A.2.3 List of Signals (In Order of Addresses)

○ : Available
● : Available only with multi path control
- : Unavailable

Address	Signal name	Symbol	T series	M series
X004.2 to X004.6, X004.0,X004.1	Skip signal	SKIP2 to SKIP6, SKIP7,SKIP8	○	○
X004.2 to X004.5	Tool offset write signals	+MIT1,-MIT1 +MIT2,-MIT2	○	-
X004.6	Skip signal (PMC axis control)	ESKIP	○	○
X004.7	Skip signal	SKIP	○	○
X008.0	Emergency stop signals	*ESP	○	○
X008.1			○	○
X008.4			○	○
X009	Reference position return deceleration signals	*DEC1 to *DEC8	○	○
Y***	High-speed position switch signals	HPS01 to HPS16	○	○
Y***+1				
G000 to G001	Data signals for external data input	ED15 to ED0	○	○
G002.6 to G002.0	Address signals for external data input	EA6 to EA0	○	○
G002.7	Read signal for external data input	ESTB	○	○
G004.3	End signal	FIN	○	○
G004.4	2nd M function completion signal	MFIN2	○	○
G004.5	3rd M function completion signal	MFIN3	○	○
G004.6	4th M function completion signal	MFIN4	○	○
G004.7	5th M function completion signal	MFIN5	○	○
G005.0	Auxiliary function completion signal	MFIN	○	○
G005.2	Spindle function completion signal	SFIN	○	○
G005.3	Tool function completion signal	TFIN	○	○
G005.6	Auxiliary function lock signal	AFL	○	○
G005.7	2nd auxiliary function completion signal	BFIN	○	○
G006.0	Program restart signal	SRN	○	○
G006.2	Manual absolute signal	*ABSM	○	○
G006.4	Override cancel signal	OVC	○	○
G006.6	Skip signal	SKIPP	○	○
G007.0	Reverse execution signal	RVS	-	○
G007.1	Start lock signal	STLK	○	○
G007.2	Cycle start signal	ST	○	○
G007.4	Stroke check 3 release signal	RLSOT3	○	○
G007.5	Follow-up signal	*FLWU	○	○
G007.6	Stored stroke check 1 select signals	EXLM	○	○
G007.7	Stroke check 1 release signal	RLSOT	○	○
G008.0	Interlock signal for all axes	*IT	○	○
G008.1	Cutting block start interlock signal	*CSL	○	○
G008.3	Block start interlock signal	*BSL	○	○
G008.4	Emergency stop signals	*ESP	○	○
G008.5	Feed hold signal	*SP	○	○
G008.6	Reset & rewind signal	RRW	○	○
G008.7	External reset signal	ERS	○	○
G009.0 to G009.4	External workpiece number search signals	PN1,PN2,PN4,PN8, PN16	○	○
G010,G011	Manual feedrate override signals	*JV0 to *JV15	○	○

Address	Signal name	Symbol	T series	M series
G012	Feedrate override signals	*FV0 to *FV7	○	○
G013	2nd feedrate override signals	*AFV0 to *AFV7	○	○
G014.0,G014.1	Rapid traverse override signals	ROV1,ROV2	○	○
G016.7	One-digit F code feed signal	F1D	-	○
G018.0 to G018.3	Manual handle feed axis selection signals	HS1A to HS1D	○	○
G018.4 to G018.7		HS2A to HS2D	○	○
G019.0 to G019.3		HS3A to HS3D	○	○
G019.4,G019.5, G019.6	Manual handle feed amount selection signals (incremental feed signals)	MP1,MP2,MP4	○	○
G019.7	Manual rapid traverse selection signal	RT	○	○
G020.0 to G020.3	Manual handle feed axis selection signals	HS4A to HS4D	○	○
G021.0 to G022.3	Servo motor rotation speed specification signals	SVR01I to SVR12I	○	○
G022.4	Differential speed synchronization command signal	DFSYC	○	○
G022.5	Servo motor rotation polarity specification signal	SVGN	○	○
G022.7	Servo motor spindle control switching signal	SVSP	○	○
G023.3	Manual handle feed maximum feedrate change signal	HNDLF	○	○
G023.4	Handle-synchronous feed signal	HREV	○	○
G023.5	In-position check disable signal	NOINPS	○	○
G024.0 to G025.5	Extended external workpiece number search signals	EPN0 to EPN13	○	○
G025.7	External workpiece number search start signal	EPNS	○	○
G026.0	Position coder selection signal	PC3SLC	○	○
G026.1		PC4SLC	○	○
G026.3	Spindle selection signals	SWS4	○	○
G026.6	Individual spindle stop signals	*SSTP4	○	○
G027.0	Spindle selection signals	SWS1	○	○
G027.1		SWS2	○	○
G027.2		SWS3	○	○
G027.3	Individual spindle stop signals	*SSTP1	○	○
G027.4		*SSTP2	○	○
G027.5		*SSTP3	○	○
G027.7	Cs contour control change signal	CON	○	○
G028.1,G028.2	Gear selection signals (input)	GR1,GR2	○	○
G028.4	Spindle unclamp completion signal	*SUCPFA	○	○
G028.5	Spindle clamp completion signal	*SCPFA	○	○
G028.6	Spindle stop complete signal	SPSTPA	○	○
G028.7	2nd position coder selection signal	PC2SLC	○	○
G029.0	Gear selection signals (input)	GR21	○	○
G029.1		GR22	○	○
G029.2		GR31	○	○
G029.3		GR32	○	○
G029.4	Spindle speed arrival signal	SAR	○	○
G029.5	Spindle orientation signal	SOR	○	○
G029.6	Spindle stop signal	*SSTP	○	○
G030	Spindle speed override signals	SOV0 to SOV7	○	○
G031.3	Three-dimensional coordinate system conversion manual interruption switch signal	M3R	○	○
G031.4	Gear selection signals (input)	GR41	○	○

Address	Signal name	Symbol	T series	M series
G031.5		GR42	○	○
G031.6	1st spindle parking signal	PKESS1	○	○
G031.7	2nd spindle parking signal	PKESS2	○	○
G032.0 to G033.3	Spindle motor speed command signals	R01I to R12I	○	○
G033.5	Spindle motor command polarity command signals	SGN	○	○
G033.6	Spindle motor command polarity selection signals	SSIN	○	○
G033.7	Spindle motor speed command selection signals	SIND	○	○
G034.0 to G035.3	Spindle motor speed command signals	R01I2 to R12I2	○	○
G035.5	Spindle motor command polarity command signals	SGN2	○	○
G035.6	Spindle motor command polarity selection signals	SSIN2	○	○
G035.7	Spindle motor speed command selection signals	SIND2	○	○
G036.0 to G037.3	Spindle motor speed command signals	R01I3 to R12I3	○	○
G037.5	Spindle motor command polarity command signals	SGN3	○	○
G037.6	Spindle motor command polarity selection signals	SSIN3	○	○
G037.7	Spindle motor speed command selection signals	SIND3	○	○
G038.0	Polygon spindle stop signal	*PLSST	○	○
G038.1	Spindle synchronous speed ratio control signal	SBRT	○	○
G038.2	Spindle synchronous control signal	SPSYC	○	○
G038.3	Spindle phase synchronous control signal	SPPHS	○	○
G038.5	Speed display change signal	SDPC	○	○
G038.6	B axis unclamp completion signal	*BEUCP	-	○
G038.7	B axis clamp completion signal	*BECLP	-	○
G039.0 to G039.5	Tool offset number selection signals	OFN0 to OFN5	○	○
G040.0 to G040.3		OFN6 to OFN9	○	○
G039.6	Workpiece origin offset measurement mode selection signal	WOQSM	-	○
G039.6	Workpiece coordinate system shift value write mode select signal	WOQSM	○	-
G039.7	Tool offset measurement mode selection signal	GOQSM	-	○
G039.7	Tool offset write mode select signal	GOQSM	○	-
G040.5	Spindle measurement select signal	S2TLS	○	-
G040.6	Position record signal	PRC	○	-
G040.7	Workpiece coordinate system shift value write signal	WOSET	○	-
G041.0 to G041.3	Manual handle interrupt axis selection signals	HS1IA to HS1ID	○	○
G041.4 to G041.7		HS2IA to HS2ID	○	○
G042.0 to G042.3		HS3IA to HS3ID	○	○
G042.7	Direct operation select signal	DMMC	○	○
G043.0 to G043.2	Mode selection signals	MD1,MD2,MD4	○	○
G043.5	DNC operation select signal	DNCI	○	○
G043.7	Manual reference position return selection signal	ZRN	○	○
G044.0	Optional block skip signals	BDT1	○	○
G044.1	All-axis machine lock signal	MLK	○	○
G045	Optional block skip signals	BDT2 to BDT9	○	○
G046.0	Memory protection signal	KEYP	○	○

