

PCT8	EEE <del>Idle</del> <u>IDLE conversion</u>	97.3.2.2.9	Convert LP_IDLE to IDLE if EEE is not supported	EEE:M	Yes [ ] N/A [ ]
PCT9	FEC	97.3.2.2.12	Reed-Solomon code (450,406)	M	Yes [ ]
PCT17	EEE RS partial <del>Idle</del> <u>IDLE</u>	97.3.2.2.16	Transmit no RS frames partially filled with LP_IDLEs	EEE:M	Yes [ ] N/A [ ]
-PCT18	EEE without SEND_N	97.3.2.2.16	lpi_tx_mode variable is ignored when the PMA_TXMODE.indication message does not have the values SEND_N	EEE:M	Yes [ ] N/A [ ]
PCT19	EEE NORMAL	97.3.2.2.16	The PCS passes coded data to the PMA via the PMA_UNITDATA.request primitive when the lpi_tx_mode variable takes the value NORMAL and when the PMA asserts SEND_N	EEE:M	Yes [ ] N/A [ ]
PCT20	EEE QUIET	97.3.2.2.16	The PCS passes zeros to the PMA via the PMA_UNITDATA.request primitive when the lpi_tx_mode variable takes the value QUIET and when the PMA asserts SEND_N	EEE:M	Yes [ ] N/A [ ]
PCT21	EEE REFRESH	97.3.2.2.16	The PCS passes zero data encoded through PCS data path to the PMA via the PMA_UNITDATA.request primitive when the lpi_tx_mode variable takes the value REFRESH and when the PMA asserts SEND_N	EEE:M	Yes [ ] N/A [ ]
<b>PMF32</b>	<b>OK as is</b>				
PME5	Test modes	97.5.2	enabled by setting control register 1.2308.15:13	MDIO:M	Yes [ ] N/A [ ]
PME6	Test mode <u>characteristics change data only</u>	97.5.2	Test modes only change data symbols provided to the transmitter circuitry and not alter the electrical and jitter characteristics of the transmitter and receiver from normal operation	M	Yes [ ]
PME7	TX_TCLK125 test access	97.5.2	Provide access to TX_TCLK125 when in test mode 1	M	Yes [ ]
PME8	Test mode 3	97.5.2	Transmit three {+1} symbols followed by three {-1} symbols continually	M	Yes [ ]
PME9	Test mode 2	97.5.2	Transmit three {+1} symbols followed by three {-1} symbols continually <u>when in test mode 2</u>	M	Yes [ ]
PME10	Test mode 4	97.5.2	Transmit the sequence of symbols	M	Yes [ ]

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			generated by the scrambler generator polynomial per Equation (97-12) <del>when in test mode 4</del>		
PME11	Test mode 5	97.5.2	Transmit as in non-test operation and in the MASTER data mode with data set to normal Inter-Frame idle signals <del>when in test mode 5</del>	M	Yes [ ]
PME12	Test mode 6	97.5.2	Transmit fifteen {+1} symbols followed by fifteen {-1} symbols continually <del>when in test mode 6</del>	M	Yes [ ]
PME15	Coupling	97.5.3	Operate with AC coupling to the MDI	M	Yes [ ]
PME16	<del>Resistive differential Loadload</del>	97.5.3	Meet electrical requirements of this clause with a 100 Ω resistive differential load connected to transmitter output if load is not specified	M	Yes [ ]
PME24	Reference clock	97.5.3.3	Reference clock is continuous when transitioning into or out of LPI mode	M	Yes [ ]
EEE2	Normal power resumption	97.1.2.3	Resume normal power mode on the RS frame following a PCS transmission of a wake frame	EEE:M	Yes [ ] N/A [ ]
EEE3	LPI synchronization	97.3.5.1	Synchronize refresh intervals during LPI mode	EEE:M	Yes [ ] N/A [ ]
EEE4	Partial RS frame count synchronization	97.3.5.1	When SLAVE, synchronize partial RS frame count to MASTER's partial RS frame count within 1 partial RS frame	EEE:M	Yes [ ] N/A [ ]
EEE5	tx_refresh_active and tx_wake_start signals	97.3.5.1	Derive tx_refresh_active and tx_wake_start signals from the transmitted RS frames	EEE:M	Yes [ ] N/A [ ]
ES1	<del>General SafetyIEC 60950-1 conformance</del>	97.8.1	<del>conform to IEC 60950-1 (for IT and motor vehicle applications) and to ISO 26262 (for motor vehicle applications only, if required by the given application)to applicable sections</del>	M	Yes [ ]
ES2	Environmental stressesSafety	97.8.2.1	Conform to the potential environmental stresses with respect to their mounting location, as defined in: ISO 16750-1, ISO 16750-2, ISO 17637-2:2008, ISO 8820-1, ISO 16750-3, ASTM D4728, ISO 12103-1, ISO 16750-4, IEC	AUTO:M	Yes [ ] N/A [ ]

			60068-2-1/27/30/38/52/64/78, ISO 167540-5, and ISO 20653		
ES3	<u>Electromagnetic Compatibility:</u> <del>Applicable</del> -local and national codes	97.8.2.2	Compliance with applicable local and national codes for the limitation of electromagnetic interference	M	Yes [ ]
ES4	<u>Electromagnetic Compatibility:</u> EMC test methods	97.8.2.2	Tested according to IEC CISPR 25 test methods defined to measure the PHY's EMC performance	M	Yes [ ]
ES5	<u>Electromagnetic Compatibility:</u> motor vehicle EMC requirements	97.8.2.2	Meet the following motor vehicle EMC requirements: CISPR 25, IEC 61967-1/4, IEC 61000-4-21, ISO 11452, IEC 62132-1/4, IEC 61000-4-21, ISO 10605, IEC 61000-4-2/3, IEC 62215-3, ISO 7637-2/3	AUTO:M	Yes [ ] N/A [ ]