

Serial Support Using Oscilloscopes and Optional Software

SELECTION GUIDE



SERIAL SUPPORT BY OSCILLOSCOPE SERIES AND REQUIRED OPTIONAL SOFTWARE

		MSO/DP070000C/DX Series			
		Serial Standard	Decode & Search	Serial Trigger	Compliance & Debug
Embedded	I2C		SR-EMBD	SR-EMBD	-
	SPI		SR-EMBD	SR-EMBD	-
	RS-232/422/485/UART		SR-COMP	SR-COMP	-
Automotive	CAN		SR-AUTO	SR-AUTO	-
	LIN		SR-AUTO	SR-AUTO	-
	FlexRay		SR-AUTO	SR-AUTO	-
	MOST		-	-	MOST
	Automotive Ethernet		-	-	BRR
Aero	MIL-STD-1553B		SR-AERO	SR-AERO	-
Computer / Peripherals	USB 2.0		SR-USB	SR-USB (LS, FS)	USB2
	USB 3.0		SR-USB	-	USB3, USBSSP-TX
	USB Power		-	-	USBPWR
	MIPI C-PHY		-	-	C-PHY
	MIPI D-PHY		SR-DPHY	-	D-PHY, DPHY12
	MIPI M-PHY		-	-	M-PHY, M-PHYTX
	PCIe		SR-PCIE	SR-PCIE	PCE3, PCE4
	DisplayPort		-	-	DP12, DP14
	Embedded DisplayPort		-	-	EDP, EDP14
	HDMI		-	-	HT3, HDM, HD21
	SATA		-	-	SATA-RSG, SATA-TSG
	SAS3		-	-	SAS3, SAS3-TSG, SAS3-TSGW
	SAS4		-	-	SAS4-TSG
	Thunderbolt		-	-	TBT-TX
	LVDS		-	-	LV DSTX
Memory	DDR		DDRA, DDR5SYS	-	DDRA, DDR5SYS
	LPDDR		DDR-LP4	-	DDR-LP4
Datacom	Ethernet		SR-ENET	-	CMENET3, ET3, NBASET, XBGT2
	Comm. Mask Testing		-	-	MTH
	Fibre Channel		-	-	FC-16G
	10GBASE-KR/KR4		-	-	10G-KR
	40GBASE-CR4		-	-	40G-CR4
	100G Ethernet TX		-	-	100G-TXE
	400G Ethernet TX		-	-	400G-TXE
	SFP+/QSFP+		-	-	SFP-TX, SFP-WDP
Serial Analysis	Custom Serial		SR-CUST	-	-
	8b/10b		SR-810B, ST6G	SR-810B, ST6G	-
	NRZ Serial		-	ST6G	-
	64b/66b		-	-	-
	PAM4		-	-	PAM4, PAM4-0
	Serial Data Link Analysis		-	-	SDLA64
	Jitter, Noise & Eye Diagram Analysis		-	-	DJA, DJAN
	High-Speed Serial Error Detector		-	-	ERRDT
	High-Speed Serial Link Training Analysis		-	-	-
	Signal Correct		-	-	SC

		DP070000SX Series		
		Decode & Search	Serial Trigger	Compliance & Debug
		SR-EMBD	SR-EMBD	-
		SR-EMBD	SR-EMBD	-
		SR-COMP	SR-COMP	-
		SR-AUTO	SR-AUTO	-
		SR-AUTO	SR-AUTO	-
		SR-AUTO	SR-AUTO	-
		-	-	MOST
		-	-	BRR
		SR-AERO	SR-AERO	-
		SR-USB	SR-USB (LS, FS)	USB2
		-	-	USB3, USBSSP-TX
		-	-	USBPWR
		-	-	C-PHY
		SR-DPHY	-	D-PHY, DPHY12
		-	-	M-PHY, M-PHYTX
		SR-PCIE	SR-PCIE	PCE3, PCE4, PCE5
		-	-	DP12, DP14
		-	-	EDP, EDP14
		-	-	HT3, HDM, HD21
		-	-	SATA-TSG
		-	-	SAS3-TSG, SAS3-TSGW
		-	-	SAS4-TSG
		-	-	-
		-	-	-
		DDRA, DDR5SYS	-	DDRA, DDR5SYS
		DDR-LP4	-	DDR-LP4
		SR-ENET	-	CMENET3, ET3, NBASET, XBGT2
		-	-	-
		-	-	FC-16G
		-	-	10G-KR
		-	-	40G-CR4
		-	-	100G-TXE
		-	-	400G-TXE
		-	-	SFP-TX, SFP-WDP
		SR-CUST	-	-
		ST14G	ST14G	-
		-	ST14G	-
		SR-6466	SR-6466	-
		-	-	PAM4, PAM4-0
		-	-	SDLA64
		-	-	DJA, DJAN
		-	-	BITERR
		-	-	HSSLTA
		-	-	SC

