

Index data used for the ‘TDM Market Memo 2023’

“Dot Com” Index Constituents

NYSE:HPQ	HP Inc.
NYSE:MSI	Motorola Solutions, Inc.
NasdaqGS:ERIC	Telefonaktiebolaget LM Ericsson (publ)
TSE:7751	Canon Inc.
NasdaqGS:XRX	Xerox Holdings Corporation
NYSE:ORCL	Oracle Corporation
NYSE:ARW	Arrow Electronics, Inc.
NYSE:DXC	DXC Technology Company
NYSE:UIS	Unisys Corporation
NasdaqGS:AVT	Avnet, Inc.
NasdaqGS:AAPL	Apple Inc.
NYSE:NCR	NCR Corporation
NasdaqGS:FLEX	Flex Ltd.
NasdaqGS:ADP	Automatic Data Processing, Inc.
NYSE:CLS	Celestica Inc.
NYSE:SAP	SAP SE
NYSE:GLW	Corning Incorporated
NasdaqGS:SANM	Sanmina Corporation
NasdaqGS:AGYS	Agilysys, Inc.
NYSE:JBL	Jabil Inc.
NasdaqGS:WDC	Western Digital Corporation
NYSE:VSH	Vishay Intertechnology, Inc.
NasdaqGS:NSIT	Insight Enterprises, Inc.
NasdaqGS:FISV	Fiserv, Inc.
NasdaqCM:KSPN	Kaspian Holdings Inc.
NYSE:DBD	Diebold Nixdorf, Incorporated
NasdaqGS:CDNS	Cadence Design Systems, Inc.
NasdaqGS:CNXN	PC Connection, Inc.
NasdaqGS:PTC	PTC Inc.
NasdaqGS:INTU	Intuit Inc.
NYSE:GIB	CGI Inc.
NasdaqGS:ADBE	Adobe Inc.
NYSE:APH	Amphenol Corporation
NYSE:RAMP	LiveRamp Holdings, Inc.
NYSE:BHE	Benchmark Electronics, Inc.
NasdaqGS:ADSK	Autodesk, Inc.
NYSE:IT	Gartner, Inc.
NasdaqGS:DOX	Amdocs Limited
NasdaqGS:GEN	Gen Digital Inc.

NYSE:CTS	CTS Corporation
NasdaqGS:VIAV	Viavi Solutions Inc.
NasdaqGS:PAYX	Paychex, Inc.
NasdaqGS:TTEC	TTEC Holdings, Inc.
NasdaqGS:LOGI	Logitech International S.A.
NYSE:CIEN	Ciena Corporation
NasdaqGS:PLXS	Plexus Corp.
NasdaqGS:CTG	Computer Task Group, Incorporated
NasdaqGS:NTAP	NetApp, Inc.
NasdaqGS:AVID	Avid Technology, Inc.
NYSE:ROP	Roper Technologies, Inc.
NYSE:MEI	Methode Electronics, Inc.
NasdaqGS:ZBRA	Zebra Technologies Corporation
NasdaqGS:SCSC	ScanSource, Inc.
NasdaqCM:STCN	Steel Connect, Inc.
NasdaqGS:ADTN	ADTRAN Holdings, Inc.
NasdaqGS:RELL	Richardson Electronics, Ltd.
NasdaqGS:FORT.Y	Formula Systems (1985) Ltd.
NasdaqGS:GILT	Gilat Satellite Networks Ltd.
NYSE:MMS	Maximus, Inc.
NasdaqGS:ACIW	ACI Worldwide, Inc.
NasdaqGS:NATI	National Instruments Corporation
NasdaqGS:CSGS	CSG Systems International, Inc.
NasdaqGS:LFUS	Littelfuse, Inc.
NasdaqGS:PRGS	Progress Software Corporation
NYSE:FICO	Fair Isaac Corporation
NasdaqGS:TRMB	Trimble Inc.
NasdaqGS:HCKT	The Hackett Group, Inc.
NYSE:ROG	Rogers Corporation
NasdaqGS:CHKP	Check Point Software Technologies Ltd.
NasdaqGS:AEIS	Advanced Energy Industries, Inc.
NasdaqGS:JKHY	Jack Henry & Associates, Inc.
NYSEAM:LGL	The LGL Group, Inc.
NasdaqGS:ITRI	Itron, Inc.
NasdaqGS:HLIT	Harmonic Inc.
NasdaqGS:DGII	Digi International Inc.
NYSE:INFY	Infosys Limited
NasdaqGS:CGNX	Cognex Corporation
NasdaqGS:MSTR	MicroStrategy Incorporated
NYSE:BMI	Badger Meter, Inc.
NasdaqCM:INVE	Identiv, Inc.
NasdaqGS:BELF.A	Bel Fuse Inc.
NasdaqGS:NICE	NICE Ltd.
NasdaqCM:ASTC	Astrotech Corporation
NasdaqGS:OTEX	Open Text Corporation
NasdaqGS:SPNS	Sapiens International Corporation N.V.
NasdaqGS:CTSH	Cognizant Technology Solutions Corporation
NasdaqGS:VRSN	VeriSign, Inc.

