EMAC, inc.
EQUIPMENT MONITOR AND CONTROL

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EMAC PCB & Assembly Requirements – R1

- **Solder Mask Color:** ____
    - ☐ (default: Green)
- **Silkscreen Color**: ____
    - ☐ (default: White)
- **Board Finish**: ____
    - ☐ (default: ENIG)
- **Impedance Control**: ____
    - ☐ (default: No)
- **Customer Specific Requirements:** ____________________________________
    - ☐ (IPC Class 3, UL, Wash Restrictions, etc.; default: Not Required)
- **Materials Requirements:** ____
    - ☐ (default: Core material in accordance with IPC-4101C/126, laminated sheet, woven E-glass, Tg of 170 minimum, flame resistant UL 94V-0, RoHS Compliant)
    - ☐ (default: Pre-Preg material in accordance with IPC-4101C/126, woven E-glass Tg of 170C minimum, flame resistant UL 94V-0, RoHS compliant)
- **Layer Registration:** ____
    - ☐ (default: Layer-to-layer registration must not be more than 3.0 mil from layer 1)
- **Drill Requirements:** ____
    - ☐ (default: All drill data is finished size)
    - ☐ (default: Finished drill locations shall be within 4.0 mil of the specified location)
    - ☐ (default: Hole location shall not exceed 2.0 mil from dill file locations)
- **Plated Through Holes:** ____
    - ☐ (default: Plated through holes shall have a minimum average copper thickness of 1.0 mil with an absolute minimum of 0.7 mil. for 1oz copper. For other copper weights contact EMAC for defaults.)
- **Conformal Coating:** ____
    - ☐ (default: RTV Silicone - Dow Corning 1-2577)

Note: EMAC is not responsible for incorrect fabrication of the PCB if the PCB requirements are incorrect or missing. If possible, it is recommended that the customer perform a small test run in order to validate the correct PCB fabrication and the Assembly Process.