SSIC Protocol Decoder Solution Printed Version of Online Help





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For product information, sales, service, and technical support:

- = In North America, call 1-800-833-9200.
- Worldwide, visit <u>www.tektronix.com</u> to find contacts in your area.

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Technical support

Tektronix values your feedback on our products. To help us serve you better, please send us your suggestions, ideas, or comments on your application or oscilloscope. Contact Tektronix through mail, telephone, or the Web site, <u>www.tektronix.com</u>.

When you contact Tektronix Technical Support, please include the following information (be as specific as possible):

General information

- All instrument model numbers
- Hardware options, if any
- Probes used
- Vour name, company, mailing address, phone number, FAX number
- Please indicate if you would like to be contacted by Tektronix about your suggestion or comments.

Application specific information

- Software version number
- Description of the problem such that technical support can duplicate the problem
- If possible, save the setup files for all the instruments used and the application.
- If possible, save the waveform on which you are performing the measurement as a .wfm file.

Overview and key specifications

Super Speed Inter-Chip (SSIC) is an optimized inter-chip version of USB3.0. The PHY layer will be MIPI MPHY and the protocol layer will be super speed USB 3.0. SSIC supports USB 3.0 speeds of up to 5 Gbps. The M-PHY standard consumes lower power and offers greater flexibility than USB 3.0 PHYs. M-PHYs are available in three speeds called Gears:

- Gear1 operates at 1.25 Gbps or 1.45 Gbps
- Gear2 at 2.5 Gbps to 2.9 Gbps
- Gear3 up to 5.8 Gbps

In addition, M-PHYs can have 1, 2, or 4 lanes.

The following summarizes the key features of SSIC:

- Support for the Super Speed protocol only as defined in [USB 3.0]
- Optimized for power, area, cost and EMI robustness for embedded inter-chip interfaces
- Compliant with the Type-I M-PORTs from the MIPI M-PHY specification [M-PHY]
- Support for x1, x2, and x4 LANE configurations

SSIC has been designed to replace a standard SuperSpeed Controller and PHY with an implementation that maps the SuperSpeed controller on the MIPI M-PHY.

All information communicated in the PWM-BURST and HS-BURST states shall be 8b10b encoded as per the data and control symbols assignments prescribed in [M-PHY] and the symbol mapping assignment described in Table 1. Data symbols shall be directly mapped as per the assignment described in [M-PHY].

Control symbols	SS encoding	SSIC encoding	M-PHY usage	Notes
СОМ	K28.5	K28.5	MARKER0	MK0 sent at start of HS-BURST. Also reused for COM
EDB	K28.5	K28.3	MARKER1	MK1 used only for EDB
SDP	K28.2	K28.6	MARKER2	MK2 used only for SDP
EPF	K23.7	K23.7	MARKER3	MARKER3 used only for EPF
SHP	K27.7	K27.7	MARKER4	MARKER4 used for SHP
END	K29.7	K29.7	MARKER5	MARKER5 used for END
SLC	K30.7	K30.7	MARKER6	MARKER6 used for SLC
SKP	K28.1	K28.1	FILLER	FLR used only for SKP
SUB	K28.4	n/a	n/a	SUB not used in SSIC

Table 1: Mapping of SS control symbols

Compatibility

The SSIC application runs on the following Tektronix oscilloscopes:

Model	Description
DPO/DSA/MSO70000C/D	DPO (Digital Phosphor Oscilloscope), DSA (Digital Serial Analyzer), or MSO (Mixed Signal Oscilloscope)
	Bandwidths –
	6 GHz and above is recommended for HS-Gear1
	12.5 GHz and above is recommended for up to HS-Gear2
	23 GHz and above is recommended for up to HS-Gear3

Additional options required are: SR-CUST, ST 6G for Serial triggering.

See also

Minimum system requirements (see page 6)

Minimum system requirements

The following table shows the minimum system requirements for an oscilloscope to run SSIC Protocol Decoder.

