

Serial Support Using Oscilloscopes and Optional Software

SELECTION GUIDE



SERIAL SUPPORT BY MSO/DPO PRODUCT SERIES AND REQUIRED OPTIONAL SOFTWARE

		MSO/DPO7000C/DX Series			DPO7000C Series			
		Serial Standard	Decode & Search	Serial Trigger	Compliance Test	Decode & Search	Serial Trigger	Compliance Test
Embedded	I ² C		SR-EMBD	SR-EMBD	-	SR-EMBD	SR-EMBD	-
	SPI		SR-EMBD	SR-EMBD	-	SR-EMBD	SR-EMBD	-
	I3C		-	-	-	-	-	-
	RS-232/UART		SR-COMP	SR-COMP	-	SR-COMP	SR-COMP	-
	SPMI		-	-	-	-	-	-
	I ² S		-	-	-	-	-	-
Transportation	CAN		SR-AUTO	SR-AUTO	-	SR-AUTO	SR-AUTO	-
	CAN FD		-	-	-	-	-	-
	LIN		SR-AUTO	SR-AUTO	-	SR-AUTO	SR-AUTO	-
	FlexRay		SR-AUTO	SR-AUTO	-	SR-AUTO	SR-AUTO	-
	MOST		-	-	MOST	-	-	MOST
	SENT		-	-	-	-	-	-
	Automotive Ethernet		-	-	BRR	-	-	BRR
	ARINC 429		-	-	-	-	-	-
	MIL-STD-1553B		SR-AERO	SR-AERO	-	SR-AERO	SR-AERO	-
	Computer / Peripherals	USB 2.0		SR-USB	SR-USB (LS, FS)	USB2	SR-USB	SR-USB (LS, FS)
USB 3.0			SR-USB	-	USB3, TEKEXP Opt. USB-RMT, USB-TX	-	-	-
MIPI D-PHY			SR-DPHY	-	D-PHY, TEKEXP Opt. D-PHYTX	SR-DPHY	-	D-PHY TEKEXP Opt. D-PHYTX
MIPI M-PHY			-	-	M-PHY, M-PHYTX, M-PHYRX	-	-	-
PCIe			SR-PCIE	-	PCE3	SR-PCIE	-	-
DiVA			-	-	TEKEXP Opt. DIIVA	-	-	-
DisplayPort			-	-	DP12, TEKEXP Opt. DP-SINK	-	-	-
HDMI			-	-	HT3, HT3DS	-	-	-
MHL			-	-	MHD	-	-	-
SATA			-	-	SATA-RSG, SATA-TSG	-	-	-
SAS3			-	-	SAS3, SAS-TSG, SAS-TSGW	-	-	-
Thunderbolt			-	-	TBT-TX	-	-	-
UHS-II			-	-	UHS2	-	-	-
Memory	DDR		-	-	DDRA, DDR-LP4	-	-	DDRA
Datacom	Ethernet		SR-ENET	-	ET3, XBGT2, NBASET	SR-ENET	-	ET3, XBGT2, NBASET
	Comm. Mask Testing		-	-	MTH	-	-	MTM
	Fibre Channel		-	-	FC-16G	-	-	-
	10GBASE-T KR		-	-	10G-KR	-	-	-
	SFP+		-	-	SFP-TX, SFP-WDP	-	-	-
Advanced Analysis	Custom Serial		SR-CUST	-	-	SR-CUST	-	-
	8b/10b		SR-810B	-	-	SR-810B	-	-
	NRZ Serial		-	ST6G	-	-	ST1G	-
	PAM4		-	-	PAM4	-	-	-
	Serial Data Link Analysis		-	-	SDLA64	-	-	-
	Jitter & Eye Diagram Analysis		-	-	DJA (DJE incl. std), DJAN	-	-	DJA (DJE incl. std), DJAN

