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Forum: [16-bit PIC24/dsPIC](#)

Topic: dsPIC33EP512MU814/810 高溫USB通訊失效

Subject: Re: dsPIC33EP512MU814/810 高溫USB通訊失效

作者: adamlin

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今日上午以台灣 Microchip 製作之 APP-EDF-11-2作測試， APP-EDF-11-2 每500 ms送出 2 筆 Message給 host.

當測試溫度約40度出現首次失效， 當測試溫度約50C度開始頻繁失效如附件所示， 當時以溫槍量測dsPIC33EP512MU810溫度約55度C，

而 dsPIC33EP512MU810 規格應耐 +85度C.

敬請參考並惠予協助。 謝謝！

附加檔案:

USB\_hot\_Fail1.jpg(308.75 KB)

Sp	Index	m.s.ms.us	Len	Err	Dev	Ep	Record	Summary
49456	34:05.665...	60 B	01	01			IN btn [36 POLL]	17 00 3C 00 D7 1F 00 00 7C 1B 25 00 63 6F 75 6E 74 65 72 20 3D 20 34 30...
49461	34:05.666...	499 ms					[500 SOF]	[Frames: 1459 - 1958]
49462	34:05.666...	42 B	01	01			IN btn [18010 POLL]	0B 00 2A 00 D8 1F 00 00 70 1D 25 00 FF FF 00 00 00 00 00 00 00 00 FF FF...
49467	34:06.166...	2.81 us					[1 SOF]	[Frame: 1959]
49468	34:06.166...	60 B	01	01			IN btn [35 POLL]	17 00 3C 00 D9 1F 00 00 70 1D 25 00 63 6F 75 6E 74 65 72 20 3D 20 34 30...
49473	34:06.167...	500 ms					[501 SOF]	[Frames: 1960 - 412]
49474	34:06.167...	42 B	01	01			IN btn [18010 POLL]	0B 00 2A 00 DA 1F 00 00 64 1F 25 00 FF FF 00 00 00 00 00 00 00 00 FF FF...
49479	34:06.669...	2.81 us					[1 SOF]	[Frame: 413]
49480	34:06.668...	60 B	01	01			IN btn [34 POLL]	17 00 3C 00 DB 1F 00 00 64 1F 25 00 63 6F 75 6E 74 65 72 20 3D 20 34 30...
49485	34:06.670...	499 ms					[500 SOF]	[Frames: 414 - 913]
49486	34:06.669...	42 B	01	01			IN btn [18012 POLL]	0B 00 2A 00 DC 1F 00 00 58 21 25 00 FF FF 00 00 00 00 00 00 00 00 FF FF...
49491	34:07.170...	2.83 us					[1 SOF]	[Frame: 914]
49492	34:07.169...	60 B	01	01			IN btn [35 POLL]	17 00 3C 00 DD 1F 00 00 58 21 25 00 63 6F 75 6E 74 65 72 20 3D 20 34 30...
49497	34:07.171...	500 ms					[501 SOF]	[Frames: 915 - 1415]
49498	34:07.170...	42 B	01	01			IN btn [18010 POLL]	0B 00 2A 00 DE 1F 00 00 4C 23 25 00 FF FF 00 00 00 00 00 00 00 00 FF FF...
49503	34:07.672...	2.81 us					[1 SOF]	[Frame: 1416]
49504	34:07.671...	60 B	01	01			IN btn [34 POLL]	17 00 3C 00 DF 1F 00 00 4C 23 25 00 63 6F 75 6E 74 65 72 20 3D 20 34 30...
49509	34:07.673...	234 ms					[235 SOF]	[Frames: 1417 - 1651]
49510	34:07.908...	1 B	I				NAK packet	5A
49511	34:07.908...	2.83 us	Z				[1 SOF]	[Frame: 1652]
49512	34:07.908...	250 ns					[2 SYNC ERRORS]	
49513	34:07.908...						IN-NAK	
49514	34:07.908...	3 B	P...				IN packet	69 81 38
49515	34:07.908...	1 B					NAK packet	5A
49516	34:07.909...	2.81 us	Z				[1 SOF]	[Frame: 1653]
49517	34:07.910...	49.0 ms					[50 SOF]	[Frames: 1654 - 1703]
49518	34:07.672...	287 ms			01	01	[10366 IN-NAK]	
49519	34:07.960...	2.83 us	I		01	01	[1 ORPHANED]	
49520	34:07.960...	2.83 us	U		01	01	[1 IN]	
49521	34:07.960...						Capture stopped	[03/13/18 09:21:54]