Address	Signal name	Symbol	T series	M series
G046.1	Single block signal	SBK	○	○
G046.3 to G046.6	Memory protection signals	KEY1 to KEY4	○	○
G046.7	Dry run signal	DRN	○	○
G047.0 to G048.1	Tool group number selection signals	TL01 to TL512	○	○
G048.2	Tool life counting disable signal	LFCIV	○	○
G048.5	Tool skip signal	TLSKP	○	○
G048.6	Individual tool change reset signal	TLRSTI	○	○
G048.7	Tool change reset signal	TLRST	○	○
G049.0 to G050.1	Tool life count override signals	*TLV0 to *TLV9	○	○
G051.0 to G051.3	Oscillation feedrate override signals	*CHP1 to *CHP8	○	○
G051.6	Oscillation start signal	CHPST	○	○
G051.7	Oscillation hold signal	*CHLD	○	○
G053.0	General-purpose integrating meter start signal	TMRON	○	○
G053.3	Interrupt signal for custom macro	UINT	○	○
G053.5	Rapid traverse block overlap disable signal	ROVLP	○	○
G053.6	In-position check signal	SMZ	○	○
G053.7	Chamfering signal	*CDZ	○	-
G054 to G057	Custom macro input signals	UI000 to UI031	○	○
G058.1	External input start signal	EXINP	○	○
G058.2	External input/output stop signal	EXSTP	○	○
G058.3	External output start signal	EXOUT	○	○
G059.0	Tool retraction signal	TRESC	○	○
G059.1	Tool return signal	TRRTN	○	○
G059.7	Signal for disabling torque difference alarm detection for axis synchronous control	NSYNCA	○	○
G060.7	Tail stock barrier selection signal	*TSB	○	-
G061.0	Rigid tapping signal	RGTAP	○	○
G061.2	Servo motor spindle synchronization start signal	SYSS	○	○
G061.4 to G061.7	Rigid tapping spindle selection signals	RGTSP1 to RGTSP4	○	-
G062.1	Screen erasure disable signal	*CRTOF	○	○
G062.6	Rigid tapping retraction start signal	RTNT	○	○
G062.7	Path select signal（Tool post select signal） 2	HEAD2	●	●
G063.0	Path select signal (Tool post select signal)	HEAD	●	●
G063.1	No-wait signal	NOWT	●	●
G063.2,G063.3	Path spindle command selection signals	SLSPA,SLSPB	●	●
G063.5	Signal for disabling angular axis control for the perpendicular axis	NOZAGC	○	○
G063.6	In-feed control cut start signal	INFD	-	○
G063.7	No-wait signal	NMWT	●	●
G064.2,G064.3	Path spindle feedback selection signals	SLPCA,SLPCB	●	●
G064.6	Spindle command synchronous control signal	ESRSYC	○	○
G066.0	All-axis VRDY off alarm ignore signal	IGNVRY	○	○
G066.1	External key input mode selection signal	ENBKY	○	○
G066.4	Retract signal	RTRCT	○	○
G066.7	Key code read signal	EKSET	○	○
G067.0	Manual tool compensation command number	MTLC	○	-
G067.2	Checking mode signal	MMOD	○	○
G067.3	Handle available signal in checking mode	MCHK	○	○
G067.4	EGB synchronization mode selection signal	EGBS	○	○

Address	Signal name	Symbol	T series	M series
G067.6	Hard copy cancellation request signal	HCABT	○	○
G067.7	Hard copy execution request signal	HCREQ	○	○
G68,G69	Manual tool compensation tool number signal (4 digits)	MTLN00 to MTLN15	○	-
G070.0	Torque limit command LOW signals (serial spindle)	TLMLA	○	○
G070.1	Torque limit command HIGH signals (serial spindle)	TLMHA	○	○
G070.3,G070.2	Clutch/gear signals(serial spindle)	CTH1A,CTH2A	○	○
G070.4	CCW command signals(serial spindle)	SRVA	○	○
G070.5	CW command signals(serial spindle)	SFRA	○	○
G070.6	Orientation command signals (serial spindle)	ORCMA	○	○
G070.7	Machine ready signals(serial spindle)	MRDYA	○	○
G071.0	Alarm reset signals (serial spindle)	ARSTA	○	○
G071.1	Emergency stop signals(serial spindle)	*ESPA	○	○
G071.2	Spindle selection signals (serial spindle)	SPSLA	○	○
G071.3	Power line switch completion signals (serial spindle)	MCFNA	○	○
G071.4	Soft start/stop signals(serial spindle)	SOCNA	○	○
G071.5	Speed integral signals (serial spindle)	INTGA	○	○
G071.6	Output switch request signals (serial spindle)	RSLA	○	○
G071.7	Power line status check signals (serial spindle)	RCHA	○	○
G072.0	Orientation stop position change command signals (serial spindle)	INDXA	○	○
G072.1	Rotational direction command signals for orientation stop position change (serial spindle)	ROTAA	○	○
G072.2	Shortcut command signals for orientation stop position change (serial spindle)	NRROA	○	○
G072.3	Differential speed mode command signals (serial spindle)	DEFMDA	○	○
G072.4	Analog override signals (serial spindle)	OVRA	○	○
G072.5	Incremental command externally set orientation signals(serial spindle)	INCMDA	○	○
G072.6	Spindle switch MAIN MCC contact status signals(serial spindle)	MFNHGA	○	○
G072.7	Spindle switch HIGH MCC contact status signals (serial spindle)	RCHHGA	○	○
G073.0	Magnetic sensor orientation command signal(serial spindle)	MORCMA	○	○
G073.1	Subordinate operation mode command signals (serial spindle)	SLVA	○	○
G073.2	Motor power cutoff command signals (serial spindle)	MPOFA	○	○
G073.3	Synchronous orientation request command	SORSLA	○	○
G073.4	Disconnection detection disable signal (serial spindle)	DSCNA	○	○
G074.0	Torque limit command LOW signals (serial spindle)	TLMLB	○	○
G074.1	Torque limit command HIGH signals (serial spindle)	TLMHB	○	○
G074.3,G074.2	Clutch/gear signals(serial spindle)	CTH1B,CTH2B	○	○
G074.4	CCW command signals(serial spindle)	SRVB	○	○
G074.5	CW command signals(serial spindle)	SFRB	○	○
G074.6	Orientation command signals (serial spindle)	ORCMB	○	○
G074.7	Machine ready signals(serial spindle)	MRDYB	○	○
G075.0	Alarm reset signals (serial spindle)	ARSTB	○	○
G075.1	Emergency stop signals(serial spindle)	*ESPB	○	○
G075.2	Spindle selection signals (serial spindle)	SPSLB	○	○
G075.3	Power line switch completion signals (serial spindle)	MCFNB	○	○
G075.4	Soft start/stop signals(serial spindle)	SOCNB	○	○

Address	Signal name	Symbol	T series	M series
G075.5	Speed integral signals (serial spindle)	INTGB	○	○
G075.6	Output switch request signals (serial spindle)	RSLB	○	○
G075.7	Power line status check signals (serial spindle)	RCHB	○	○
G076.0	Orientation stop position change command signals (serial spindle)	INDXB	○	○
G076.1	Rotational direction command signals for orientation stop position change (serial spindle)	ROTAB	○	○
G076.2	Shortcut command signals for orientation stop position change (serial spindle)	NRROB	○	○
G076.3	Differential speed mode command signals (serial spindle)	DEFMDB	○	○
G076.4	Analog override signals (serial spindle)	OVRB	○	○
G076.5	Incremental command externally set orientation signals(serial spindle)	INCMDB	○	○
G076.6	Spindle switch MAIN MCC contact status signals (serial spindle)	MFNHGB	○	○
G076.7	Spindle switch HIGH MCC contact status signals (serial spindle)	RCHHGB	○	○
G077.0	Magnetic sensor orientation command signal(serial spindle)	MORCMB	○	○
G077.1	Subordinate operation mode command signals (serial spindle)	SLVB	○	○
G077.2	Motor power cutoff command signals (serial spindle)	MPOFB	○	○
G077.3	Synchronous orientation request command	SORSLB	○	○
G077.4	Disconnection detection disable signal (serial spindle)	DSCNB	○	○
G078.0 to G079.6	Spindle orientation signals with the stop position externally set	SH00A to SH14A	○	○
G080.0 to G081.6		SH00B to SH14B	○	○
G082,G083	Input signals for P-code macro	EUI00 to EUI15	○	○
G086.0 to G086.3	Feed axis and direction selection signals	+Jg, -Jg, +Ja, -Ja	○	○
G087.0,G087.1	Manual handle feed amount selection signals(Incremental feed signals)	MP21,MP22	○	○
G087.3,G087.4		MP31,MP32	○	○
G087.6,G087.7		MP41,MP42	○	○
G088.3	Manual pulse magnification change signal	HNDMP	○	○
G088.4 to G088.7	Manual handle interrupt axis selection signals	HS4IA to HS4ID	○	○
G090.0	Tool offset direction signals	G2RVX	○	-
G090.1		G2RVZ	○	-
G090.2		G2RVY	○	-
G090.4	2nd geometry tool offset axis select signals	G2X	○	-
G090.5		G2Z	○	-
G090.6		G2Y	○	-
G090.7	2nd geometry tool offset signal	G2SLC	○	-
G096.0 to G096.6	1% rapid traverse override signals	*HROV0 to *HROV6	○	○
G096.7	1% step rapid traverse override selection signal	HROV	○	○
G098	Key code signals	EKC0 to EKC7	○	○
G100	Feed axis and direction selection signals	+J1 to +J8	○	○
G101	External deceleration signals 2	*+ED21 to *+ED28	○	○
G102	Feed axis and direction selection signals	-J1 to -J8	○	○
G103	External deceleration signals 2	*-ED21 to *-ED28	○	○

Address	Signal name	Symbol	T series	M series
G104	Axis direction dependent stored stroke check 1 switch signals	+EXL1 to +EXL8	○	○
G105		-EXL1 to -EXL8	○	○
G106	Mirror image signals	MI1 to MI8	○	○
G107	External deceleration signals 3	*+ED31 to *+ED38	○	○
G108	Each-axis machine lock signals	MLK1 to MLK8	○	○
G109	External deceleration signals 3	*-ED31 to *-ED38	○	○
G110	Stroke limit external setting signals	+LM1 to +LM8	○	○
G112		-LM1 to -LM8	○	○
G114	Overtravel signals	*+L1 to *+L8	○	○
G116		*-L1 to *-L8	○	○
G118	External deceleration signals 1	*+ED1 to *+ED8	○	○
G120		*-ED1 to *-ED8	○	○
G122	Parking signals	PK1 to PK8	○	○
G122.6(G031.6)	1st spindle parking signal	PKESS1	○	○
G122.7(G031.7)	2nd spindle parking signal	PKESS2	○	○
G124	Controlled axis detach signals	DTCH1 to DTCH8	○	○
G125	Unexpected disturbance torque detection ignore signal	IUDD1 to IUDD8	○	○
G126	Servo off signals	SVF1 to SVF8	○	○
G128	Composite control axis change selection signals	MIX1 to MIX8	○	○
G130	Interlock signal for each axis	*IT1 to *IT8	○	○
G132	Interlock signal for each axis direction	+MIT1 to +MIT8 -MIT1 to -MIT8	-	○
G134				
G132.0,G132.1	Tool offset write signals	+MIT1,+MIT2	○	-
G134.0,G134.1	Tool offset write signals	-MIT1,-MIT2	○	-
G132.0	Tool offset write signals	+MIT1	-	○
G136	Control axis selection signals (PMC axis control)	EAX1 to EAX8	○	○
G138	Synchronous control axis selection signals	SYNC1 to SYNC8	○	○
G140	Signals for selecting the manual feed axis for axis synchronous control	SYNCJ1 to SYNCJ8	○	○
G142.0	Auxiliary function completion signal (for group 1) (PMC axis control)	EFINA	○	○
G142.1	Accumulated zero check signal (for group 1) (PMC axis control)	ELCKZA	○	○
G142.2	Buffering disable signal (for group 1) (PMC axis control)	EMBUFA	○	○
G142.3	Block stop signal (for group 1) (PMC axis control)	ESBKA	○	○
G142.4	Servo-off signal (for group 1) (PMC axis control)	ESOFA	○	○
G142.5	Axis control temporary stop signal (for group 1) (PMC axis control)	ESTPA	○	○
G142.6	Reset signal (for group 1) (PMC axis control)	ECLRA	○	○
G142.7	Axis control command read signal (for group 1) (PMC axis control)	EBUFA	○	○
G143.0 to G143.6	Axis control command signals (for group 1) (PMC axis control)	EC0A to EC6A	○	○
G143.7	Block stop disable signal (for group 1) (PMC axis control)	EMSBKA	○	○
G144,G145	Axis control feedrate signals (for group 1) (PMC axis control)	EIF0A to EIF15A	○	○
G146 to G149	Axis control data signals (for group 1) (PMC axis control)	EID0A to EID31A	○	○