SERIAL SUPPORT BY MSO PRODUCT SERIES AND REQUIRED OPTIONAL SOFTWARE

		6 Series MSO			5 Series MSO			
		Serial Standard	Decode & Search	Serial Trigger	Compliance Test	Decode & Search	Serial Trigger	Compliance Test
Embedded	I ² C		6-SREMBD	6-SREMBD	-	5-SREMBD	5-SREMBD	-
	SPI		6-SREMBD	6-SREMBD	-	5-SREMBD	5-SREMBD	-
	I3C		6-SRI3C	-	-	5-SRI3C	-	-
	RS-232/UART		6-SRCOMP	6-SRCOMP	-	5-SRCOMP	5-SRCOMP	-
	SPMI		6-SRPM	6-SRPM	-	5-SRPM	5-SRPM	-
	I ² S		6-SRAUDIO	6-SRAUDIO	-	5-SRAUDIO	5-SRAUDIO	-
Transportation	CAN		6-SRAUTO	6-SRAUTO	-	5-SRAUTO	5-SRAUTO	-
	CAN FD		6-SRAUTO	6-SRAUTO	-	5-SRAUTO	5-SRAUTO	-
	LIN		6-SRAUTO	6-SRAUTO	-	5-SRAUTO	5-SRAUTO	-
	FlexRay		6-SRAUTO	6-SRAUTO	-	5-SRAUTO	5-SRAUTO	-
	MOST		-	-	-	-	-	-
	SENT		6-SRAUTOSEN	6-SRAUTOSEN	-	5-SRAUTOSEN	5-SRAUTOSEN	-
	Automotive Ethernet		-	-	6-CMAUTOEN	-	-	5-CMAUTOEN
	ARINC 429		6-SRAERO	6-SRAERO	-	5-SRAERO	5-SRAERO	-
	MIL-STD-1553B		6-SRAERO	6-SRAERO	-	5-SRAERO	5-SRAERO	-
Computer / Peripherals	USB 2.0		6-SRUSB2	6-SRUSB2	6-CMUSB2	5-SRUSB2	5-SRUSB2	5-CMUSB2
	USB 3.0		-	-	-	-	-	-
	MIPI D-PHY		-	-	6-CMDPHY	-	-	-
	MIPI M-PHY		-	-	-	-	-	-
	PCIe		-	-	-	-	-	-
	DiiVA		-	-	-	-	-	-
	DisplayPort		-	-	-	-	-	-
	HDMI		-	-	-	-	-	-
	MHL		-	-	-	-	-	-
	SATA		-	-	-	-	-	-
	SAS3		-	-	-	-	-	-
	Thunderbolt		-	-	-	-	-	-
UHS-II		-	-	-	-	-	-	
Memory	DDR		-	-	6-DBDDR3 (DDR3 debug and analysis), 6-CMDDR3	-	-	-
Datacom	Ethernet		6-SRENET	6-SRENET	6-CMENET, 6-CMNBASET, 6-CMXGBT	5-SRENET	5-SRENET	5-CMENET
	Comm. Mask Testing		-	-	-	-	-	-
	Fibre Channel		-	-	-	-	-	-
	10GBASE-T KR		-	-	-	-	-	-
	SFP+		-	-	-	-	-	-
Advanced Analysis	Custom Serial		-	-	-	-	-	-
	8b/10b		-	-	-	-	-	-
	NRZ Serial		-	-	-	-	-	-
	PAM4		-	-	-	-	-	-
	Serial Data Link Analysis		-	-	-	-	-	-
	Jitter & Eye Diagram Analysis		-	-	6-DJA	-	-	5-DJA

SERIAL SUPPORT BY MSO/MDO PRODUCT SERIES AND REQUIRED OPTIONAL SOFTWARE

		4 Series MSO			MDO4000C Series			
		Serial Standard	Decode & Search	Serial Trigger	Compliance Test	Decode & Search	Serial Trigger	Compliance Test
Embedded	I ² C		4-SREMBD	4-SREMBD	-	DPO4EMBD	DPO4EMBD	-
	SPI		4-SREMBD	4-SREMBD	-	DPO4EMBD	DPO4EMBD	-
	I3C		4-SRI3C	-	-	-	-	-
	RS-232/UART		4-SRCOMP	4-SRCOMP	-	DPO4COMP	DPO4COMP	-
	SPMI		4-SRPM	4-SRPM	-	-	-	-
	I ² S		4-SRAUDIO	4-SRAUDIO	-	DPO4AUDIO	DPO4AUDIO	-
Transportation	CAN		4-SRAUTO	4-SRAUTO	-	DPO4AUTO	DPO4AUTO	-
	CAN FD		4-SRAUTO	4-SRAUTO	-	DPO4AUTO	DPO4AUTO	-
	LIN		4-SRAUTO	4-SRAUTO	-	DPO4AUTO	DPO4AUTO	-
	FlexRay		4-SRAUTO	4-SRAUTO	-	DPO4AUTOMAX	DPO4AUTOMAX	-
	MOST		-	-	-	-	-	-
	SENT		4-SRAUTOSEN	4-SRAUTOSEN	-	-	-	-
	Automotive Ethernet		-	-	-	-	-	-
	ARINC 429		4-SRAERO	4-SRAERO	-	DPO4AERO	DPO4AERO	-
	MIL-STD-1553B		4-SRAERO	4-SRAERO	-	DPO4AERO	DPO4AERO	-
						DPO4USB	DPO4USB	-
Computer / Peripherals	USB 2.0		4-SRUSB2	4-SRUSB2	-	-	-	-
	USB 3.0		-	-	-	-	-	-
	MIPI D-PHY		-	-	-	-	-	-
	MIPI M-PHY		-	-	-	-	-	-
	PCIe		-	-	-	-	-	-
	DiiVA		-	-	-	-	-	-
	DisplayPort		-	-	-	-	-	-
	HDMI		-	-	-	-	-	-
	MHL		-	-	-	-	-	-
	SATA		-	-	-	-	-	-
	SAS3		-	-	-	-	-	-
	Thunderbolt		-	-	-	-	-	-
	UHS-II		-	-	-	-	-	-
Memory	DDR		-	-	-	-	-	-
Datacom	Ethernet		4-SRENET	4-SRENET	-	DPO4ENET	DPO4ENET	-
	Comm. Mask Testing		-	-	-	-	-	DPO4LMT
	Fibre Channel		-	-	-	-	-	-
	10GBASE-T KR		-	-	-	-	-	-
	SFP+		-	-	-	-	-	-
Advanced Analysis	Custom Serial		-	-	-	-	-	-
	8b/10b		-	-	-	-	-	-
	NRZ Serial		-	-	-	-	-	-
	PAM4		-	-	-	-	-	-
	Serial Data Link Analysis		-	-	-	-	-	-
	Jitter & Eye Diagram Analysis		-	-	-	-	-	-