Table 2: System requirements

Oscilloscope	For a list of compatible oscilloscopes, see Compatibility (see page 5).							
Processor	Same as the oscilloscope							
Operating System	Same as the oscilloscope							
Memory	Same as the oscilloscope							
Hard Disk	Same as the oscilloscope							
Probes	Four Differential Probes – P7313SMA							
Other Devices	 Microsoft compatible mouse or compatible pointing device 							
	 Four USB ports (two USB ports minimum) 							
	 (4) SMA cables, Tektronix part number 174-1428-xx 							

See also

Compatibility (see page 5)

Install the software

The software can be installed on any compatible instrument running Windows 7.

- 1. Close all applications (including the TekScope application).
- 2. Go to the www.tek.com Web site and search for SSIC to locate the installation file. Download the file SSIC WebInstaller.exe.
- **3.** Double-click the executable file to extract the installation files. After extraction, the installer launches and displays the InstallShield Wizard.
- 4. The software automatically installs in the following location:
 - C:\Program Files\Tektronix\TekApplications\SSIC
- 5. The installer updates the TekScope Analyze menu to include SSIC Protocol Decoder.

See Also

- Minimum system requirements (see page 6)
- Compatibility (see page 5)

Activate the license

Activate the license using the option installation wizard on the oscilloscope. Follow these steps to activate the SSIC Protocol Decoder license:

1. From the oscilloscope menu bar, click Utilities > Option Installation.

The TekScope Option Installation wizard opens.

TekScope Option Insta	llation
	Use this menu item to enable optional features and applications that are available for your instrument. Fixed Licenses: Use a Fixed License Option Installation Key to permanently install optional features and applications. Floating Licenses: Use a Floating License Option Installation File to temporarily install optional features or applications. A feature or application may be enabled using an appropriate License File or disabled by returning a License File to the Online Floating License Management System on www.tektronix.com/floatinglicense. For information about purchasing an optional feature or application and obtaining a Fixed License Option Installation Key or Floating License Option Installation File, refer to the Technical Support information that is available in the Help menu.
Tektronix	Continue

2. Instructions for using the Options Installation window to activate licenses for installed applications is provided in the oscilloscope online help. Press the F1 key on the oscilloscope keyboard to open the Option Installation help topic. Follow the directions in the topic to activate the license.

View license information

To view license information:

1. From the oscilloscope Help menu, select About TekScope.

The Options section in the dialog box displays a list of installed options, including SSIC Protocol Decoder.

2. To view the Option key, look in the Option Installation Key section. When finished, click **OK** to close the dialog box.

See Also

Activate the License (see page 7)

Equipment connection setup

You need the following equipment to run SSIC protocol tests. (For details, see <u>Minimum system</u> requirements (see page 6)):

- A supported Tektronix oscilloscope (see page 5)
- Two Differential Probes P7313SMA
- Four SMA cables
- Device under test (DUT)

SSIC 2-lane setup



Run the application

SSIC Protocol Decoder GUI

The SSIC Protocol Decoder application can be launched from the Analyze menu. The Application will launch only with a valid license. The GUI will provide the various user configurations needed for the SSIC decoder.

To run the SSIC Protocol Decoder application, select **Analyze > SSIC Protocol Decoder** from the TekScope menu.