Address	Signal name	Symbol	T series	M series
G150.0,G150.1	Rapid traverse override signals (PMC axis control)	EROV1,EROV2	○	○
G150.5	Override cancellation signal (for group 1) (PMC axis control)	EOVC	○	○
G150.6	Manual rapid traverse selection signal (PMC axis control)	ERT	○	○
G150.7	Dry run signal (PMC axis control)	EDRN	○	○
G151	Feedrate override signals (for group 1) (PMC axis control)	*EFOV0 to *EFOV7	○	○
G151	1% step rapid traverse override signals (for group 1) (PMC axis control)	*EROV0 to *EROV7	○	○
G154.0	Auxiliary function completion signal (for group 2) (PMC axis control)	EFINB	○	○
G154.1	Accumulated zero check signal (for group 2) (PMC axis control)	ELCKZB	○	○
G154.2	Buffering disable signal (for group 2) (PMC axis control)	EMBUFB	○	○
G154.3	Block stop signal (for group 2) (PMC axis control)	ESBKB	○	○
G154.4	Servo-off signal (for group 2) (PMC axis control)	ESOFB	○	○
G154.5	Axis control temporary stop signal (for group 2) (PMC axis control)	ESTPB	○	○
G154.6	Reset signal (for group 2) (PMC axis control)	ECLRB	○	○
G154.7	Axis control command read signal (for group 2) (PMC axis control)	EBUFB	○	○
G155.0 to G155.6	Axis control command signals (for group 2) (PMC axis control)	EC0B to EC6B	○	○
G155.7	Block stop disable signal (for group 2) (PMC axis control)	EMSBKB	○	○
G156,G157	Axis control feedrate signals (for group 2) (PMC axis control)	EIF0B to EIF15B	○	○
G158 to G161	Axis control data signals (for group 2) (PMC axis control)	EID0B to EID31B	○	○
G162.5	Override cancellation signal (for group 2) (PMC axis control)	EOVCB	○	○
G163	Feedrate override signals (for group 2) (PMC axis control)	*EFOV0B to *EFOV7B	○	○
G163	1% step rapid traverse override signals (for group 2) (PMC axis control)	*EROV0B to *EROV7B	○	○
G166.0	Auxiliary function completion signal (for group 3) (PMC axis control)	EFINC	○	○
G166.1	Accumulated zero check signal (for group 3) (PMC axis control)	ELCKZC	○	○
G166.2	Buffering disable signal (for group 3) (PMC axis control)	EMBUFC	○	○
G166.3	Block stop signal (for group 3) (PMC axis control)	ESBKC	○	○
G166.4	Servo-off signal (for group 3) (PMC axis control)	ESOFC	○	○
G166.5	Axis control temporary stop signal (for group 3) (PMC axis control)	ESTPC	○	○
G166.6	Reset signal (for group 3) (PMC axis control)	ECLRC	○	○

Address	Signal name	Symbol	T series	M series
G166.7	Axis control command read signal (for group 3) (PMC axis control)	EBUFC	○	○
G167.0 to G167.6	Axis control command signals (for group 3) (PMC axis control)	EC0C to EC6C	○	○
G167.7	Block stop disable signal (for group 3) (PMC axis control)	EMSBKC	○	○
G168,G169	Axis control feedrate signals (for group 3) (PMC axis control)	EIF0C to EIF15C	○	○
G170 to G173	Axis control data signals (for group 3) (PMC axis control)	EID0C to EID31C	○	○
G174.5	Override cancellation signal (for group 3) (PMC axis control)	EOVCC	○	○
G175	Feedrate override signals (for group 3) (PMC axis control)	*EFOV0C to *EFOV7C	○	○
G175	1% step rapid traverse override signals (for group 3) (PMC axis control)	*EROV0C to *EROV7C	○	○
G178.0	Auxiliary function completion signal (for group 4) (PMC axis control)	EFIND	○	○
G178.1	Accumulated zero check signal (for group 4) (PMC axis control)	ELCKZD	○	○
G178.2	Buffering disable signal (for group 4) (PMC axis control)	EMBUFD	○	○
G178.3	Block stop signal (for group 4) (PMC axis control)	ESBKD	○	○
G178.4	Servo-off signal (for group 4) (PMC axis control)	ESOFD	○	○
G178.5	Axis control temporary stop signal (for group 4) (PMC axis control)	ESTPD	○	○
G178.6	Reset signal (for group 4) (PMC axis control)	ECLRD	○	○
G178.7	Axis control command read signal (for group 4) (PMC axis control)	EBUFD	○	○
G179.0 to G179.6	Axis control command signals (for group 4) (PMC axis control)	EC0D to EC6D	○	○
G179.7	Block stop disable signal (for group 4) (PMC axis control)	EMSBKD	○	○
G180,G181	Axis control feedrate signals (for group 4) (PMC axis control)	EIF0D to EIF15D	○	○
G182 to G185	Axis control data signals (for group 4) (PMC axis control)	EID0D to EID31D	○	○
G186.5	Override cancellation signal (for group 4) (PMC axis control)	EOVCD	○	○
G187	Feedrate override signals (for group 4) (PMC axis control)	*EFOV0D to *EFOV7D	○	○
G187	1% step rapid traverse override signals (for group 4) (PMC axis control)	*EROV0D to *EROV7D	○	○
G190	Superimposed control axis selection signals	OVLS1 to OVLS8	○	○
G192	Each-axis VRDY off alarm ignore signal	IGVRY1 to IGVRY8	○	○
G193.3	Selecting direction of manual handle rotation signal	HDSR	○	○
G196	Reference position return deceleration signals	*DEC1 to *DEC8	○	○
G197.0 to G197.3	Flexible synchronization control mode selection signals	MTA,MTB,MTC,MTD	○	○
G198	Axis non-displayed signals	NPOS1 to NPOS8	○	○
G199.0,G199.1	Manual handle generators selection signal	IOLBH1, IOLBH2	○	○

Address	Signal name	Symbol	T series	M series
G202	A/B phase detector disconnection alarm ignore signal (PMC axis control)	NDCAL1 to NDCAL8	○	○
G203.3	Axis immediate stop start signal	ESTPR	○	○
G203.7	Power failure deceleration signal	PWFL	○	○
G204.0	Torque limit command LOW signals (serial spindle)	TLMLC	○	○
G204.1	Torque limit command HIGH signals (serial spindle)	TLMHC	○	○
G204.3,G204.2	Clutch/gear signals(serial spindle)	CTH1C,CTH2C	○	○
G204.4	CCW command signals(serial spindle)	SRVC	○	○
G204.5	CW command signals(serial spindle)	SFRC	○	○
G204.6	Orientation command signals (serial spindle)	ORCMC	○	○
G204.7	Machine ready signals(serial spindle)	MRDYC	○	○
G205.0	Alarm reset signals(serial spindle)	ARSTC	○	○
G205.1	Emergency stop signals(serial spindle)	*ESPC	○	○
G205.2	Spindle selection signals (serial spindle)	SPSLC	○	○
G205.3	Power line switch completion signals (serial spindle)	MCFNC	○	○
G205.4	Soft start/stop signals (serial spindle)	SOCNC	○	○
G205.5	Speed integral signals (serial spindle)	INTGC	○	○
G205.6	Output switch request signals (serial spindle)	RSLC	○	○
G205.7	Power line status check signals (serial spindle)	RCHC	○	○
G206.0	Orientation stop position change command signals (serial spindle)	INDXC	○	○
G206.1	Rotational direction command signals for orientation stop position change (serial spindle)	ROTAC	○	○
G206.2	Shortcut command signals for orientation stop position change (serial spindle)	NRROC	○	○
G206.3	Differential speed mode command signals (serial spindle)	DEFMDC	○	○
G206.4	Analog override signals (serial spindle)	OVRC	○	○
G206.5	Incremental command externally set orientation signals(serial spindle)	INCMDC	○	○
G206.6	Spindle switch MAIN MCC contact status signals (serial spindle)	MFNHGC	○	○
G206.7	Spindle switch HIGH MCC contact status signals (serial spindle)	RCHHGC	○	○
G207.0	Magnetic sensor orientation command signal(serial spindle)	MORCMC	○	○
G207.1	Subordinate operation mode command signals (serial spindle)	SLVC	○	○
G207.2	Motor power cutoff command signals (serial spindle)	MPOFC	○	○
G207.3	Synchronous orientation request command	SORSLC	○	○
G207.4	Disconnection detection disable signal (serial spindle)	DSCNC	○	○
G208.0 to G209.6	Spindle orientation signals with the stop position externally set	SH00C to SH14C	○	○
G210 to G211	Data signals for external data input	ED31 to ED16	○	○
G264.0 to G264.3	Spindle command synchronous control signal (for each spindle)	ESSYC1 to ESSYC4	○	○
G265.0 to G265.3	Spindle command synchronous parking signal (for each spindle)	PKESE1 to PKESE4	○	○
G266.0	Torque limit command LOW signals (serial spindle)	TLMLD	○	○
G266.1	Torque limit command HIGH signals (serial spindle)	TLMHD	○	○
G266.2,G266.3	Clutch/gear signals(serial spindle)	CTH2D, CTH1D	○	○
G266.4	CCW command signals(serial spindle)	SRVD	○	○
G266.5	CW command signals(serial spindle)	SFRD	○	○