NasdaqGS:MANH	Manhattan Associates, Inc.
NYSE:BB	BlackBerry Limited
NasdaqGS:PEGA	Pegasystems Inc.
NYSE:TYL	Tyler Technologies, Inc.
NasdaqGS:IDCC	InterDigital, Inc.
NasdaqGM:EMKR	EMCORE Corporation
NasdaqGS:ANSS	ANSYS, Inc.
NasdaqGM:OCC	Optical Cable Corporation

GFC Index Constituents

NYSE:BR	Broadridge Financial Solutions, Inc.
NYSE:TDC	Teradata Corporation
NYSE:VMW	VMware, Inc.
NYSE:G	Genpact Limited
NasdaqGS:EGIO	Edgio, Inc.
NYSE:PRO	PROS Holdings, Inc.
NasdaqGS:ADP	Automatic Data Processing, Inc.
NYSE:BB	BlackBerry Limited
NasdaqGS:ADBE	Adobe Inc.
NYSE:ACN	Accenture plc
NasdaqGS:GEN	Gen Digital Inc.
NYSE:WU	The Western Union Company
NasdaqGS:PAYX	Paychex, Inc.
NYSE:MA	Mastercard Incorporated
NasdaqGS:CTSH	Cognizant Technology Solutions Corporation
NasdaqGS:INTU	Intuit Inc.
NasdaqGS:ADSK	Autodesk, Inc.
NasdaqGS:FISV	Fiserv, Inc.
NYSE:DXC	DXC Technology Company
NasdaqGS:AKAM	Akamai Technologies, Inc.
NasdaqGS:DOX	Amdocs Limited
NYSE:FIS	Fidelity National Information Services, Inc.
NYSE:NCR	NCR Corporation
NasdaqGS:VRSN	VeriSign, Inc.
NasdaqGS:CHKP	Check Point Software Technologies Ltd.
NasdaqGS:CDNS	Cadence Design Systems, Inc.
NYSE:CRM	Salesforce, Inc.
NYSE:ROP	Roper Technologies, Inc.
NasdaqGS:SNPS	Synopsys, Inc.
NYSE:DLB	Dolby Laboratories, Inc.
NYSE:GPN	Global Payments Inc.
NYSE:UIS	Unisys Corporation
NasdaqGS:MGI	MoneyGram International, Inc.
NYSE:FICO	Fair Isaac Corporation
NYSE:IT	Gartner, Inc.

NYSE:GIB	CGI Inc.
NYSE:RAMP	LiveRamp Holdings, Inc.
NasdaqGS:PTC	PTC Inc.
NasdaqGS:JKHY	Jack Henry & Associates, Inc.
NasdaqGS:ADEA	Adeia Inc.
NasdaqGS:IDCC	InterDigital, Inc.
NasdaqGS:TTEC	TTEC Holdings, Inc.
NasdaqGS:ANSS	ANSYS, Inc.
NasdaqGS:LSAK	Lesaka Technologies, Inc.
NasdaqGS:MSTR	MicroStrategy Incorporated
NYSE:WEX	WEX Inc.
NasdaqGS:ACIW	ACI Worldwide, Inc.
NasdaqGS:CSGS	CSG Systems International, Inc.
NasdaqGS:PRGS	Progress Software Corporation
NasdaqGS:BLKB	Blackbaud, Inc.
NasdaqGS:VRNT	Verint Systems Inc.
NasdaqGS:EEFT	Euronet Worldwide, Inc.
NasdaqGS:OTEX	Open Text Corporation
NasdaqGS:CVLT	Commvault Systems, Inc.
NasdaqGS:MANH	Manhattan Associates, Inc.
NYSE:MMS	Maximus, Inc.
NasdaqCM:STCN	Steel Connect, Inc.
NasdaqGS:EXLS	ExlService Holdings, Inc.
NasdaqGS:AGYS	Agilysys, Inc.
NYSE:TYL	Tyler Technologies, Inc.
NasdaqCM:OSPN	OneSpan Inc.
NasdaqGS:PRFT	Perficient, Inc.
NasdaqGS:SNCR	Synchronoss Technologies, Inc.
NasdaqGS:PEGA	Pegasystems Inc.
NasdaqCM:SMSI	Smith Micro Software, Inc.
NasdaqCM:CXDO	Crexendo, Inc.
NasdaqCM:SEAC	SeaChange International, Inc.
IQ320750	Qumu Corporation
NasdaqGS:LPSN	LivePerson, Inc.
NasdaqGS:AMSW.A	American Software, Inc.
NasdaqCM:KSPN	Kaspian Holdings Inc.
NasdaqGS:DSGX	The Descartes Systems Group Inc.
NasdaqGS:HCKT	The Hackett Group, Inc.
NasdaqGM:INOD	Innodata Inc.
IQ139431	NetSuite Inc.