SERIAL SUPPORT BY MDO PRODUCT SERIES AND REQUIRED OPTIONAL SOFTWARE

		3 Series MDO			MD03000 Series			
		Serial Standard	Decode & Search	Serial Trigger	Compliance Test	Decode & Search	Serial Trigger	Compliance Test
Embedded	I ² C		3-SREMBD	3-SREMBD	-	MD03EMBD	MD03EMBD	-
	SPI		3-SREMBD	3-SREMBD	-	MD03EMBD	MD03EMBD	-
	I3C		-	-	-	-	-	-
	RS-232/UART		3-SRCOMP	3-SRCOMP	-	MD03COMP	MD03COMP	-
	SPMI		-	-	-	-	-	-
	I ² S		3-SRAUDIO	3-SRAUDIO	-	MD03AUDIO	MD03AUDIO	-
Transportation	CAN		3-SRAUTO	3-SRAUTO	-	MD03AUTO	MD03AUTO	-
	CAN FD		3-SRAUTO	3-SRAUTO	-	MD03AUTO	MD03AUTO	-
	LIN		3-SRAUTO	3-SRAUTO	-	MD03AUTO	MD03AUTO	-
	FlexRay		3-SRAUTO	3-SRAUTO	-	MD03FLEX	MD03FLEX	-
	MOST		-	-	-	-	-	-
	SENT		-	-	-	-	-	-
	Automotive Ethernet		-	-	-	-	-	-
	ARINC 429		3-SRAERO	3-SRAERO	-	-	-	-
	MIL-STD-1553B		3-SRAERO	3-SRAERO	-	MD03AERO	MD03AERO	-
Computer / Peripherals	USB 2.0		3-SRUSB2	3-SRUSB2	-	MD03USB	MD03USB	-
	USB 3.0		-	-	-	-	-	-
	MIPI D-PHY		-	-	-	-	-	-
	MIPI M-PHY		-	-	-	-	-	-
	PCIe		-	-	-	-	-	-
	DiIWA		-	-	-	-	-	-
	DisplayPort		-	-	-	-	-	-
	HDMI		-	-	-	-	-	-
	MHL		-	-	-	-	-	-
	SATA		-	-	-	-	-	-
	SAS3		-	-	-	-	-	-
	Thunderbolt		-	-	-	-	-	-
	UHS-II		-	-	-	-	-	-
Memory	DDR		-	-	-	-	-	-
Datacom	Ethernet		-	-	-	-	-	-
	Comm. Mask Testing		-	-	-	-	-	MD03LMT
	Fibre Channel		-	-	-	-	-	-
	10GBASE-T KR		-	-	-	-	-	-
	SFP+		-	-	-	-	-	-
Advanced Analysis	Custom Serial		-	-	-	-	-	-
	8b/10b		-	-	-	-	-	-
	NRZ Serial		-	-	-	-	-	-
	PAM4		-	-	-	-	-	-
	Serial Data Link Analysis		-	-	-	-	-	-
	Jitter & Eye Diagram Analysis		-	-	-	-	-	-