Select Protocol Decoder from the Analyzer menu

The SSIC Protocol Decoder opens with the Bus tab as the active window. To set the parameters in the Bus tab, see <u>Configure bus parameters (see page 11)</u>

Configure bus parameters

The Bus tab allows you to set global and individual test parameters.

r.	SSIC Prote	ocol Deco	oder								8
Bus	Bus B1	¥	Bus 1				Components	Input	Threshold		${\bf e}_{\bf A}$
Reports				No of Lanes:	1	۲	Data0	Math1 🜘	0.0V	-	
			Clear Bus	Mode:	HS	۲					
				HS Gear:	Gear1A	•					
			Label B1	Scramble	d Input						
			Bus1 Position 0.0div a							Decode Table	
	_										

SSIC Protocol Decoder Bus tab

The GUI provides you with various configuration options:

- Bus You can select Buses B1 to B16. Selecting B1 in the drop down allows you to set other parameters.
- Bus 1 Turn ON to enable decoding. The packets are shown in the busform and the decode Table after it is turned ON.
- Clear Bus Sets the UI to the default values. Will be same as during the launch of the application.
- Label You can enter any valid string. For example, SSIC.
- Bus 1 Position Allows you to alter the position of the Bus on the scope graticule.
- No of Lanes Lanes 1, 2 and 4. Based on this, the components will vary. For example, if you select 1, it will show Data 0, if you select 4, it will display Data 0 to Data 3.
- $\blacksquare \quad Mode HS \text{ or } PWM$
- HS Gear is only available in HS mode. Option Gear1A, Gear1B, Gear2A, Gear2B, Gear3A, Gear3B.
- Scrambled Input Check this if the input coming in is scrambled.
- Components Read only field, will be populated based on No of Lanes.
- Input User selectable. Ch1 to Ch4 and Math1 to Math4.
- Threshold default value is 0. Can be modified as needed.
- Decode Table Turn it On to see the packet decode Results.

NOTE. You cannot change test parameters that are grayed out.

Bus decoding examples

Decode

Turn 'ON' the bus to see the packet Decode. The packet decode will show up on the defined Bus as shown below.

•	 -
CINK: Dr. H. Dr. H. H. H. Dr. D. Dr. H. Dr. D. H.	le (le (le (le (le (le (le (le (le (le (
	2.0us/div 50.0GS/s 20.0ps/pt
	Preview 5 acqs RL:1.0M Man January 14, 2014 11:34:17

Zoom

Zoom in to see a detailed view of the packet. Drag the mouse over the region of interest, click on Zoom 1 On to zoom over a region. Zoom Controls can be accessed from Horiz/Acq menu.

SSIC decode shows up in a hierarchical view as shown below.

	a da
A CAN CAN BEAM BEAM CARE A CAR AND AND A	
- LNK HPSTART	
D=FPHYh / Data:FDh / Data:D1h / Data:5Ch / Data:0Eh / Data:0Fh / Data:00h / Data:36h	(Data:70h) Data:00h (
D=+88b106 D31.7+ D19.2 D14.1 D0.3+ D7.1- D6.5 D8.4-	D29.0- D31.5-
Cons 200mV/div 50Ω Bµ/20.0G 200mV 2.0ms -2.06µs -2.04µs	2.0µs/div 50.0GS/s 20.0ps/pt Preview
	5 acqs RL:1.0M Man January 14, 2014 11:30:23

Layers

The lowermost layer is the 8b10b decode. This decodes the packets as K and D codes. The packets are shown in this layer without de-scrambling.

Next is the PHY layer decoding. Here the data is de-scrambled and shown as Data and Control Characters with hex value.

The next layer is LNK decode. Here the packets are grouped into Ordered Sets like TS1, TS2, HPStart and so on. The topmost is the PKT layer. This shows the SSIC packets like DP, LMP, TP and ITP. You can collapse and expand each of these layers by clicking on the icon on the left. Clicking on '+' expands the view and clicking on '-' collapses the view.

C1 200mV/div 50Ω ^B W:20.0G	[A] C1 ∫ 0.0V	2.0µs/div 50.0GS/s 20.0ps/pt
2161) 200mV 10.0ns -2.08µs -1.98µs		Preview
		Man January 14, 2014 11:29:12
		0982-002

Defining a search on SSIC

Click on Search in the Analyze menu to invoke Search.

