

145.3.2 PD PI

(page 187, line 41)

A PD shall meet the requirements of detection (145.3.4), PD signature configuration (145.3.5), and PD classification (145.3.6) in any valid 2-pair configuration, as defined in Table 145-20.

Note --- this includes configurations with two pairs connected to the positive VPD and on pair connected to the negative VPD

145.3.5 PD signature configurations

A single-signature PD shall present a valid detection signature, as defined in Table 145–21, on a given Mode when no voltage or current is applied ~~to~~across the other Mode, and shall not present a valid detection signature on the given Mode when any voltage in the range of 3.7 V to 57 V is applied ~~to~~across the other Mode or any current greater than 124 μ A is ~~applied to~~drawn from the negative pair of the other Mode. These requirements apply to both Mode A and Mode B.

NOTE—A valid detection signature meets every requirement in Table 145–21 across all specified conditions. A failure under any allowed condition is considered “not a valid signature.”

A dual-signature PD shall present a valid detection signature, as defined in Table 145–21, on a given Mode, regardless of any voltage between 0 V and 57 V applied ~~to~~across the other Mode. This requirement applies to both Mode A and Mode B.