110	17552	14213	15908	11877
17214	18058	11910	15111	17555	14217	15915	11879
17215	18062	11914	15185	17560	14221	15918	11880
17219	18063	11918	15190	18051	14225	15919	11881
17220	18067	12896	15195	18056	14226	15920	11884
17224	18068	12900	15200	18061	14230	15928	11885
17225	18072	12904	15477	18066	14633	15930	11887
17229	18073	12908	15555	18077	14647	15955	11888
17230	18075	14172	15560	18082	14661	15998	11889
17232	18076	14175	15565	18087	14675	16003	11891
17233	18078	14179	15570	18092	14688	16462	11892
17239	18079	14183	15575	18499	14692	16480	11893
17240	18083	14198	15580	19017	14697	16483	11904
17244	18084	14201	15585	19058	14711	16486	11905
17245	18088	14205	15590	19370	14725	16489	11907
17249	18089	14209	15867	19371	14739	16579	11908
17250	18093	14612	15872	19433	14753	16580	11909
17254	18094	14619	15877	19465	14767	17173	11912
17255	18272	14632	15882	19470	14781	17187	11913
17259	18273	14633	15893	19474	14791	17194	11915
17260	18282	14646	15898	19563	14801	17198	11916
17262	18345	14647	15903	11878	14815	17213	11917
17263	18480	14660	15908	11886	14829	17223	11919
17521	18625	14661	15927	11890	14839	17228	11920
17522	18627	14674	15928	11906	14848	17231	11921
17528	18656	14675	15929	11914	14849	17243	11931
17529	18708	14696	15930	11918	14856	17253	11932
17533	18788	14697	15959	11930	14857	17258	11933
17534	18827	14710	15960	11934	14865	17261	11935
17538	18828	14711	15998	11938	14880	17370	11936
17539	18829	14724	16003	11942	15097	17525	11937
17543	19089	14725	16466	11946	15111	17537	11939
17544	19372	14738	16467	11949	15190	17542	11940
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17547	19464	14752	16580	11955	15477	17552	11943
17553	19468	14753	17166	11958	15503	17721	11944
17554	19469	14766	17173	11962	15504	18045	11945
17556	19472	14767	17180	11966	15560	18048	11947
17557	19473	14780	17187	11970	15570	18056	11948
17561	19498	14781	17208	11974	15580	18066	11950
17562	19499	14790	17213	12018	15590	18071	11951
17590	19500	14791	17218	12101	15597	18074	11953
17591	19504	14800	17223	12900	15600	18082	11954

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11957	14203	14694	14846	15568	15923	17188	17591
11959	14206	14695	14847	15569	15924	17189	18021
11960	14207	14704	14850	15573	15925	17190	18022
11961	14208	14705	14851	15574	15926	17195	18023
11963	14210	14707	14852	15578	15943	17196	18046
11964	14211	14708	14853	15579	15944	17197	18047
11965	14212	14709	14854	15583	15946	17199	18049
11967	14214	14718	14855	15584	15947	17200	18050
11968	14215	14719	14858	15588	15948	17201	18052
11969	14216	14721	14859	15589	15949	17209	18053
11971	14218	14722	14860	15593	15950	17210	18057
11972	14219	14723	14861	15594	15952	17214	18058
11973	14220	14732	14862	15595	15953	17215	18062
11975	14222	14733	14863	15596	15954	17219	18063
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12103	14232	14750	14881	15607	15971	17233	18078
12104	14233	14751	14882	15608	16012	17239	18079
12898	14616	14760	15104	15610	16013	17240	18083
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12902	14624	14764	15108	15704	16016	17249	18089
12903	14626	14765	15109	15870	16017	17250	18093
12906	14631	14774	15118	15871	16299	17254	18094
12907	14640	14775	15119	15875	16315	17255	18272
12909	14641	14777	15121	15876	16463	17259	18273
12910	14643	14778	15122	15880	16464	17260	18282
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13103	14655	14788	15193	15887	16477	17522	18627
13105	14657	14789	15194	15888	16478	17528	18656
13874	14658	14796	15198	15890	16481	17529	18708
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13876	14668	14798	15203	15896	16484	17534	18827
13877	14669	14799	15204	15897	16485	17538	18828
14170	14671	14808	15324	15901	16487	17539	18829
14173	14672	14809	15325	15902	16488	17543	19089
14174	14673	14811	15326	15906	16490	17544	19372
14176	14682	14812	15327	15907	16491	17546	19463
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14181	14686	14823	15501	15913	17169	17554	19469
14182	14687	14825	15502	15914	17174	17556	19472
14196	14689	14826	15558	15916	17175	17557	19473
14199	14690	14827	15559	15917	17176	17561	19498
14200	14691	14836	15563	15921	17182	17562	19499

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