File Edit Ver	tical Digital Horiz/Ac	q Trig Display Curso	rs Measure Mas	k Math MyScope	Ana	lyze Utilities Help	Tek _	×
	والمراجع المراجع			والمراجع		Restore Application		RANE
	1 10 10 10 10 10 10	-00 00 00 00 00 00 00 0	0 00 00 00 00 00	00 00 00 00 00		Search	-0-0-0-0)
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				+		Jitter and Eye Analysis (DPOJET)		–
and the design of	i la desta ha de stadata e al	a finlanda ila Kashi MANA	ika in 1 k in 1 k i i k	h la dan di dini da da		Results Table	deservation of the state	
in a second second						Serial Error Detector		
1	INCONTRACTOR					USB2.0 Test Package		
EINK			1 TS2	TS1		DVI Compliance Test Solution	HPSTAR	
	WOrdered Set 60 byte	ismanianiani		*** *************		Ethernet Compliance Test Software	+ +++++++++++++++++++++++++++++++++++++	***** ****
+ 8b10b			•			Protocol Trigger and Decode		
Data0						CAN and LIN Timing and Protocol Decode Software		
	<u>. </u>					HDMI Compliance Test Software(1.4)		
C1 200m	nV/div 50Ω ^{II}	₩:20.0G				Serial Data Link Analysis	GS/s 20.0	ps/pt
Z1C1 200m	nV 40.0ns -2.58µs	-2.18µs				TekExpress M-PHY Rx	Single Seq	
						TekExpress SFP+ QSFP+ Tx	RL:1.0	M
						TekExpress DisplayPort	14, 2014	2.32.07
8°	SSIC Protocol	lacadar				PCIExpress		X
	Bus	ecodel		<u>NGKENGHERGHERENGKENGHERENG</u>		Power Analysis		_
Bus	B1 🔻	Bus 1				USB 3.0 Essentials	-	
Reports		On	No of Lanes:	1		MIPI® D-PHY Essentials	_	
		Clear Bus	10 01 241001			MIPI® M-PHY Essentials	_	
			Mode:	HS V		SEP+ QSEP+ Tx	_	
		Labol	HS Gear:	Gear1A 🔻		<u>1</u> 0G-KR		
		B1				UHS-II-Device-Tx		
		Bus1 Position				eDP	able	
		0.0div a				UHS-II-Host-T×		
						MOST Essentials		J
						SAS3		



Click on Bus and set it to the bus chosen in SSIC Protocol Decoder. It automatically sets it to the bus that is turned 'ON'. The bus must be turned 'ON' to define a search. Click on the Configure tab to see all of the available search options. Select the desired search option and click ON.

File Edit Ve	rtical Digital Horiz	r/Acq Trig Display	Cursors Measure	Mask Math MyScope	Analyze Utilities Help	мsо72	olo Tek 📃 🔀
		00 - 00 - 00 - 00 - 00 - 00 10 - 10 - 10			10 00 00 00 00 00 00 10 00 00 00 00 00 00	X)) () () () () () () () () () () () () (
ngal yladaiga 1 8 Bl LNK		en el no d'in la internet ha très et	TS1 T	TSEQ OS TS1 OS TS2 OS SKP OS		DP	DP
00 — 12H Y000 1 1 1 + 18b 10b 1 Data0	WOrdered Set 50 (LCSTART OS HPSTART OS DPP OS			
C1 200 Z1C1 200	mV/div 500 mV 40.0ns -2.58	Ω ^B W:20.0G μs -2.18μs		DPPABORT C DP Packets ITP Packets LMP Packets TP Packets	DS 70.0V	2.0µs/div Stopped 1 acqs Man Jan	50.0GS/s 20.0ps/pt Single Seq RL:1.0M
3°	Search - Confi	gure		Any Ctrl Chara Error	acter		All Searches X
Select Configure Results	✓ All Type ✓ 1 ▼ Bus	Source B1:Custom	Custom Bus	Error	•		Mark Prev Next > Set/Ctr
View Mode	Cop	V					Bring Cursor to Mark Cursor 1 Cursor 2 Bring Zoom to Mark
Mode	Cop Settin	y us					Bring Cursor to Ma Cursor 1 Cursor Bring Zoom to Mar Zoom 2 Zoom

If Search hits are present they are highlighted with markers.