SERIAL SUPPORT BY MSO/DPO PRODUCT SERIES AND REQUIRED OPTIONAL SOFTWARE

		MSO/DPO2000B Series			MSO/DPO5000B Series			
		Serial Standard	Decode & Search	Serial Trigger	Compliance Test	Decode & Search	Serial Trigger	Compliance Test
Embedded	I ² C		DPO2EMBD	DPO2EMBD	-	SR-EMBD	SR-EMBD	-
	SPI		DPO2EMBD	DPO2EMBD	-	SR-EMBD	SR-EMBD	-
	I3C		-	-	-	-	-	-
	RS-232/UART		DPO2COMP	DPO2COMP	-	SR-COMP	SR-COMP	-
	SPMI		-	-	-	-	-	-
	I ² S		-	-	-	-	-	-
Transportation	CAN		DPO2AUTO	DPO2AUTO	-	SR-AUTO	SR-AUTO	-
	CAN FD		-	-	-	-	-	-
	LIN		DPO2AUTO	DPO2AUTO	-	SR-AUTO	SR-AUTO	-
	FlexRay		-	-	-	SR-AUTO	SR-AUTO	-
	MOST		-	-	-	-	-	MOST
	SENT		-	-	-	-	-	-
	Automotive Ethernet		-	-	-	-	-	BRR
	ARINC 429		MDO3AERO	MDO3AERO	-	-	-	-
MIL-STD-1553B		-	-	-	SR-AERO	SR-AERO	-	
Computer / Peripherals	USB 2.0		-	-	-	SR-USB	SR-USB	USB2
	USB 3.0		-	-	-	-	-	-
	MIPI D-PHY		-	-	-	SR-DPHY	-	-
	MIPI M-PHY		-	-	-	-	-	-
	PCIe		-	-	-	SR-PCIE	-	-
	DiVA		-	-	-	-	-	-
	DisplayPort		-	-	-	-	-	-
	HDMI		-	-	-	-	-	-
	MHL		-	-	-	-	-	-
	SATA		-	-	-	-	-	-
	SAS3		-	-	-	-	-	-
	Thunderbolt		-	-	-	-	-	-
	UHS-II		-	-	-	-	-	-
Memory	DDR		-	-	-	-	-	DDRA
Datacom	Ethernet		-	-	-	SR-ENET	SR-ENET	ET3
	Comm. Mask Testing		-	-	-	-	-	MTM
	Fibre Channel		-	-	-	-	-	-
	10GBASE-T KR		-	-	-	-	-	-
	SFP+		-	-	-	-	-	-
Advanced Analysis	Custom Serial		-	-	-	SR-CUST	-	-
	8b/10b		-	-	-	SR-810B	-	-
	NRZ Serial		-	-	-	-	-	-
	PAM4		-	-	-	-	-	-
	Serial Data Link Analysis		-	-	-	-	-	-
	Jitter & Eye Diagram Analysis		-	-	-	-	-	DJA (DJE incl. std), DJAN

Contact Information

Australia* 1 800 709 465
Austria 00800 2255 4835
Balkans, Israel, South Africa and other ISE Countries +41 52 675 3777
Belgium* 00800 2255 4835
Brazil +55 (11) 3759 7627
Canada 1 800 833 9200
Central East Europe / Baltics +41 52 675 3777
Central Europe / Greece +41 52 675 3777
Denmark +45 80 88 1401
Finland +41 52 675 3777
France* 00800 2255 4835
Germany* 00800 2255 4835
Hong Kong 400 820 5835
India 000 800 650 1835
Indonesia 007 803 601 5249
Italy 00800 2255 4835
Japan 81 (3) 6714 3086
Luxembourg +41 52 675 3777
Malaysia 1 800 22 55835
Mexico, Central/South America and Caribbean 52 (55) 56 04 50 90
Middle East, Asia, and North Africa +41 52 675 3777
The Netherlands* 00800 2255 4835
New Zealand 0800 800 238
Norway 800 16098
People's Republic of China 400 820 5835
Philippines 1 800 1601 0077
Poland +41 52 675 3777
Portugal 80 08 12370
Republic of Korea +82 2 565 1455
Russia / CIS +7 (495) 6647564
Singapore 800 6011 473
South Africa +41 52 675 3777
Spain* 00800 2255 4835
Sweden* 00800 2255 4835
Switzerland* 00800 2255 4835
Taiwan 886 (2) 2656 6688
Thailand 1 800 011 931
United Kingdom / Ireland* 00800 2255 4835
USA 1 800 833 9200
Vietnam 12060128

* European toll-free number. If not accessible, call: +41 52 675 3777

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