Silas Encode Decode logic

1. **Encoding** :

   Product Code = “TRJOC01000012”

   1. **header** (11110010) ====> 8 bit
   2. assci_char_binary (TRJOC01 Assci code)
      (01010100010100100100101001001111010000110011000000110001)
      === 56 bits
   3. Serial Number (000012 [decimal]) (00000000000000000000000000001100)
      === 32 bits

2. Decoding :

1. **epc convert into binary**
2. **[0:8] is header**
3. **[8:64] is assci_char_binary** | **add assci char + serial (in 6 digits filling 0)**
4. **(in hex) epc[16:] is serial**

ex . Epc = “F254524A4F43303100000012”
serial is Epc[16:]

3. table :

type	header	manager_class
	F2	TRJOC01
binary	11110010	“01010100010100100100101001001111010000110011000000110001”

serial_number
“000012”
“00000000000000000000000000001100”

epc
F254524A4F43303100000012
“11110010010101000101001001001010010011110100001100110000001100010000000000000000000000000010010”

product_code
TRJOC01000012
“01010100010100100100101001001111010000110011000000110001000000000000000000000000000010010”

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