SERIAL SUPPORT BY OSCILLOSCOPE 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-232/422/485/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	-
Automotive	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		-	-	-	-	-	-
	PSI5		6-SRPSI5	-	-	5-SRPSI5	-	-
	SENT		6-SRAUTOSEN	6-SRAUTOSEN	-	5-SRAUTOSEN	5-SRAUTOSEN	-
	Automotive Ethernet		6-SRAUTOEN1	-	6-CMAUTOEN, 6-CMAUTOEN10, 6-AUTOEN-SS, 6-AUTOEN-BND	5-SRAUTOEN1	-	5-CMAUTOEN, 5-CMAUTOEN10, 5-AUTOEN-SS, 5-AUTOEN-BND
Aero	ARINC 429		6-SRAERO	6-SRAERO	-	5-SRAERO	5-SRAERO	-
	MIL-STD-1553B		6-SRAERO	6-SRAERO	-	5-SRAERO	5-SRAERO	-
	SpaceWire		6-SRSPACEWIRE	-	-	5-SRSPACEWIRE	-	-
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		-	-	-	-	-	-
	DisplayPort		-	-	-	-	-	-
	eUSB2		6-EUSB2	-	-	5-EUSB2	-	-
	HDMI		-	-	-	-	-	-
	PSI5		6-PSI5	-	-	5-PSI5	-	-
	SATA		-	-	-	-	-	-
	SAS3		-	-	-	-	-	-
	SVID		6-SVID	-	-	5-SVID	-	-
	Thunderbolt		-	-	-	-	-	-
LVDS		-	-	6-DBLVDS (debug and analysis)	-	-	5-DBLVDS (debug and analysis)	
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
	Industrial Ethernet		-	-	6-CMINDUEN10	-	-	5-CMINDUEN10
	Comm. Mask Testing		-	-	-	-	-	-
	Fibre Channel		-	-	-	-	-	-
	MDIO		6-MDIO	-	-	5-MDIO	-	-
	10GBASE-KR/KR4		-	-	-	-	-	-
	SFP+/QSFP+		-	-	-	-	-	-
Serial Analysis	Custom Serial		-	-	-	-	-	-
	8b/10b		6-SR8B10B	-	-	5-SR8B10B	-	-
	NRZ Serial		6-SRNRZ	-	-	5-SRNRZ	-	-
	PAM3		-	-	6-PAM3	-	-	5-PAM3
	PAM4		-	-	-	-	-	-
	Serial Data Link Analysis		-	-	-	-	-	-
	Jitter & Eye Diagram Analysis		-	-	6-DJA	-	-	5-DJA

SERIAL SUPPORT BY OSCILLOSCOPE SERIES AND REQUIRED OPTIONAL SOFTWARE

		4 Series MSO			MD04000C 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-232/422/485/UART		4-SRCOMP	4-SRCOMP	-	DPO4COMP	DPO4COMP	-
	SPMI		4-SRPM	4-SRPM	-	-	-	-
	I ² S		4-SRAUDIO	4-SRAUDIO	-	DPO4AUDIO	DPO4AUDIO	-
Automotive	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		-	-	-	-	-	-
	PSI5		4-SRPSI5	-	-	-	-	-
	SENT		4-SRAUTOSEN	4-SRAUTOSEN	-	-	-	-
	Automotive Ethernet		-	-	-	-	-	-
Aero	ARINC 429		4-SRAERO	4-SRAERO	-	DPO4AERO	DPO4AERO	-
	MIL-STD-1553B		4-SRAERO	4-SRAERO	-	DPO4AERO	DPO4AERO	-
	SpaceWire		4-SRSPACEWIRE	-	-	-	-	-
Computer / Peripherals	USB 2.0		4-SRUSB2	4-SRUSB2	-	DPO4USB	DPO4USB	-
	USB 3.0		-	-	-	-	-	-
	MIPI D-PHY		-	-	-	-	-	-
	MIPI M-PHY		-	-	-	-	-	-
	PCIe		-	-	-	-	-	-
	DisplayPort		-	-	-	-	-	-
	eUSB2		4-EUSB2	-	-	-	-	-
	HDMI		-	-	-	-	-	-
	PSI5		4-PSI5	-	-	-	-	-
	SATA		-	-	-	-	-	-
	SAS3		-	-	-	-	-	-
	SVID		4-SVID	-	-	-	-	-
	Thunderbolt		-	-	-	-	-	-
	LVDS		-	-	-	-	-	-
Memory	DDR		-	-	-	-	-	-
Datacom	Ethernet		4-SRENET	4-SRENET	-	DPO4ENET	DPO4ENET	-
	Industrial Ethernet		-	-	-	-	-	-
	Comm. Mask Testing		-	-	-	-	-	DPO4LMT
	Fibre Channel		-	-	-	-	-	-
	MDIO		4-MDIO	-	-	-	-	-
	10GBASE-KR/KR4		-	-	-	-	-	-
	SFP+/QSFP+		-	-	-	-	-	-
Serial Analysis	Custom Serial		-	-	-	-	-	-
	8b/10b		-	-	-	-	-	-
	NRZ Serial		4-SRNRZ	-	-	-	-	-
	PAM4		-	-	-	-	-	-
	Serial Data Link Analysis		-	-	-	-	-	-
	Jitter & Eye Diagram Analysis		-	-	-	-	-	-

