

# ClearFog Pro

## Product Change Notification

PCN# 20191027001



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## Background

Dear customer,

SolidRun Ltd. is discontinuing production of its ClearFog Pro Rev-2.1 products and following the introduction of the ClearFog Pro Rev-2.2, recommends migrating to that platform, keeping the same form factor.

You are receiving this notification, because you have purchased one or more of SolidRun Ltd. products affected by the discontinuation, during the past twenty-four (24) months.

## Time Frame

- Date of publication: October 27<sup>th</sup>, 2019.
- Last time buy (LTB): **April 30<sup>th</sup>, 2020.**

## Affected SKUs

The affected SKUs are all the SKUs for ClearFog Pro Rev-2.1. Please see detailed information below on the affected SKUs based on the following.

SKU	New SKU	New Description
SRM6828S00D01GE000P01CH	SRM6828S00D01GE000P02CH	ClearFog Pro   1GB DDR   No eMMC   Com. Temp   R2.2
SRM6828S00D02GE000P01CH	SRM6828S00D02GE000P02CH	ClearFog Pro   2GB DDR   No eMMC   Com. Temp   R2.2
SRM6828S00D01GE008P01CH	SRM6828S00D01GE008P02CH	ClearFog Pro   1GB DDR   8GB eMMC   Com. Temp   R2.2
SRM6828S00D02GE008P01CH	SRM6828S00D02GE008P02CH	ClearFog Pro   2GB DDR   8GB eMMC   Com. Temp   R2.2
SRM6828S00D01GE016P01CH	SRM6828S00D01GE016P02CH	ClearFog Pro   1GB DDR   16GB eMMC   Com. Temp   R2.2
SRM6828S00D02GE016P01CH	SRM6828S00D02GE016P02CH	ClearFog Pro   2GB DDR   16GB eMMC   Com. Temp   R2.2
SRM6828S00D01GE032P01CH	SRM6828S00D01GE032P02CH	ClearFog Pro   1GB DDR   32GB eMMC   Com. Temp   R2.2
SRM6828S00D02GE032P01CH	SRM6828S00D02GE032P02CH	ClearFog Pro   2GB DDR   32GB eMMC   Com. Temp   R2.2
SRM6828S00D01GE064P01CH	SRM6828S00D01GE064P02CH	ClearFog Pro   1GB DDR   64GB eMMC   Com. Temp   R2.2
SRM6828S00D02GE064P01CH	SRM6828S00D02GE064P02CH	ClearFog Pro   2GB DDR   64GB eMMC   Com. Temp   R2.2
SRM6828S00D01GE128P01CH	SRM6828S00D01GE128P02CH	ClearFog Pro   1GB DDR   128GB eMMC   Com. Temp   R2.2
SRM6828S00D02GE128P01CH	SRM6828S00D02GE128P02CH	ClearFog Pro   2GB DDR   128GB eMMC   Com. Temp   R2.2

(\*) This PCN relates to all available ClearFog Pro SKUs. The last two letters can alternate between **C** and **I** (indicating either **C**ommercial grade or **I**ndustrial grade); and **H** or **E** (indicating either **H**eatsink or **E**nclosure). All SKUs above are provided in Commercial and Heatsink (CH) variations for simplicity.

## Description of Changes

Based on customer feedback and requests, we decided to support CR2025/CR2032 coin battery installation in a newly added battery holder, rather than supporting only solderable battery for commercial version, and supporting battery header for industrial version, as is the case in Rev-2.1.

Another change is the connection of I2C1 bus to previously unconnected pins in TDM header J12 (pin-5 now connected to I2C1 SCL and pin-6 to I2C1 SDA).

The above are the only user visible changes. Some other changes were made to address minor bugs which were fixed by two manual touchups in Rev-2.1 manufacturing.

### Electrical:

The only user visible electrical change in Rev-2.2 is the connection of I2C1 bus to pins 5 and 6 in J12 TDM header.