Go to the Results Tab to view the Search hits in a tabular form. Clicking on the search hit zooms and centers the occurrence to the scope screen.

File	Edit	Vertical	Digital	Horiz/Acq	Trig Display	Cursors M	easure	Mask	Math N	lyScope	Analyze Utilitie	s Help	V	MS07	20046 Tek		X
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	B1 LNK					TS1	У Т	S2	TS1	TRAVILI	TS2 X F	IPSTART	DP DPP:	15 byte	es HF	DP PSTART	,
<u>ax</u>	- IPHY		dered/Se	r 60 bytes).		**********	+ +++++++	********		+++++ ++	******		** ********		*******	*******	****
	+ Sb1	0b								i i i i i i i i i i i i i i i i i i i							
																anit hani a shirifa	
ſ	<mark>C1</mark> 2	:00mV/d	iv	50Ω ^B ₩:	20.0G						A' c1 /	0. 0V	2.	.0µs/div	/ 50.0GS/s	20.0ps/pt	
	Z1C1 2	:00mV -	40.0ns	-2.58µs -2	.18µs								S		Single S	eq	
													1 M	acqs Ian Ja	anuary 14, 2014	RL:1.0M 4 12:27:	:26
37															All C		
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	Johngu	e	71 34	Bus	B1: Custor	n -2.441US	000 0	000 000	064 0	199	151 TS1				Draw	Nort b	
	Results		35	Bus	B1: Custor	n -1.993us	000 0	000 000	383 9	998	TS1	_			TPIEU	Next P	
			36	Bus	B1: Custor	n -1.929us	000 (000 000	064 0	000	TS1				Set	n l	
	View		37	Bus	B1: Custor	n -1.545us	000 (000 000	383 9	999	TS1						
			Harry Mar	den im Table		∆Z1,Z2									Bring Curse	or to Mark	
	Mode		User Ma	rks in Table	9	AZ2,23		_		-	Total Marks:	88			Dring Curst		
	_	(Set	Clear)	10 1120							View	Cursor 1 Cursor 2			
			Set All	Clear All) (Di	igits >>)	gits >>) (< <digits)< th=""><th colspan="3">Export Count</th><th colspan="3">Bring Zoom to Mark</th></digits)<>					Export Count			Bring Zoom to Mark		
			_					-			_					-	

Once search is defined you can also view the Marks in the Decode Table.