Address	Signal name	Symbol	T series	M series
G266.6	Orientation command signals (serial spindle)	ORCMD	○	○
G266.7	Machine ready signals(serial spindle)	MRDYD	○	○
G267.0	Alarm reset signals (serial spindle)	ARSTD	○	○
G267.1	Emergency stop signals(serial spindle)	*ESPD	○	○
G267.2	Spindle selection signals (serial spindle)	SPSLD	○	○
G267.3	Power line switch completion signals (serial spindle)	MCFND	○	○
G267.4	Soft start/stop signals (serial spindle)	SOCND	○	○
G267.5	Speed integral signals(serial spindle)	INTGD	○	○
G267.6	Output switch request signals (serial spindle)	RSLD	○	○
G267.7	Power line status check signals (serial spindle)	RCHD	○	○
G268.0	Orientation stop position change command signals(serial spindle)	INDXD	○	○
G268.1	Rotational direction command signals for orientation stop position change (serial spindle)	ROTAD	○	○
G268.2	Shortcut command signals for orientation stop position change (serial spindle)	NRROD	○	○
G268.3	Differential speed mode command signals (serial spindle)	DEFMDD	○	○
G268.4	Analog override signals (serial spindle)	OVRD	○	○
G268.5	Incremental command externally set orientation signals(serial spindle)	INCMDD	○	○
G268.6	Spindle switch MAIN MCC contact status signals (serial spindle)	MFNHGD	○	○
G268.7	Spindle switch HIGH MCC contact status signals (serial spindle)	RCHHGD	○	○
G269.0	Magnetic sensor orientation command signal(serial spindle)	MORCMD	○	○
G269.1	Subordinate operation mode command signals (serial spindle)	SLVD	○	○
G269.2	Motor power cutoff command signals (serial spindle)	MPOFD	○	○
G269.3	Synchronous orientation request command	SORSLD	○	○
G269.4	Disconnection detection disable signal (serial spindle)	DSCND	○	○
G270.0 to G271.6	Spindle orientation signals with the stop position externally set	SH00D to SH14D	○	○
G272.0 to G273.3	Spindle motor speed command signals	R01I4 to R12I4	○	○
G273.5	Spindle motor command polarity command signals	SGN4	○	○
G273.6	Spindle motor command polarity selection signals	SSIN4	○	○
G273.7	Spindle motor speed command selection signals	SIND4	○	○
G274.0 to G274.3	Cs contour control change signal (for each spindle)	CONS1 to CONS4	○	○
G274.4 to G274.7	Cs axis coordinate establishment request signals (for each spindle)	CSFI1 to CSFI4	○	○
G276 to G279	Custom macro input signals	UI100 to UI131	○	○
G280 to G283		UI200 to UI231	○	○
G284 to G287		UI300 to UI331	○	○
G288.0 to G288.3	Spindle synchronous control signal (for each spindle)	SPSYC1 to SPSYC4	○	○
G289.0 to G289.3	Spindle phase synchronous control signal (for each spindle)	SPPHS1 to SPPHS4	○	○
G290.5	High-speed program check signal	PGCK	○	○
G295.6	Dual display forcible end request signal	C2SEND	○	○
G295.7	Key control selection signal	CNCKY	○	○

Address	Signal name	Symbol	T series	M series
G296	Diameter/radius specification switch signals (each axis)	DI1 to DI8	○	○
G297.0	Block cancel signal	BCAN	○	○
G299.7	Reset key input invalid signal	IRTKY	○	○
G304.3	Reference position establishment starting signal (serial spindle)	CSYCA	○	○
G304.6	Inertia estimation start signal (serial spindle)	INESTRA	○	○
G304.7	Adaptive resonance elimination filter search mode signal (serial spindle)	FRFSMA	○	○
G305.0 to G305.3	Resonance elimination filter disable signal (serial spindle)	HF1A to HF4A	○	○
G306.1	Cutting feed/rapid traverse PWM frequency switching function in Cs contour control enable signal (serial spindle)	PWMSEA	○	○
G306.2	Preload and multi-axis integrator copy disable signal (serial spindle)	TDFCANA	○	○
G308.3	Reference position establishment starting signal (serial spindle)	CSYCB	○	○
G308.6	Inertia estimation start signal (serial spindle)	INESTRB	○	○
G308.7	Adaptive resonance elimination filter search mode signal (serial spindle)	FRFSMB	○	○
G309.0 to G309.3	Resonance elimination filter disable signal (serial spindle)	HF1B to HF4B	○	○
G310.1	Cutting feed/rapid traverse PWM frequency switching function in Cs contour control enable signal (serial spindle)	PWMSEB	○	○
G310.2	Preload and multi-axis integrator copy disable signal (serial spindle)	TDFCANB	○	○
G312.3	Reference position establishment starting signal (serial spindle)	CSYCC	○	○
G312.6	Inertia estimation start signal (serial spindle)	INESTRC	○	○
G312.7	Adaptive resonance elimination filter search mode signal (serial spindle)	FRFSMC	○	○
G313.0 to G313.3	Resonance elimination filter disable signal (serial spindle)	HF1C to HF4C	○	○
G314.1	Cutting feed/rapid traverse PWM frequency switching function in Cs contour control enable signal (serial spindle)	PWMSEC	○	○
G314.2	Preload and multi-axis integrator copy disable signal (serial spindle)	TDFCANC	○	○
G316.3	Reference position establishment starting signal (serial spindle)	CSYCD	○	○
G316.6	Inertia estimation start signal (serial spindle)	INESTRD	○	○
G316.7	Adaptive resonance elimination filter search mode signal (serial spindle)	FRFSMD	○	○
G317.0 to G317.3	Resonance elimination filter disable signal (serial spindle)	HF1D to HF4D	○	○
G318.1	Cutting feed/rapid traverse PWM frequency switching function in Cs contour control enable signal (serial spindle)	PWMSED	○	○
G318.2	Preload and multi-axis integrator copy disable signal (serial spindle)	TDFCAND	○	○
G328.0 to G328.3	Tool change reset signals 1 to 4	TLRST1 to TLRST4	○	○

Address	Signal name	Symbol	T series	M series
G328.4 to G328.7	Individual tool change reset signals 1 to 4	TLRSTI1 to TLRSTI4	○	○
G329.0 to G329.3	Tool skip signals 1 to 4	TLSKP1 to TLSKP4	○	○
G329.4 to G329.7	Tool life counting disable signals 1 to 4	TLNCT1 to TLNCT4	○	○
G330.0 to G330.5	Tool management data protection signal	TKEY0 to TKEY5	○	○
G340.5	Manual 2nd/3rd/4th reference position return select 1 signal	SLREF	○	○
G340.6	Manual 2nd/3rd/4th reference position return select 2 signal	SLRER	○	○
G341	External deceleration signals 4	*+ED41 to *+ED48	○	○
G342		*-ED41 to *-ED48	○	○
G343	External deceleration signals 5	*+ED51 to *+ED58	○	○
G344		*-ED51 to *-ED58	○	○
G347.1	Manual handle feed direction inversion signal	HDN	○	○
G347.7	3-dimensional coordinate system conversion manual interrupt enable/disable switch signal	NOT3DM	○	○
G351.0 to G351.3	Simple spindle EGB signals	SSEGB1 to SSEGB4	○	○
G352.0 to G353.1	0.1% rapid traverse override signals	*FHRO0 to *FHRO9	○	○
G353.7	0.1% step rapid traverse override selection signal	FHROV	○	○
G358	Each axis workpiece coordinate system preset signals	WPRST1 to WPRST8	○	○
G376	2nd spindle speed override signals	SOV20 to SOV27	○	○
G377	3rd spindle speed override signals	SOV30 to SOV37	○	○
G378	4th spindle speed override signals	SOV40 to SOV47	○	○
G379.0 to G379.3	Manual handle feed axis selection signals	HS5A to HS5D	○	○
G379.4 to G379.7	Manual handle interrupt axis selection signals	HS5IA to HS5ID	○	○
G380.0,G380.1	Manual handle feed amount selection signals	MP51,MP52	○	○
G381.0 to G381.3	Flexible synchronization control automatic phase synchronization signals	AUTPHA to AUTPHD	○	○
G400.1	Spindle unclamp completion signal	*SUCPFB	○	○
G400.2		*SUCPFC	○	○
G400.3		*SUCPFD	○	○
G401.1	Spindle clamp completion signal	*SCPFB	○	○
G401.2		*SCPFC	○	○
G401.3		*SCPFD	○	○
G402.1	Spindle stop complete signal	SPSTPB	○	○
G402.2		SPSTPC	○	○
G402.3		SPSTPD	○	○
G403.0,G403.1	Path spindle command selection signals	SLSPC,SLSPD	●	●
G403.4,G403.5	Path spindle feedback selection signals	SLPCC,SLPCD	●	●
G406.0 to G407.1	Path interference check association signal	ITF01 to ITF10	●	-
G408.0	Start check signal	STCHK	○	○
G408.1,G408.2	Path select signals 3,4	HEAD3,4	●	●
G411.0 to G411.3	Manual handle feed axis selection signals	HS1E to HS4E	○	○
G411.4 to G411.7	Manual handle interrupt axis selection signals	HS1IE to HS4IE	○	○
G412.0	Manual handle feed axis selection signals	HS5E	○	○