### Mechanical:

Instead of solderable battery, Rev-2.2 will have a battery holder supporting installation of a CR2025/CR2032 coin battery. Location of the new battery holder is different than older solderable coin battery but is still on the bottom side of the board. Please see below mechanical drawing for details:

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	DESCRIPTION	APPROVED	DATE	REV.	CHANGE ORDER
1	raspberrypi_pl+_(dot)		1					
2	DC Jack Horizontal_Kycon KLDHCX-0202-A-L1_rA3		1					
3	A38XUSBRev2.0		1					
4	DF40C-80DP		2					
5	User Library-TQFN56		1					
6	User Library-BGA 256 17x17mm 1mm pitch	BGA 256 17x17mm 1mm pitch	1					
7	Mikro BUS		1					
8	USB3 Type A_Antenk-U3AFR01		1					
9	Micro USB_FCI10103594		1					
10	LED Right Angle_Evalight 020-12-21-SDRC-SS30-xx-TR8		15					
11	Amphenol_M-U77-A16X8-X001-REV11		1					
12	Wellbuying_1102H		1					
13	Heat Sink-18mm		1					
14	RJ45		1					
15	User Library-SIMS060-6-0-26-01-A_6-base-with-1	RJ45 Interface	1					
16	User Library-SIMS060-6-0-26-01-A_C703COVER-1		1					
17	User Library-SIMS060-6-0-26-01-A_C703DATA-1		1					
18	User Library-SIMS060-6-0-26-01-A_C703DATA_1-1		1					
19	User Library-SIMS060-6-0-26-01-A_C703DATA_2-1		1					
20	User Library-SIMS060-6-0-26-01-A_C703DATA_3-1		1					
21	User Library-SIMS060-6-0-26-01-A_C703DATA_4-1		1					
22	User Library-SIMS060-6-0-26-01-A_C703DATA_5-1		1					
23	RJ45x6_C71-E56140701		1					
24	ARMighty_Board Rev.2.2_14-2-17		1					
25	Mini PCIe Right Angle 5.6mm stack Height TE 1775838-2		2					
26	Magnetics 2 port_Aoem ATPL-453R		3					
27	DF40C-80DS	Board to Board Connector 0.4pitch 80pos. 1.5mm mating height (Other mating heights are available p to 4mm) Hirose DF40C-80DS-0.4V[S1]	2					
28	Pin Header 2pos TH Vertical Pitch 2.54_Molex 022284020		6					
29	Pin Header 24pos TH Vertical Pitch 2.54_Molex 010897240		1					
30	Header Receptable 16pos Vertical TH_Molex 015445116		1					
31	Pin Header 3pos TH Vertical Pitch 2.54_Molex 022284030		2					
32	Header Shrouded 20pos Vertical TH_Molex 702462001		1					
33	WE_PCB SMT Stand off M2.5x1.5_9774015151R		1					
34	WE_PCB SMT Stand Off M2.5x3_9774030151		7					
35	M_2 Connector Key B 3.2mm height_TE 2199119-0		1					
36	Vertical Tactl Switch_Diptronics DTSM-31		1					
37	Mini PCIe WiFi Module		2					
38	M_2 22x40 SSD		1					

  

The drawing shows two views of the board: 'COMPONENT SIDE' and 'PRINT SIDE'. Callouts 1-38 point to various components and features. The component side shows the top of the board with various connectors and components. The print side shows the bottom of the board with the component footprints.

Korat Engineering Ltd. Mobile: 098-4424069  
korat.av@gmail.com

REVISED	DATE	BY	CHECKED	APPROVED
SOLIDRUN		CLEARFOG PRO		
CLEARFOG PRO BOARD ASSY				
ARMighty_Rev.2.2 Assy				
PROPERTY OF Korat Engineering				

### Software:

None.

### Transition:

SolidRun recommends its customers to transition to the ClearFog Pro Rev-2.2. The online store is updated with the new part numbers and customers can order samples:

### Contact:

Please contact SolidRun if you have any questions.

For commercial and sales inquiries please contact: [sales@solid-run.com](mailto:sales@solid-run.com)

For technical questions please contact: [support@solid-run.com](mailto:support@solid-run.com)