Inconsistent Addrinfo parsing a port number

In the case of the following code, ip_port returns 34464 because the number 99999 is cast as short int. Is the result expected?

```ruby
require 'socket'
Addrinfo.tcp('', 99999).ip_port # => 34463
```

Even if the above behavior is correct, ip_port should return 65535 in the following code. But actually, Addrinfo raises an exception because -1 is parsed as service name. This behavior is inconsistent with the above.

```ruby
require 'socket'
Addrinfo.tcp('', -1).ip_port # => Servname not supported for ai_socktype (SocketError)
```

Associated revisions

Revision 2f8d3280 - 06/14/2015 10:11 AM - akr (Akira Tanaka)

- ext/socket/raddrinfo.c (parse_numeric_port): Detect port overflow. (numeric_getaddrinfo): Use parse_numeric_port. numeric_getaddrinfo fails if port is too big now. This makes rb_getaddrinfo invokes the real getaddrinfo() on such condition. This change is related to [ruby-core:69355] [Bug #11179].

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@50890 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 50890 - 06/14/2015 10:11 AM - akr (Akira Tanaka)

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The behavior is inherited from getaddinfo() function in libc. So it is difficult to fix the problem in Ruby.