Address	Signal name	Symbol	T series	M series
G412.4	Manual handle interrupt axis selection signals	HS5IE	○	○
G512,G513	Macro call start signal	MCST1 to MCST16	○	○
G514.0	Mode change completion signal	MCFIN	○	○
G514.4	All programs save request signal	HPMRSV	○	○
G517.0	Measuring position reached signals	GAE1	○	○
G517.1		GAE2	○	○
G517.2		GAE3	-	○
G517.6	Program restart memory storing disabled signal	QRSTD	○	○
G517.7	Phase synchronization for Servo/Spindle synchronous start signal	SYPST	○	○
G518.4	DeviceNet communication error clear signal	DNTCLR	○	○
G521	SV speed control mode signals	SRVON1 to SRVON8	○	○
G523	SV reverse signals	SVRVS1 to SVRVS8	○	○
G525 to G528	Manual tool compensation tool number signal (8 digits)	MT8N00 to MT8N31	○	-
G530	EGB synchronization start signals	EGBS1 to EGBS8	○	○
G531.0	Forward movement prohibition signal	FWSTP	○	○
G531.1	Reverse movement prohibition signal	MRVM	○	○
G531.3	Dual position feedback turning mode selection signal	HBTRN	○	○
G531.4	Inter-path flexible synchronization mode select signal Advanced superimposition signal AI contour control permission signal	OVLN	○	○
G531.6, G531.7	Stored stroke check 1 select signals	EXLM2, EXLM3	○	○
G533.0 to G533.3	Total spindle revolution number reset signals	SSR1 to SSR4	○	○
G533.4	Total spindle revolution number reset selection signal	SSRS	○	○
G534.0	Axis switching signals	AXC1	○	○
G534.1		AXC2	○	○
G534.2		AXC4	○	○
G536.2	Removal start signal	RMVST	○	○
G536.3	Assignment start signal	ASNST	○	○
G536.4	Exchange start signal	EXCST	○	○
G536.5	Direct assignment mode signal	DASN	○	○
G536.7	Spindle command path specification signal	SPSP	○	○
G544.0 to G544.4	Manual linear/circular interpolation signals	MHLC1 to MHLC5	○	○
G545.0 to G545.4	Usage selection of manual linear/circular interpolation signals	MHUS1 to MHUS5	○	○
G546.7	Tool offset write mode select signal (for milling and turning function)	GQSMC	-	○
G546.0 to G546.5, G547.0 to G547.3	Tool offset number selection signals (for milling and turning function)	OFNC0 to OFNC5, OFNC6 to OFNC9	-	○
G547.6	Tool compensation number specification signal	ONSC	○	—
G548	Dual position feedback compensation clamp signals	*CL1 to *CL8	○	○
G549.0 to G549.3	Cs contour control high speed switching signals	CONH1 to CONH4	○	○
G549.4	Groove of thread measurement signal	GTMSR	○	○
G549.5	Re-machining thread signal	RMTC	○	○
G549.6	Chamfering for arbitrary speed threading signal	ASTC	○	○

Address	Signal name	Symbol	T series	M series
G579.5	Web browser connection prohibition signal	WBEND	○	○
G579.6	Waiting M codes of high-speed type invalid signal	NHSW	●	●
	Speed-up of non-buffering command by G code invalid signal		○	○
G580	Actual speed display axis selection signals	*ACTF1 to *ACTF8	○	○
G581.0 to G581.6	Display language setting signals	LANG1 to LANG7	○	○
G581.7	Display language switch start signal	SLANG	○	○
G586.4 to G586.7	Spindle control mode off signals	MDOFF1 to MDOFF4	○	○
G587.0 to G587.3	Spindle position save start signal	SPMST1 to SPMST4	○	○
G587.4 to G587.7	Arbitrary spindle position phase synchronization signal	SPAPH1 to SPAPH4	○	○
G588.0 to G588.3	Spindle position save selection signal	SMSL11 to SMSL14	○	○
G588.4 to G588.7		SMSL21 to SMSL24	○	○
G594 to G595	Stored stroke limit range switching data selection signals	OTD0 to OTD15	○	○
G596	Stored stroke limit range switching axis selection signals	OTA1 to OTA8	○	○
G597	Stored stroke limit range switching selection signals	+OT11, -OT11, +OT12, -OT12, +OT2, -OT2, +OT3, -OT3	○	○
G598	Stored stroke limit range switching cancellation signals	+OT11C, -OT11C, +OT12C, -OT12C, +OT2C, -OT2C, +OT3C, -OT3C	○	○
G599.0	Stored stroke limit range switching start signal	OTSW	○	○
G599.3	Servo loop gain / in-position width switching signal	GIS	○	○
G599.4 to G599.5	Time constant of acceleration / deceleration after interpolation for cutting feed switching signals	CTC2 to CTC3	○	○
G599.6 to G599.7	Time constant of acceleration / deceleration after interpolation for rapid traverse switching signals	RTC2 to RTC3	○	○
G687	Dual control axes switching signal	SVMWC1 to SVMWC8	○	○
G708 to G711	Extended spindle motor speed command signals	RE01I to RE32I	○	○
G712 to G715		RE01I2 to RE32I2	○	○
G716 to G719		RE01I3 to RE32I3	○	○
G720 to G723		RE01I4 to RE32I4	○	○
G726	Total travel distance clear signal	TDC1 to TDC8	○	○
G765	DI signal for Data transfer between PMC and DCSPMC	TPMG00 to TPMG07	○	○
F000.0	Rewinding signal	RWD	○	○
F000.4	Feed hold lamp signal	SPL	○	○
F000.5	Cycle start lamp signal	STL	○	○
F000.6	Servo ready signal	SA	○	○
F000.7	Automatic operation signal	OP	○	○
F001.0	Alarm signal	AL	○	○
F001.1	Resetting signal	RST	○	○
F001.2	Battery alarm signal	BAL	○	○
F001.3	Distribution completion signals	DEN	○	○

Address	Signal name	Symbol	T series	M series
F001.4	Spindle enable signal	ENB	○	○
F001.5	Tapping signal	TAP	○	○
F001.7	CNC ready signal	MA	○	○
F002.0	Inch input signal	INCH	○	○
F002.1	Rapid traversing signal	RPDO	○	○
F002.2	Constant surface speed signal	CSS	○	○
F002.3	Threading signal	THRD	○	○
F002.4	Program restart under way signal	SRNMV	○	○
F002.6	Cutting feed signal	CUT	○	○
F002.7	Dry run check signal	MDRN	○	○
F003.0	Incremental feed selection check signal	MINC	○	○
F003.1	Manual handle feed selection check signal	MH	○	○
F003.2	Jog feed selection check signal	MJ	○	○
F003.3	Manual data input selection check signal	MMDI	○	○
F003.4	DNC operation selection confirm signal	MRMT	○	○
F003.5	Automatic operation selection check signal	MMEM	○	○
F003.6	Program edit selection check signal	MEDT	○	○
F004.0	Optional block skip check signals	MBDT1	○	○
F004.1	All-axis machine lock check signal	MMLK	○	○
F004.2	Manual absolute check signal	MABSM	○	○
F004.3	Single block check signal	MSBK	○	○
F004.4	Auxiliary function lock check signal	MAFL	○	○
F004.5	Manual reference position return selection check signal	MREF	○	○
F005	Optional block skip check signals	MBDT2 to MBDT9	○	○
F006.0	Touch panel check signal	TPPRS	○	○
F006.1	MDI reset confirmation signal	MDIRST	○	○
F006.2	Automatic screen erasure status in-progress signal	ERTVA	○	○
F007.0	Auxiliary function strobe signals	MF	○	○
F007.2	Spindle function strobe signal	SF	○	○
F007.3	Tool function strobe signal	TF	○	○
F007.7	2nd auxiliary function strobe signal	BF	○	○
F008.4	2nd M function strobe signal	MF2	○	○
F008.5	3rd M function strobe signal	MF3	○	○
F008.6	4th M function strobe signal	MF4	○	○
F008.7	5th M function strobe signal	MF5	○	○
F009.4	Decode M signals	DM30	○	○
F009.5		DM02	○	○
F009.6		DM01	○	○
F009.7		DM00	○	○
F010 to F013	Auxiliary function code signals	M00 to M31	○	○
F014 to F015	2nd M function code signals	M200 to M215	○	○
F016 to F017	3rd M function code signals	M300 to M315	○	○
	2nd M function code signals	M216 to M231	○	○
F022 to F025	Spindle function code signals	S00 to S31	○	○
F026 to F029	Tool function code signals	T00 to T31	○	○
F030 to F033	2nd auxiliary function code signals	B00 to B31	○	○
F034.0 to F034.2	Gear selection signals (output)	GR1O,GR2O,GR3O	-	○
F034.3	4th serial spindle ready signals	SRSP4R	○	○
F034.4	3rd serial spindle ready signals	SRSP3R	○	○
F034.5	2nd serial spindle ready signals	SRSP2R	○	○
F034.6	1st serial spindle ready signals	SRSP1R	○	○
F034.7	All-spindle operation ready signal	SRSRDY	○	○
F035.0	Spindle speed fluctuation detection alarm signal	SPAL	○	○