SERIAL SUPPORT BY OSCILLOSCOPE SERIES AND REQUIRED OPTIONAL SOFTWARE

		3 Series MDO			MDO3000 Series		
Serial Standard		Decode & Search	Serial Trigger	Compliance Test	Decode & Search	Serial Trigger	Compliance Test
Embedded	I ² C	3-SREMBD	3-SREMBD	-	MDO3EMBD	MDO3EMBD	-
	SPI	3-SREMBD	3-SREMBD	-	MDO3EMBD	MDO3EMBD	-
	I3C	-	-	-	-	-	-
	RS-232/422/485/UART	3-SRCOMP	3-SRCOMP	-	MDO3COMP	MDO3COMP	-
	SPMI	-	-	-	-	-	-
	I ² S	3-SRAUDIO	3-SRAUDIO	-	MDO3AUDIO	MDO3AUDIO	-
Automotive	CAN	3-SRAUTO	3-SRAUTO	-	MDO3AUTO	MDO3AUTO	-
	CAN FD	3-SRAUTO	3-SRAUTO	-	MDO3AUTO	MDO3AUTO	-
	LIN	3-SRAUTO	3-SRAUTO	-	MDO3AUTO	MDO3AUTO	-
	FlexRay	3-SRAUTO	3-SRAUTO	-	MDO3FLEX	MDO3FLEX	-
	MOST	-	-	-	-	-	-
	PSI5	-	-	-	-	-	-
	SENT	-	-	-	-	-	-
	Automotive Ethernet	-	-	-	-	-	-
Aero	ARINC 429	3-SRAERO	3-SRAERO	-	-	-	-
	MIL-STD-1553B	3-SRAERO	3-SRAERO	-	MDO3AERO	MDO3AERO	-
	SpaceWire	-	-	-	-	-	-
Computer / Peripherals	USB 2.0	3-SRUSB2	3-SRUSB2	-	MDO3USB	MDO3USB	-
	USB 3.0	-	-	-	-	-	-
	MIPI D-PHY	-	-	-	-	-	-
	MIPI M-PHY	-	-	-	-	-	-
	PCIe	-	-	-	-	-	-
	DisplayPort	-	-	-	-	-	-
	HDMI	-	-	-	-	-	-
	SATA	-	-	-	-	-	-
	SAS3	-	-	-	-	-	-
	Thunderbolt	-	-	-	-	-	-
	LVDS	-	-	-	-	-	-
Memory	DDR	-	-	-	-	-	-
Datacom	Ethernet	-	-	-	-	-	-
	Industrial Ethernet	-	-	-	-	-	-
	Comm. Mask Testing	-	-	-	-	-	MDO3LMT
	Fibre Channel	-	-	-	-	-	-
	10GBASE-KR/KR4	-	-	-	-	-	-
	SFP+/QSFP+	-	-	-	-	-	-
Serial Analysis	Custom Serial	-	-	-	-	-	-
	8b/10b	-	-	-	-	-	-
	NRZ Serial	-	-	-	-	-	-
	PAM4	-	-	-	-	-	-
	Serial Data Link Analysis	-	-	-	-	-	-
	Jitter & Eye Diagram Analysis	-	-	-	-	-	-