Fib	e Edit	Ver	tical [Digital	Horiz/Acq	Trig	Display	Cursors	Measure	Mask	Math	MyScope	Analyze	Utilities	Help			MSO		Tek		X
	3.4.	A .4					A.A .		4.A.A				A.A.A									
0	₿B1				00 00 00			0 00 00	00 00 00		- ++ - +	0 00 00	00 00 00	- 00 - 00	- 00 - 0			- 10 - 11	-01-01			-11-11
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								V														
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1	- B1-		ЦЦ						L HILL		Ш.						DP				DP	
٦.		<						TS1		S2	ET S	S1 X	TS2	HP	START		DPP:	15 byt	es	(HP	START	
	(X) — (R)	WXXXX	WOrde	red/Set	60 bytes i	XX Re-	sults Tahli															
	+ 8	b10b					31 🖃 🖪	I.LNK 🖃	B1.LNK.PH	IY 🖃 🛛	B1.LNK	PHY.8B10B	Mark	8							Dock	
	Dat	aO				" F	Index	Time	Time De	elta Typ	e Sou	rce	Descrip	tion								
L		- 1					19	-5.51ι	64.00	Dn Bus	6 BUS	1.LNK.PH	Y TS1								Optio	ins 🔻
	C1	200m	V/div		50Ω ^B W	21	20 21	-5.13u	384.00 64.00)n Bus)n Bus	BUS BUS	1.LNK.PH 1.LNK.PH	Y TS1							_	EVI	nort
	Z1C1	200m	iV 40.	Ons -	2.58µs -2	.1	22	-4.681	384.00	On Bus	6 BUS	1.LNK.PH	Y TS1								C.M	
							23	-4.621	1 64.00 1 384.00	on Bus On Bus	6 BUS	1.LNK.PH 1.LNK.PH	Y TS1 Y TS1							_	Cc	. Vac
							25	-4.17	64.00	n Bus	BUS	1.LNK.PH	Y TS1								Cent	
F			_				26	-3.72	64.00	n Bus Dn Bus	6 BUS	1.LNK.PH 1.LNK.PH	Y TS1							_	Sel	lings
			Resu	its: M	ark Tabl	e	28	-3.341	384.00)n Bus	BUS	1.LNK.PH	Y TS1							=	Cli	ose
	Sele	ct		Index	Туре		30	-2.89	384.00	n Bus	5 BUS	1.LNK.PH	Y TS1									
	Confid			32	Bus		31	-2.821	64.00	n Bus	BUS	1.LNK.PH	Y TS1									
	Coning	jure	Z	33	Bus		33	-2.38	64.00	On Bus	5 BUS	1.LNK.PH	Y TS1							_		
		ilts	F	35	Bus		34	-1.99	384.00	n Bus	BUS	1.LNK.PH	Y TS1									
	Vie		E	37	Bus		36	-1.55	384.00	n Bus	5 BUS	1. LNK. PH	Y TS1									
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			s	et All	Clear All		42	-201.00r	384.00	n Bus	BUS	1.LNK.PH	Y TS1									
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L			PS I			٦Ŀ	45	311 001	64 00	n Rus	RUS	1 І МК РН	Y TS1							*		

Trigger

We can trigger on a SSIC signal using one of these options.

ASM event trigger

- 1. Define the SSIC bus.
- 2. Configure the Search tab for the desired search condition.
- 3. Set the oscilloscope in Single mode.
- 4. Check Stop Acquisition if the event was found in the Mode tab.

	Search - Mode	All Searches 🗴
Select	Stop Acquisition	
Configure	if event found	Mark
Results		Satistic
View		
Mode		Cursor 1 Cursor 2
		Bring Zoom to Mark
		Zoom 2 Zoom 3

The signal is acquired and the packets are decoded. The oscilloscope triggers when a match is found on the search condition.

STU 6.25 Gbps trigger

- 1. Put the scope in the Run mode and start acquiring a SSIC complaint waveform.
- 2. Set Trigger Type to 'Serial'.
- 3. Set the Data Src to the channel that you want to trigger on.
- 4. Choose Standard as 'Custom'.
- 5. Set Coding to 'S8b10b' and set Bit Rate as per the SSIC signal acquired.
- 6. Key in the 8b10b code (in binary or hex format) and wait for trigger. The UI allows you to enter up to 40 bits.

;·	Trigger - Serial P	attern			A	:Serial → Acquire	Ø
A Event	Trigger Type Serial	Clk Src	Data Src	Standard		Trigger On	
A->B Seq	Select	R Clk	Ch 1 🔻	Custom 🔻	Data Level	Pattern V	
B Event Visual Trigger	Mark All Trigger Events in Record		Coding S8b10b T	Bit Rate 1.25Gb/s a	R CIK MM		
					0011111010		
	Settings			Format			
	Shared •			Binary T	Edit		

The Bit Rate changes as per SSIC Gears

Once the trigger condition occurs, the oscilloscope triggers. Turn the SSIC bus ON to view the decoding.