Address	Signal name	Symbol	T series	M series
F036.0 to F037.3	S 12-bit code signals	R01O to R12O	○	○
F038.0	Spindle clamp signal	SCLPA	○	○
F038.1	Spindle unclamp signal	SUCLPA	○	○
F038.2	Spindle enable signal	ENB2	○	○
F038.3		ENB3	○	○
F039.0	Spindle positioning mode signals	MSPOSA	○	○
F039.1	Spindle enable signal	ENB4	○	○
F039.2	Oscillation -in-progress signal	CHPMD	○	○
F039.3	Oscillation cycle signal	CHPCYL	○	○
F040,F041	Actual spindle speed signals	AR00 to AR15	○	○
F043.0 to F043.3	Phase error monitor signal (for each spindle)	SYCAL1 to SYCAL4	○	○
F044.1	Cs contour control change completion signal	FSCSL	○	○
F044.2	Spindle synchronous speed control completion signal	FSPSY	○	○
F044.3	Spindle phase synchronization control completion signal	FSPPH	○	○
F044.4	Phase error monitor signal	SYCAL	○	○
F045.0	Alarm signals (serial spindle)	ALMA	○	○
F045.1	Speed zero signals (serial spindle)	SSTA	○	○
F045.2	Speed detection signals (serial spindle)	SDTA	○	○
F045.3	Spindle speed arrival signal (serial spindle)	SARA	○	○
F045.4	Load detection signals 1(serial spindle)	LDT1A	○	○
F045.5	Load detection signals 2(serial spindle)	LDT2A	○	○
F045.6	Torque limit state signals (serial spindle)	TLMA	○	○
F045.7	Orientation completion signals (serial spindle)	ORARA	○	○
F046.0	Power line switch signals (serial spindle)	CHPA	○	○
F046.1	Spindle switch completion signals (serial spindle)	CFINA	○	○
F046.2	Output switch signals (serial spindle)	RCHPA	○	○
F046.3	Output switch completion signals (serial spindle)	RCFNA	○	○
F046.4	Subordinate operation status signals (serial spindle)	SLVSA	○	○
F046.5	Position coder orientation proximity signal (serial spindle)	PORA2A	○	○
F046.6	Magnetic sensor orientation completion signal (serial spindle)	MORA1A	○	○
F046.7	Magnetic sensor orientation proximity signals (serial spindle)	MORA2A	○	○
F047.0	Position coder one-rotation signal detection status signals (serial spindle)	PC1DTA	○	○
F047.1	Incremental orientation mode signals(serial spindle)	INCSTA	○	○
F047.3	Synchronous orientation enable signal	SORENA	○	○
F047.4	Motor excitation off state signal (serial spindle)	EXOFA	○	○
F047.6	One-rotation signal detection status signal for Cs contour control (serial spindle)	CS1DTA	○	○
F047.7	Reference position establishment completion signal (serial spindle)	CSYFNA	○	○
F048.4	Cs axis origin established state signals	CSPENA	○	○
F049.0	Alarm signals (serial spindle)	ALMB	○	○
F049.1	Speed zero signals (serial spindle)	SSTB	○	○
F049.2	Speed detection signals (serial spindle)	SDTB	○	○
F049.3	Spindle speed arrival signal (serial spindle)	SARB	○	○
F049.4	Load detection signals 1(serial spindle)	LDT1B	○	○
F049.5	Load detection signals 2(serial spindle)	LDT2B	○	○
F049.6	Torque limit state signals (serial spindle)	TLMB	○	○
F049.7	Orientation completion signals (serial spindle)	ORARB	○	○

Address	Signal name	Symbol	T series	M series
F050.0	Power line switch signals (serial spindle)	CHPB	○	○
F050.1	Spindle switch completion signals (serial spindle)	CFINB	○	○
F050.2	Output switch signals (serial spindle)	RCHPB	○	○
F050.3	Output switch completion signals (serial spindle)	RCFNB	○	○
F050.4	Subordinate operation status signals (serial spindle)	SLVSB	○	○
F050.5	Position coder orientation proximity signal (serial spindle)	PORA2B	○	○
F050.6	Magnetic sensor orientation completion signal (serial spindle)	MORA1B	○	○
F050.7	Magnetic sensor orientation proximity signals (serial spindle)	MORA2B	○	○
F051.0	Position coder one-rotation signal detection status signals (serial spindle)	PC1DTB	○	○
F051.1	Incremental orientation mode signals(serial spindle)	INCSTB	○	○
F051.3	Synchronous orientation enable signal	SORENB	○	○
F051.4	Motor excitation off state signal (serial spindle)	EXOFB	○	○
F051.6	One-rotation signal detection status signal for Cs contour control (serial spindle)	CS1DTB	○	○
F051.7	Reference position establishment completion signal (serial spindle)	CSYFNB	○	○
F052.4	Cs axis origin established state signals	CSPENB	○	○
F053.0	Key input disable signal	INHKY	○	○
F053.1	Program screen display mode signal	PRGDPL	○	○
F053.2	Input/output busy signal	IOBSY	○	○
F053.3	Input/output alarm signal	IOALM	○	○
F053.4	Background editing signal	BGEACT	○	○
F053.7	Key code read completion signal	EKENB	○	○
F054,F055	Custom macro output signals	UO000 to UO015	○	○
F056 to F059		UO100 to UO131	○	○
F060.0	Read completion signal for external data input	EREND	○	○
F060.1	Search completion signal for external data input	ESEND	○	○
F060.2	Search cancel signal for external data input	ESCAN	○	○
F061.0	B axis unclamp signal	BUCLP	-	○
F061.1	B axis clamp signal	BCLP	-	○
F061.2	Hard copy cancellation request reception signal	HCAB2	○	○
F061.3	Hard copy execution status signal	HCEXE	○	○
F061.4	Manual tool compensation uncompleted signal	MTLANG	○	-
F061.5	Manual tool compensation completion signal	MTLA	○	-
F062.0	AI contour control mode signal	AICC	○	○
F062.3	Spindle 1 under measurement signal	S1MES	○	-
F062.4	Spindle 2 under measurement signal	S2MES	○	-
F062.6	Three-dimensional coordinate conversion mode signal	D3ROT	○	○
F062.7	Target part count reached signal	PRTSF	○	○
F063.0	Polygon master axis not arrival signal	PSE1	○	○
F063.1	Polygon synchronization axis not arrival signal	PSE2	○	○
F063.2	Polygon spindle speed arrival signal	PSAR	○	○
F063.3	Path spindle command confirmation signal	COSP1	●	●
F063.4		COSP2	●	●
F063.6	Waiting signal	WATO	●	●
F063.7	Polygon synchronization under way signal	PSYN	○	○
F064.0	Tool change signal	TLCH	○	○
F064.1	New tool select signal	TLNW	○	○
F064.2	Individual tool change signal	TLCHI	○	○

Address	Signal name	Symbol	T series	M series
F064.3	Tool life arrival notice signal	TLCHB	○	○
F064.5	Path spindle command confirmation signal	COSP	●	●
F064.6	Path interference check in progress signal	TICHK	●	-
F064.7	Path interference alarm signal	TIALM	●	-
F065.0	Spindle rotation direction signals	RGSPP	○	○
F065.1		RGSPM	○	○
F065.2	Spindle synchronous speed ratio control clamp signal	RSMAX	○	○
F065.4	Retract completion signal	RTRCTF	○	○
F065.6	EGB mode signal	SYNMOD	○	○
F066.1	Rigid tapping retraction completion signal	RTPT	○	○
F066.2	Feed zero signal	FEED0	○	○
F066.5	Small-hole peck drilling cycle in progress signal	PECK2	-	○
F070,F071	Position switch signals	PSW01 to PSW16	○	○
F072	Software operator's panel general-purpose switch signals	OUT0 to OUT7	○	○
F073.0	Software operator's panel signal (MD1)	MD1O	○	○
F073.1	Software operator's panel signal (MD2)	MD2O	○	○
F073.2	Software operator's panel signal (MD4)	MD4O	○	○
F073.4	Software operator's panel signal (ZRN)	ZRNO	○	○
F074	Software operator's panel general-purpose switch signals	OUT8 to OUT15	○	○
F075.2	Software operator's panel signal (BDT)	BDTO	○	○
F075.3	Software operator's panel signal (SBK)	SBKO	○	○
F075.4	Software operator's panel signal (MLK)	MLKO	○	○
F075.5	Software operator's panel signal (DRN)	DRNO	○	○
F075.6	Software operator's panel signal (KEY1 to KEY4)	KEYO	○	○
F075.7	Software operator's panel signal (*SP)	SPO	○	○
F076.0	Software operator's panel signal (MP1)	MP1O	○	○
F076.1	Software operator's panel signal (MP2)	MP2O	○	○
F076.3	Rigid tapping-in-progress signal	RTAP	○	○
F076.4	Software operator's panel signal (ROV1)	ROV1O	○	○
F076.5	Software operator's panel signal (ROV2)	ROV2O	○	○
F077.0	Software operator's panel signal (HS1A)	HS1AO	○	○
F077.1	Software operator's panel signal (HS1B)	HS1BO	○	○
F077.2	Software operator's panel signal (HS1C)	HS1CO	○	○
F077.3	Software operator's panel signal (HS1D)	HS1DO	○	○
F077.6	Software operator's panel signal (RT)	RTO	○	○
F078	Software operator's panel signal (*FV0 to *FV7)	*FV0O to *FV7O	○	○
F079,F080	Software operator's panel signal (*JV0 to *JV15)	*JV0O to *JV15O	○	○
F081.0,F081.2, F081.4,F081.6	Software operator's panel signal (+J1 to +J4)	+J1O to +J4O	○	○
F081.1,F081.3, F081.5,F081.7	Software operator's panel signal (-J1 to -J4)	-J1O to -J4O	○	○
F082.2	Reverse movement signal	RVSL	-	○
F082.6	EGB synchronization mode confirmation signal	EGBSM	○	○
F084,F085	Output signals for P-code macro	EUO00 to EUO15	○	○
F090.0	Servo axis unexpected disturbance torque detection signal	ABTQSV	○	○
F090.1	1st spindle unexpected disturbance torque detection signal	ABTSP1	○	○
F090.2	2nd spindle unexpected disturbance torque detection signal	ABTSP2	○	○

Address	Signal name	Symbol	T series	M series
F090.3	3rd spindle unexpected disturbance torque detection signal	ABTSP3	○	○
F090.4	Servo motor spindle synchronization mode acceleration/deceleration completion signal	SYAR	○	○
F090.5	Servo motor spindle synchronization mode signal	SYSSM	○	○
F090.6	Servo motor spindle control mode acceleration/deceleration completion signal	SVAR	○	○
F090.7	Servo motor spindle control mode signal	SVSPM	○	○
F091.0	Reverse movement signal	MRVMD	○	○
F091.1	Direction change prohibition signal	MNCHG	○	○
F091.2	Reverse movement prohibition signal	MRVSP	○	○
F091.3	Check mode confirmation signal	MMMOD	○	○
F091.4	4th spindle unexpected disturbance torque detection signal	ABTSP4	○	○
F091.5	Auxiliary function output block reverse movement enable output signal	ADCO	○	○
F092.3	Tool retraction mode signal	TRACT	○	○
F092.4	Tool retraction axis movement signal	TRMTN	○	○
F092.5	Tool return completion signal	TRSPS	○	○
F093.0	Periodic maintenance lifetime warning signal	LIFOVR	○	○
F093.1	Alarm level detection signal	SFAN	○	○
F093.2	Tool life counting disabled signal	LFCIF	○	○
F093.3	Warning level detection signal	WFAN	○	○
F093.4	Servo warning detail signals	SVWRN1	○	○
F093.5		SVWRN2	○	○
F093.6		SVWRN3	○	○
F093.7		SVWRN4	○	○
F094	Reference position return end signals	ZP1 to ZP8	○	○
F096	2nd reference position return completion signals	ZP21 to ZP28	○	○
F098	3rd reference position return completion signals	ZP31 to ZP38	○	○
F100	4th reference position return completion signals	ZP41 to ZP48	○	○
F102	Axis moving signals	MV1 to MV8	○	○
F104	In-position signals	INP1 to INP8	○	○
F106	Axis moving direction signals	MVD1 to MVD8	○	○
F108	Mirror image check signals	MMI1 to MMI8	○	○
F110	Controlled axis detach status signals	MDTCH1 to MDTCH8	○	○
F112	Distribution completion signals (PMC axis control)	EADEN1 to EADEN8	○	○
F114	Torque limit reached signals	TRQL1 to TRQL8	○	○
F118	Synchronous/composite/superimposed control under way signals	SYN1O to SYN8O	○	○
F120	Reference position establishment signals	ZRF1 to ZRF8	○	○
F122	High-speed skip status signals	HDO0 to HDO7	○	○
F124	Overtravel alarm signals	+OT1 to +OT8	○	○
F126		-OT1 to -OT8	○	○
F129.5	Override 0% signal (PMC axis control)	EOV0	○	○
F129.7	Controlled axis selection status signals (PMC axis control)	*EAXSL	○	○
F130.0	In-position signal (PMC axis control)	EINPA	○	○
F130.1	Following zero checking signals (PMC axis control)	ECKZA	○	○
F130.2	Alarm signal (PMC axis control)	EIALA	○	○
F130.3	Auxiliary function executing signals (PMC axis control)	EDENA	○	○

