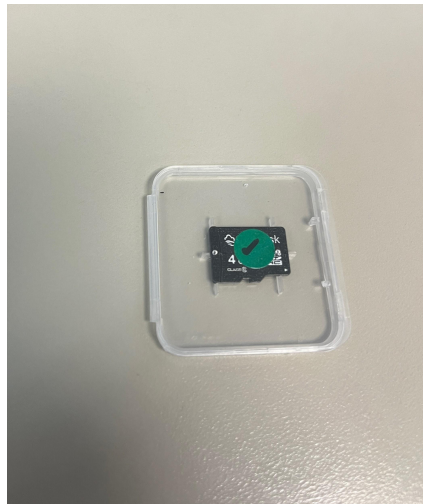


PCC-E Micro SD Card Replacement

For all DICEblades running Meteor Drive Electronics with PCC-E boards

02.15.23
Version 1.0



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Versions

Version	Notes	Personnel	Date
1.0	Initial Release	SGE	2/15/2023

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Purpose

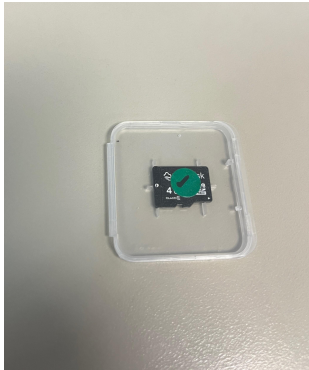
It has been observed that over time, customers may experience irregularly long PCC-E connection times (anything longer than a minute is considered irregular). Replacing the Micro SD Card can decrease these connection times to an acceptable level, and eliminate the need to replace the PCC-E. This document will cover the process of safely removing the PCC-E and replacing the Micro SD Card with one with a new, Pre-Flashed Micro SD Card.

Tools Required

- 2.5mm Hex Key Wrench for removing screws

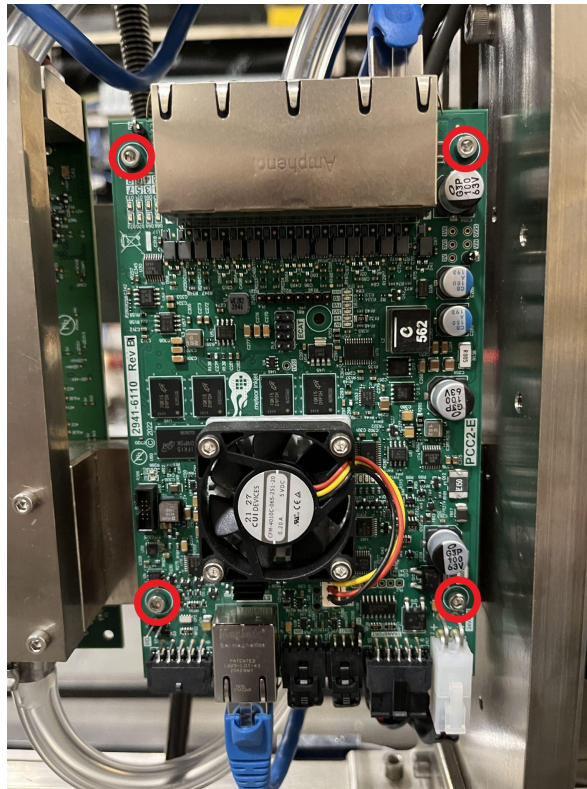


- Pre-Flashed Micro SD Card (Provided by PPSI)

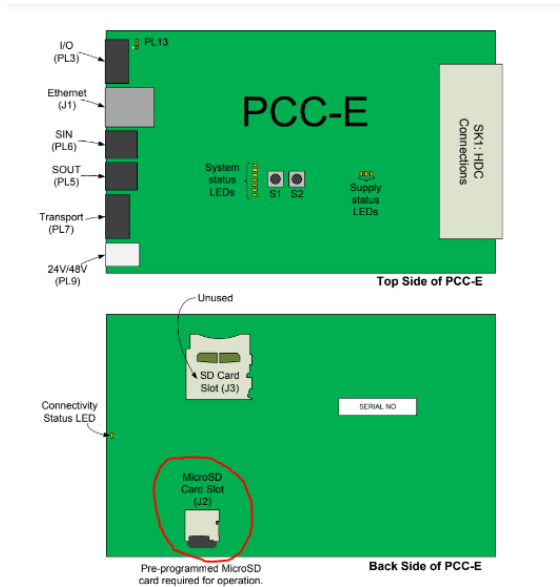


Procedure

1. The first step is to ensure that Drive Electronics are turned OFF. The PCC-E must be removed to access the Micro SD Card slot, and this must be done with Drive Electronics turned OFF.
2. With the Drive Electronics power OFF, Unplug all cables from PCC-E.
 - a. Note: all of the cables are labeled, but taking a picture for reference is always a good idea.
3. Using the 2.5mm hex key wrench, remove the four M3 screws that mount the PCC-E to its mount plate.
 - a. **Note:** The standoffs used on these screws are pressed on to the screws, but it is possible for them to back themselves off and fall. To avoid this:
 - i. Visually inspect to see once the screw is backed out of the hole, continuing to unscrew after it is out of the hole can lead to the standoff backing off the screw.
 - ii. Have another person on hand, or something to catch the standoffs if they do fall off, to prevent them from falling into the Printbar or other areas below where they could cause damage.



4. Once the PCC-E is removed, turn it over to the backside, and locate the Micro SD Card. (Circled in red in the image below)



5. To remove the Micro SD Card, first push it into the slot and release. This should pop the Micro SD Card out to where the edge of the Micro SD Card is close to flush with the edge of the PCC-E.
 - a. From here, you should be able to pull the Micro SD Card out the rest of the way.
 - b. Note: if it feels as though it is requiring too much force to pull out the SD Card, do not continue to pull, simply push it back into its original position, and then push it back in again so that it pops back out to the edge, and try again.
6. With the original Micro SD Card out, insert the Pre-Flashed SD Card from PPSI, and push it in until it clicks into place.
 - a. The original Micro SD Card may be able to be recovered by PPSI. Please label and hold onto these SD Cards until the next time PPSI personnel are on site.
 - b. PPSI can re-image these SD Cards for future replacements (saving on possible PCC-E replacement costs).
7. Mount the PCC-E back into its original position, and reconnect all the cables.
8. At this point, the PCC-E should be ready for use. Note connection times and report back to PPSI if the long connection time does not appear to be resolved.

