

PEM1200, PEM3000, PEM3100 - Spare Input Port

This application note explains as how to add a spare PoE input port, on the host board, for PEM1200. A spare port can be useful in case of failure of, or damage to, the primary port.

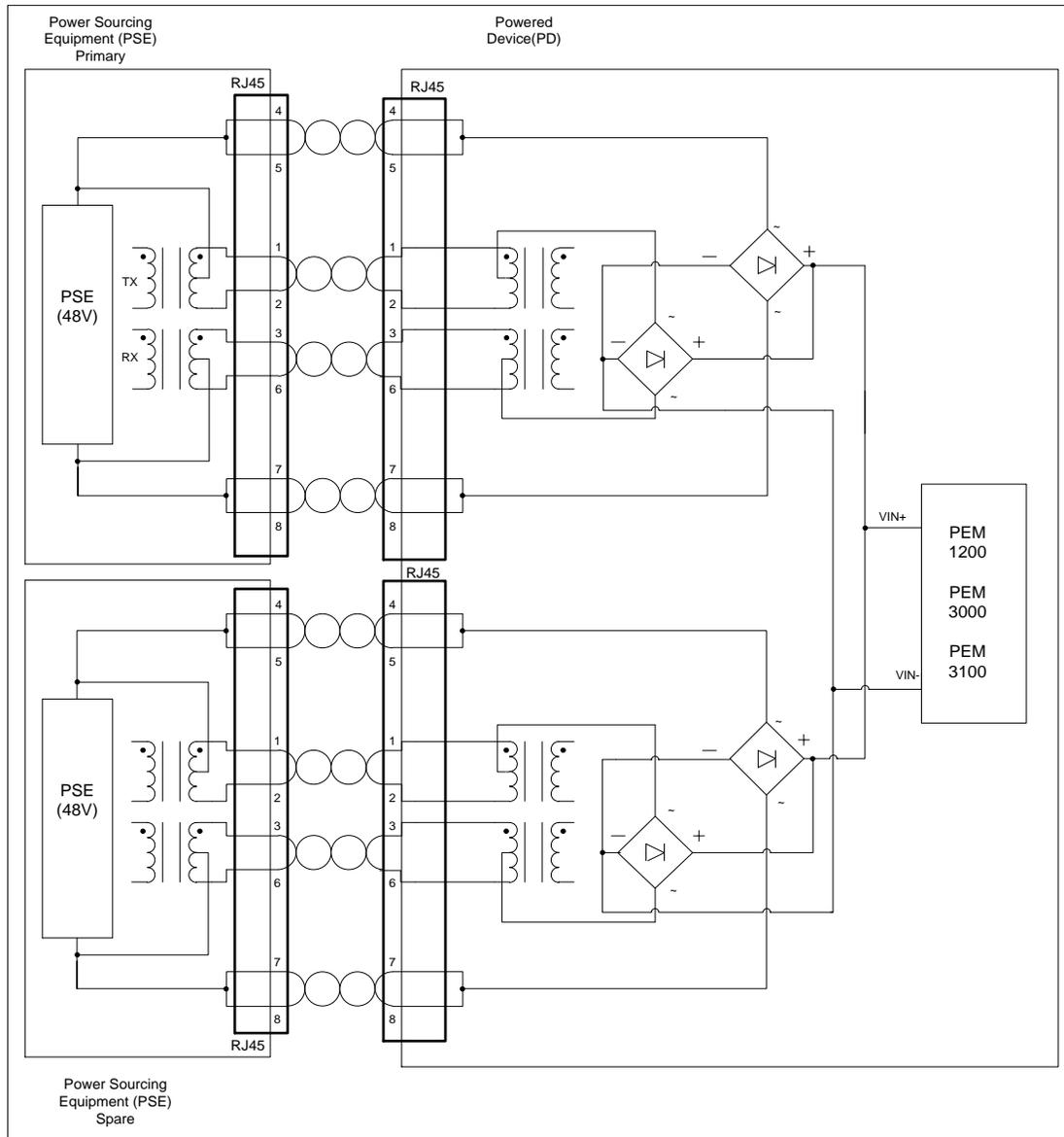


Figure 1 Spare or parallel RJ45 connection from PSE to PD

As shown in Figure1, provide an additional set (spare) of RJ45 port, data transformer and pair of bridge rectifiers on the host board and connect it to the PEM1200 in parallel to the primary set.

This circuit can be used for POE-PD modules without on-board bridge rectifier diodes such as PEM1200, PEM3000 and PEM3100. It cannot be used for POE-PD modules with on-board bridge diodes like the PEM1300 and PEM1500.