Address	Signal name	Symbol	T series	M series
F130.4	Axis moving signals (PMC axis control)	EGENA	○	○
F130.5	Positive-direction overtravel signals (PMC axis control)	EOTPA	○	○
F130.6	Negative-direction overtravel signals (PMC axis control)	EOTNA	○	○
F130.7	Axis control command read completion signals (PMC axis control)	EBSYA	○	○
F131.0	Auxiliary function strobe signal (PMC axis control)	EMFA	○	○
F131.1	Buffer full signals (PMC axis control)	EABUFA	○	○
F131.2	Auxiliary function 2 strobe signal (PMC axis control)	EMF2A	○	○
F131.3	Auxiliary function 3 strobe signal (PMC axis control)	EMF3A	○	○
F132,F142	Auxiliary function code signals (PMC axis control)	EM11A to EM48A	○	○
F133.0	In-position signal (PMC axis control)	EINPB	○	○
F133.1	Following zero checking signals (PMC axis control)	ECKZB	○	○
F133.2	Alarm signal (PMC axis control)	EIALB	○	○
F133.3	Auxiliary function executing signals (PMC axis control)	EDENB	○	○
F133.4	Axis moving signals (PMC axis control)	EGENB	○	○
F133.5	Positive-direction overtravel signals (PMC axis control)	EOTPB	○	○
F133.6	Negative-direction overtravel signals (PMC axis control)	EOTNB	○	○
F133.7	Axis control command read completion signals (PMC axis control)	EBSYB	○	○
F134.0	Auxiliary function strobe signal (PMC axis control)	EMFB	○	○
F134.1	Buffer full signals (PMC axis control)	EABUFB	○	○
F134.2	Auxiliary function 2 strobe signal (PMC axis control)	EMF2B	○	○
F134.3	Auxiliary function 3 strobe signal (PMC axis control)	EMF3B	○	○
F135,F145	Auxiliary function code signals (PMC axis control)	EM11B to EM48B	○	○
F136.0	In-position signal (PMC axis control)	EINPC	○	○
F136.1	Following zero checking signals (PMC axis control)	ECKZC	○	○
F136.2	Alarm signal (PMC axis control)	EIALC	○	○
F136.3	Auxiliary function executing signals (PMC axis control)	EDENC	○	○
F136.4	Axis moving signals (PMC axis control)	EGENC	○	○
F136.5	Positive-direction overtravel signals (PMC axis control)	EOTPC	○	○
F136.6	Negative-direction overtravel signals (PMC axis control)	EOTNC	○	○
F136.7	Axis control command read completion signals (PMC axis control)	EBSYC	○	○
F137.0	Auxiliary function strobe signal (PMC axis control)	EMFC	○	○
F137.1	Buffer full signals (PMC axis control)	EABUFC	○	○
F137.2	Auxiliary function 2 strobe signal (PMC axis control)	EMF2C	○	○
F137.3	Auxiliary function 3 strobe signal (PMC axis control)	EMF3C	○	○
F138,F148	Auxiliary function code signals (PMC axis control)	EM11C to EM48C	○	○
F139.0	In-position signal (PMC axis control)	EINPD	○	○
F139.1	Following zero checking signals (PMC axis control)	ECKZD	○	○
F139.2	Alarm signal (PMC axis control)	EIALD	○	○
F139.3	Auxiliary function executing signals (PMC axis control)	EDEND	○	○
F139.4	Axis moving signals (PMC axis control)	EGEND	○	○
F139.5	Positive-direction overtravel signals (PMC axis control)	EOTPD	○	○

Address	Signal name	Symbol	T series	M series
F139.6	Negative-direction overtravel signals (PMC axis control)	EOTND	○	○
F139.7	Axis control command read completion signals (PMC axis control)	EBSYD	○	○
F140.0	Auxiliary function strobe signal (PMC axis control)	EMFD	○	○
F140.1	Buffer full signals (PMC axis control)	EABUFD	○	○
F140.2	Auxiliary function 2 strobe signal (PMC axis control)	EMF2D	○	○
F140.3	Auxiliary function 3 strobe signal (PMC axis control)	EMF3D	○	○
F141,F151	Auxiliary function code signals (PMC axis control)	EM11D to EM48D	○	○
F154.0	Number of remaining tools notification signal	TLAL	-	○
F160,F161	Multi-spindle address P signals	MSP00 to MSP15	○	○
F168.0	Alarm signals (serial spindle)	ALMC	○	○
F168.1	Speed zero signals (serial spindle)	SSTC	○	○
F168.2	Speed detection signals (serial spindle)	SDTC	○	○
F168.3	Spindle speed arrival signal (serial spindle)	SARC	○	○
F168.4	Load detection signals 1(serial spindle)	LDT1C	○	○
F168.5	Load detection signals 2(serial spindle)	LDT2C	○	○
F168.6	Torque limit state signals (serial spindle)	TLMC	○	○
F168.7	Orientation completion signals (serial spindle)	ORARC	○	○
F169.0	Power line switch signals (serial spindle)	CHPC	○	○
F169.1	Spindle switch completion signals (serial spindle)	CFINC	○	○
F169.2	Output switch signals (serial spindle)	RCHPC	○	○
F169.3	Output switch completion signals (serial spindle)	RCFNC	○	○
F169.4	Subordinate operation status signals (serial spindle)	SLVSC	○	○
F169.5	Position coder orientation proximity signal (serial spindle)	PORA2C	○	○
F169.6	Magnetic sensor orientation completion signal (serial spindle)	MORA1C	○	○
F169.7	Magnetic sensor orientation proximity signals (serial spindle)	MORA2C	○	○
F170.0	Position coder one-rotation signal detection status signals (serial spindle)	PC1DTC	○	○
F170.1	Incremental orientation mode signals(serial spindle)	INCSTC	○	○
F170.3	Synchronous orientation enable signal	SORENC	○	○
F170.4	Motor excitation off state signal (serial spindle)	EXOFC	○	○
F170.6	One-rotation signal detection status signal for Cs contour control (serial spindle)	CS1DTC	○	○
F170.7	Reference position establishment completion signal (serial spindle)	CSYFNC	○	○
F171.4	Cs axis origin established state signals	CSPENC	○	○
F172.6	Absolute position detector battery voltage zero alarm signal	PBATZ	○	○
F172.7	Absolute position detector battery voltage low alarm signal	PBATL	○	○
F180	Torque limit reach signals for reference point setting with mechanical stopper	CLRCH1 to CLRCH8	○	○
F182	Controlling signals (PMC axis control)	EACNT1 to EACNT8	○	○
F184	Unexpected disturbance torque detection signal	ABDT1 to ABDT8	○	○
F190	Torque control mode signal (PMC axis control)	TRQM1 to TRQM8	○	○
F197.0 to F197.3	Flexible synchronization control mode status signals	MFSYNA,MFSYNB MFSYNC,MFSYND	○	○
F200.0 to F201.3	S 12-bit code signals	R01O2 to R12O2	○	○
F202,F203	Actual spindle speed signals	AR002 to AR152	○	○

Address	Signal name	Symbol	T series	M series
F204.0 to F205.3	S 12-bit code signals	R01O3 to R12O3	○	○
F206,F207	Actual spindle speed signals	AR003 to AR153	○	○
F208	EGB mode confirmation signals	EGBM1 to EGBM8	○	○
F210	Machine coordinate match state output signals	SYNMT1 to SYNMT8	○	○
F211	Synchronization compensation enable state output signals	SYNOF1 to SYNOF8	○	○
F264.0 to F265.0	Spindle warning detail signals 1 to 9	SPWRN1 to SPWRN9	○	○
F266.0	Alarm signals (serial spindle)	ALMD	○	○
F266.1	Speed zero signals (serial spindle)	SSTD	○	○
F266.2	Speed detection signals (serial spindle)	SDTD	○	○
F266.3	Spindle speed arrival signal (serial spindle)	SARD	○	○
F266.4	Load detection signals 1(serial spindle)	LDT1D	○	○
F266.5	Load detection signals 2(serial spindle)	LDT2D	○	○
F266.6	Torque limit state signals (serial spindle)	TLMD	○	○
F266.7	Orientation completion signals (serial spindle)	ORARD	○	○
F267.0	Power line switch signals (serial spindle)	CHPD	○	○
F267.1	Spindle switch completion signals (serial spindle)	CFIND	○	○
F267.2	Output switch signals (serial spindle)	RCHPD	○	○
F267.3	Output switch completion signals (serial spindle)	RCFND	○	○
F267.4	Subordinate operation status signals (serial spindle)	SLVSD	○	○
F267.5	Position coder orientation proximity signal (serial spindle)	PORA2D	○	○
F267.6	Magnetic sensor orientation completion signal (serial spindle)	MORA1D	○	○
F267.7	Magnetic sensor orientation proximity signals (serial spindle)	MORA2D	○	○
F268.0	Position coder one-rotation signal detection status signals (serial spindle)	PC1DTD	○	○
F268.1	Incremental orientation mode signals (serial spindle)	INCSTD	○	○
F268.3	Synchronous orientation enable signal	SOREND	○	○
F268.4	Motor excitation off state signal (serial spindle)	EXOFD	○	○
F268.6	One-rotation signal detection status signal for Cs contour control (serial spindle)	CS1DTD	○	○
F268.7	Reference position establishment completion signal (serial spindle)	CSYFND	○	○
F269.4	Cs axis origin established state signals	CSPEND	○	○
F270.0 to F271.3	S 12-bit code signals	R01O4 to R12O4	○	○
F272,F273	Actual spindle speed signals	AR004 to AR154	○	○
F274.0 to F274.3	Cs contour control change completion signal (for each spindle)	FCSS1 to FCSS4	○	○
F274.4 to F274.7	Cs axis coordinate establishment alarm signals (for each spindle)	CSFO1 to CSFO4	○	○
F276 to F277	Custom macro output signals	UO016 to UO031	○	○
F280 to F283		UO200 to UO231	○	○
F284 to F287		UO300 to UO331	○	○
F288.0 to F288.3	Spindle synchronous speed control completion signal (for each spindle)	FSPSY1 to FSPSY4	○	○
F289.0 to F289.3	Spindle phase synchronization control completion signal (for each spindle)	FSPPH1 to FSPPH4	○	○
F290.2	DeviceNet communication normal signal	DNTCM	○	○
F290.4	High speed program check saving data signal	PCKSV	○	○
F290.5	High speed program check mode signal	PRGMD	○	○

