

5.13 DESCRIPTION OF UPPER MEMORY MAP TABLE 00H – FUTURE DIAGNOSTICS FUNCTIONS

Table 00h is reserved for future diagnostics functions.

5.14 DESCRIPTION OF UPPER MEMORY MAP TABLE 01H – SERIAL ID MEMORY MAP

The serial ID memory map located in Table 01h in the upper address space is used for read only identification information.

Table 46 Serial ID: Data Fields - Page 01h

<i>Address</i>	<i>Size (Bytes)</i>	<i>Name</i>	<i>Description</i>
<i>Base ID Fields</i>			
128	1	Identifier	Type of serial transceiver (see Table 32)
129	1	Ext. Identifier	Extended identifier of type of serial transceiver (see Table 47)
130	1	Connector	Code for connector type (see Table 48)
138-131	8	Transceiver	Code for electronic compatibility or optical compatibility (see Table 49)
139	1	Encoding	Code for serial encoding algorithm (see Table 50)
140	1	BR-Min	Minimum bit rate, units of 100 Mbits/s.
141	1	BR-Max	Maximum bit rate, units of 100 Mbits/s.
142	1	Length(SMF)-km	Link length supported for SMF fiber in km
143	1	Length (E-50µm)	Link length supported for EBW 50/125 µm fiber, units of 2 m
144	1	Length (50 µm)	Link length supported for 50/125 µm fiber, units of 1 m
145	1	Length (62.5 µm)	Link length supported for 62.5/125 µm fiber, units of 1 m
146	1	Length (Copper)	Link length supported for copper, units of 1m
147	1	Device Tech	Device technology (see Table 51 , Table 52)
163-148	16	Vendor name	XFP vendor name (ASCII)
164	1	CDR Support	CDR Rate Support (see Table 53)
167-165	3	Vendor OUI	XFP vendor IEEE company ID
183-168	16	Vendor PN	Part number provided by XFP vendor (ASCII)
185-184	2	Vendor rev	Revision level for part number provided by vendor (ASCII)
187-186	2	Wavelength	Nominal laser wavelength (Wavelength = value / 20 in nm)

Table 46 Serial ID: Data Fields - Page 01h

<i>Address</i>	<i>Size (Bytes)</i>	<i>Name</i>	<i>Description</i>
189-188	2	Wavelength Tolerance	Guaranteed range of laser wavelength (+/- value) from Nominal wavelength. (Wavelength Tol. = value/200 in nm)
190	1	Max Case Temp	Maximum Case Temperature in Degrees C.
191	1	CC_BASE	Check code for Base ID Fields (addresses 120-190)
<i>Extended ID Fields</i>			
195-192	4	Power Supply	Power supply current requirements and max power dissipation (see Table 54)
211-196	16	Vendor SN	Serial number provided by vendor (ASCII)
219-212	8	Date code	Vendor's manufacturing date code (see Table 55)
220	1	Diagnostic Monitoring Type	Indicates which type of diagnostic monitoring is implemented (if any) in the transceiver (see Table 56) Bit 1, 0 Reserved
221	1	Enhanced Options	Indicates which optional enhanced features are implemented (if any) in the transceiver (see Table 57)
222	1	Aux Monitoring	Defines quantities reported by Aux. A/D channels (see Table 58 Table 59)
223	1	CC_EXT	Check code for the Extended ID Fields (addresses 192 to 222)
<i>Vendor Specific ID Fields</i>			
255-224	32	Vendor Specific	Vendor Specific EEPROM

5.15 IDENTIFIER

Byte 0 of the lower memory map contains the module identifier value. The identifier value specifies the physical device described by the serial ID information. This value is also included in the serial ID data table (01h). The defined identifier values are shown in [Table 32](#). The XFP transceiver should use identifier 06h.