SERIAL SUPPORT BY OSCILLOSCOPE 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-232/422/485/UART	DPO2COMP	DPO2COMP	-	SR-COMP	SR-COMP	-
	SPMI	-	-	-	-	-	-
	I ² S	-	-	-	-	-	-
Automotive	CAN	DPO2AUTO	DPO2AUTO	-	SR-AUTO	SR-AUTO	-
	CAN FD	-	-	-	-	-	-
	LIN	DPO2AUTO	DPO2AUTO	-	SR-AUTO	SR-AUTO	-
	FlexRay	-	-	-	SR-AUTO	SR-AUTO	-
	MOST	-	-	-	-	-	MOST
	PSI5	-	-	-	-	-	-
	SENT	-	-	-	-	-	-
	Automotive Ethernet	-	-	-	-	-	BRR
Aero	ARINC 429	MD03AERO	MD03AERO	-	-	-	-
	MIL-STD-1553B	-	-	-	SR-AERO	SR-AERO	-
	SpaceWire	-	-	-	-	-	-
Computer / Peripherals	USB 2.0	-	-	-	SR-USB	SR-USB	USB2
	USB 3.0	-	-	-	-	-	-
	MIPI D-PHY	-	-	-	SR-DPHY	-	-
	MIPI M-PHY	-	-	-	-	-	-
	PCIe	-	-	-	SR-PCIE	-	-
	DisplayPort	-	-	-	-	-	-
	HDMI	-	-	-	-	-	-
	SATA	-	-	-	-	-	-
	SAS3	-	-	-	-	-	-
	Thunderbolt	-	-	-	-	-	-
	LVDS	-	-	-	-	-	-
Memory	DDR	-	-	-	-	-	DDRA
Datacom	Ethernet	-	-	-	SR-ENET	SR-ENET	CMENET3
	Industrial Ethernet	-	-	-	-	-	-
	Comm. Mask Testing	-	-	-	-	-	MTM
	Fibre Channel	-	-	-	-	-	-
	10GBASE-KR/KR4	-	-	-	-	-	-
	SFP+/QSFP+	-	-	-	-	-	-
Serial 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

SERIAL SUPPORT BY OSCILLOSCOPE SERIES AND REQUIRED OPTIONAL SOFTWARE

		DP07000C Series			
		Serial Standard	Decode & Search	Serial Trigger	Compliance Test
Embedded	I ² C		SR-EMBD	SR-EMBD	-
	SPI		SR-EMBD	SR-EMBD	-
	I3C		-	-	-
	RS-232/422/485/UART		SR-COMP	SR-COMP	-
	SPMI		-	-	-
	I ² S		-	-	-
Automotive	CAN		SR-AUTO	SR-AUTO	-
	CAN FD		-	-	-
	LIN		SR-AUTO	SR-AUTO	-
	FlexRay		SR-AUTO	SR-AUTO	-
	MOST		-	-	MOST
	PSI5		-	-	-
	SENT		-	-	-
	Automotive Ethernet		-	-	BRR
Aero	ARINC 429		-	-	-
	MIL-STD-1553B		SR-AERO	SR-AERO	-
	SpaceWire		-	-	-
Computer / Peripherals	USB 2.0		SR-USB	SR-USB (LS, FS)	USB2
	USB 3.0		-	-	-
	USB Power		-	-	USBPWR
	MIPI D-PHY		SR-DPHY	-	D-PHY TEKEXP Opt. D-PHYTX
	MIPI M-PHY		-	-	-
	PCIe		SR-PCIE	-	-
	DisplayPort		-	-	-
	HDMI		-	-	-
	SATA		-	-	-
	SAS3		-	-	-
	Thunderbolt		-	-	-
LVDS		-	-	LVDSTX	
Memory	DDR		-	-	DDRA
Datacom	Ethernet		SR-ENET	-	CMENET3, XBGT2, NBASET
	Industrial Ethernet		-	-	-
	Comm. Mask Testing		-	-	MTM
	Fibre Channel		-	-	-
	10GBASE-KR/KR4		-	-	-
	SFP+/QSFP+		-	-	-
Serial Analysis	Custom Serial		SR-CUST	-	-
	8b/10b		SR-810B	ST1G	-
	NRZ Serial		-	ST1G	-
	PAM4		-	-	-
	Serial Data Link Analysis		-	-	-
	Jitter & Eye Diagram Analysis		-	-	DJA (DJE incl. std), DJAN

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