File	Edit Vertio	al Digital Hor	iz/Acq Trig	Display	Cursors	Measure	Mask I	Math MySc	ope Ana	lyze Utili	ties He	Ip 🔽		MSO72	04 Tek		X
0	в 1000000000							ana nama									
							ادری وریاست ا										
	111								11	11							
<u>61</u>	B1 D25.2	D30.5+	D23.6-	D3.	1	D7.2+	K28.5	+ D3	D.5- X	D23.6+	<u> </u>	D3.1	D7.2	X	D11.3- 🚶	D15.4	<u>ا الجارما</u>
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View test results

Results

Set Decode Table to 'ON' to view the Results Table. The Decode Table shows the packet decode details in a tabular form. Each of the hierarchical layers show up as a tab in the Table. Clicking on the packet zooms and centers the corresponding packet on the scope screen and the packets are highlighted in yellow.

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Packet decode results table

The additional field information shows up in the table as shown in figure below. You can expand collapse the icon to view packet details.

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	+ 202 -2.38u DPP 15 bytes	
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Reports	■ 209 -2.08u HPSTART	
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	CRC	
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BI	Link Control	
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Dock

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Options

Allows you to Recall, Save and Customize a Table Layout. Only the Ordering and visibility can be customized. These settings are applicable per tab.

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Export – Allows the user to export the desired columns to a .csv file based on user Settings.

Copy - Allows user to Copy or Export the selected Columns

Close - Closes the Decode Table

Reports panel overview

Use the Reports panel to open reports, name and save reports, select report content to include, and select report viewing options. Click on the Reports tab to show the report configuration options. If the oscilloscope is in Free Run, the acquisition is stopped before the Report is generated. The report can be output in both mht and pdf formats; the default report location is C:\Users\<username>\Tektronix\TekApplications\SSIC\Reports

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		SSIC Protocol Decoder	
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Reports panel

The Reports Panel provides options to:

- Report Name field specify the test name and location in this field.
- Browse button click on the Browse button to navigate to the test report location.
- Format you can choose .mht or .pdf format for the report.
- Generated by shows the user login name by default, and can be user-modified. The text appears in the generated Report
- Include Search Results in report (unchecked by default) check this box to include the user defined search results. Results are saved in csv format. Only user defined searches will be saved under C:\Users\<username>\Tektronix\TekApplications\SSIC\Reports\<ReportName>\Search.csv.
- Save Waveform Files (unchecked by default) check this box to save the .wfm file with the report. The current active .wfm files are saved under C:\Users\<username>\Tektronix\TekApplications\SSIC\Reports\<Reports\<Reports\<username>\Waveforms.
- Save Packet Errors check this box to include the resultant decode errors. The packet errors are saved in csv format. Path: C:\Users\<username>\Tektronix\TekApplications\SSIC\Reports\<ReportName>\Error.csv.
- Add Comments button Click to add additional comments to the results.

Save the current Results table in .csv format under:

C:\Users\<username>\Tektronix\TekApplications\SSIC\Reports\<ReportName>\PacketResults.csv

Report contents

A Protocol report shows specified test details, as defined in the Reports panel.

Table 3: Oscilloscope configuration

Model	DP071254
Serial No.	****
Version	6.8.1 Build 3
SSIC Decoder Version	1.0.0.1

Table 4: Global configuration

Sample rate	1.25 Gbps
Record length	5M
Trigger	Type: Serial Pattern Trigger, Input: Ch1, Bit Stream: 0010001111b

Table 5: Protocol configuration

No of lanes	4	
Gear	Gear 1A	
Mode	HS	
Speed	1.25 Gbps	
Lane0	Input: Ch1, Threshold: 0 mV	
Lane1	Input: Ch2, Threshold: 0 mV	
Lane2	Input: Ch3, Threshold: 0 mV	
Lane3	Input: Ch4, Threshold: 0 mV	

User Comments

You can enter additional comments to be included in the report. Access the report from the Reports Tab.



See also

View test results (see page 19)

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