Address	Signal name	Symbol	T series	M series
F293,F294	High-speed position switch signals	HPS01 to HPS16	○	○
F295.6	Dual display forcible end status signal	C2SENO	○	○
F295.7	Key control selection status signal	CNCKYO	○	○
F296	Diameter/radius specification switching in-progress signals (each axis)	DM1 to DM8	○	○
F297.0	Block cancel acknowledgement signal	MBCAN	○	○
F298	Trouble forecast signals for thermal simulation	TDSML1 to TDSML8	○	○
F299	Trouble forecast signals for disturbance level	TDFTR1 to TDFTR8	○	○
F306.4	DC-link failure detection state signal (serial spindle)	VDCABA	○	○
F307.0	Adaptive resonance elimination filter search completion signal (serial spindle)	FRDTEA	○	○
F307.1	Power failure detection signal (serial spindle)	XPFLA	○	○
F307.2	Inertia estimation completion signal (serial spindle)	INESFNA	○	○
F308.4	DC-link failure detection state signal (serial spindle)	VDCABB	○	○
F309.0	Adaptive resonance elimination filter search completion signal (serial spindle)	FRDTEB	○	○
F309.1	Power failure detection signal (serial spindle)	XPFLB	○	○
F309.2	Inertia estimation completion signal (serial spindle)	INESFNB	○	○
F310.4	DC-link failure detection state signal (serial spindle)	VDCABC	○	○
F311.0	Adaptive resonance elimination filter search completion signal (serial spindle)	FRDTEC	○	○
F311.1	Power failure detection signal (serial spindle)	XPFLC	○	○
F311.2	Inertia estimation completion signal (serial spindle)	INESFNC	○	○
F312.4	DC-link failure detection state signal (serial spindle)	VDCABD	○	○
F313.0	Adaptive resonance elimination filter search completion signal (serial spindle)	FRDTED	○	○
F313.1	Power failure detection signal (serial spindle)	XPFLD	○	○
F313.2	Inertia estimation completion signal (serial spindle)	INESFND	○	○
F315.0	Tool skip completion signal	TLSKF	○	○
F315.1	Tool search in-progress signal	TLMSRH	○	○
F315.2	Tool management data modification in-progress signal	TLMG10	○	○
F315.4	Tool management data output in-progress signal	TLMOT	○	○
F315.6	Life expiration signal	TMFNFD	○	○
F315.7	Tool management data edit in-progress signal	TLMEM	○	○
F316.6	Program restart MDI program output completion signal	SQMPR	○	○
F316.7	Program restart MDI program execution completion signal	SQMPE	○	○
F328.0 to F328.3	Tool change signals 1 to 4	TLCH1 to TLCH4	○	○
F328.4 to F328.7	Individual tool change signals 1 to 4	TLCHI1 to TLCHI4	○	○
F329.0 to F329.3	Tool skip completion signals 1 to 4	TLSKF1 to TLSKF4	○	○
F329.4 to F329.7	Tool life expiration notice signals 1 to 4	TLCHB1 to TLCHB4	○	○
F341	Synchronous master axis confirmation signals	SYCM1 to SYCM8	○	○
F342	Synchronous slave axis confirmation signals	SYCS1 to SYCS8	○	○
F343	Composite axis confirmation signals	MIXO1 to MIXO8	○	○
F344	Superimposed control master axis confirmation signals	OVMO1 to OVMO8	○	○
F345	Superimposed control slave axis confirmation signals	OVSO1 to OVSO8	○	○
F346	Parking axis confirmation signals	SMPK1 to SMPK8	○	○
F347.7	3-dimensional coordinate conversion manual interrupt mode in-progress signal	D3MI	○	○

Address	Signal name	Symbol	T series	M series
F351.0 to F351.3	Simple spindle EGB mode signals	SSEGBM1 to SSEGBM4	○	○
F358	Each axis workpiece coordinate system preset completion signals	WPSF1 to WPSF8	○	○
F376	Speed zero signals	SVSST1 to SVSST8	○	○
F377	Speed arrival signals	SVSAR1 to SVSAR8	○	○
F381.0 to F381.3	Flexible synchronization control phase synchronization end signals	PHFINA to PHFIND	○	○
F400.1	Spindle unclamp signal	SUCLPB	○	○
F400.2		SUCLPC	○	○
F400.3		SUCLPD	○	○
F401.1	Spindle clamp signal	SCLPB	○	○
F401.2		SCLPC	○	○
F401.3		SCLPD	○	○
F402.1	Spindle positioning mode signals	MSPOSB	○	○
F402.2		MSPOSC	○	○
F402.3		MSPOSD	○	○
F403.0	Signal for indicating a positional deviation error alarm for axis synchronous control	SYNER	○	○
F404.0	Path spindle command confirmation signal	COSP3	●	●
F404.1		COSP4	●	●
F512.0	Macro call executing signal	MCEXE	○	○
F512.1	Mode change request signal	MCRQ	○	○
F512.2	Abnormal end signal	MCSP	○	○
F513.0	Mode notification signal	MD1R	○	○
F513.1		MD2R	○	○
F513.2		MD4R	○	○
F513.5		DNCIR	○	○
F513.7		ZRNR	○	○
F514,F515	Call program confirmation signal	MCEX1 to MCEX16	○	○
F517.0 to F517.7	Reference position match signals	RP11 to RP18	○	○
F518.0 to F518.7	2nd reference position match signals	RP21 to RP28	○	○
F520.0	Automatic data backup executing signal	ATBK	○	○
F520.3	In-acceleration/deceleration signal	ACDEC	-	○
F521	SV speed control mode in-progress signal	SVREV1 to SVREV8	○	○
F522	Spindle indexing signals for each axis	SPP1 to SPP8	○	○
F526.5	Dwell status signal	DWL	○	○
F527.6	Phase synchronization for Servo/Spindle synchronous finished signal	SYPFN	○	○
F527.7	Phase synchronization for Servo/Spindle synchronous error signal	SYPER	○	○
F531.6	External device program execution signal	DVCPR	○	○
F531.7	β ready signal	IOLBR	○	○
F532	Axis synchronous control status signals	SYNO1 to SYNO8	○	○
F534.1	Quick program restart under way signal	SRNEX	○	○
F534.4	Middle block start signal	MBSO	○	○
F535.0	I/O Link 1 retry abnormality warning signal	WIOCH1	○	○
F535.1	I/O Link 2 retry abnormality warning signal	WIOCH2	○	○
F535.2	I/O Link 3 retry abnormality warning signal	WIOCH3	○	○
F535.3	SRAM ECC abnormality warning signal	WECCS	○	○
F535.4	Embedded Ethernet communication abnormality warning signal	WETE	○	○

Address	Signal name	Symbol	T series	M series
F535.5	Fast Ethernet communication abnormality warning signal	WETF	○	○
F535.6	FL-net1 communication abnormality warning signal	WFLN1	○	○
F535.7	FL-net2 communication abnormality warning signal	WFLN2	○	○
F536.2	Removal completion signal	RMVED	○	○
F536.3	Assignment completion signal	ASNED	○	○
F536.4	Exchange completion signal	EXCED	○	○
F536.7	Initial axis assignment signal	INIST	○	○
F545.0	Display language switch completion signal	FLANG	○	○
F545.1	Inter-path flexible synchronization mode signal Advanced superimposition mode signal	OVLNS	○	○
F545.4	DeviceNet communication abnormal signal	DNTER	○	○
F546.0 to F546.3	Cs contour control high speed switching completion signals	CSMC1 to CSMC4	○	○
F546.4	Groove of thread measurement completion signal	GTMC	○	○
F546.5	Groove of thread measurement error signal	GTME	○	○
F547.5	Programs not saved status signal	HPMNTS	○	○
F547.6	Programs saving in progress signal	HPMSVM	○	○
F547.7	Programs save error signal	HPMERR	○	○
F553.0 to F553.3	Automatic phase synchronization error detection signals	PHERA, PHERB, PHERC, PHERD	○	○
F553.4 to F553.7	Flexible synchronization control mode selecting signals	FSYSA, FSYSB, FSYSC, FSYSD	○	○
F558.0	Notification signal for modification of C Language Executor program	CDCEX	○	○
F558.1	Notification signal for modification of 1st path PMC Ladder program	CDLAD1	○	○
F558.2	Notification signal for modification of 2nd path PMC Ladder program	CDLAD2	○	○
F558.3	Notification signal for modification of 3rd path PMC Ladder program	CDLAD3	○	○
F558.4	Notification signal for modification of Dual Check Safety PMC Ladder program	CDDCL	○	○
F558.5	Notification signal for modification of CNC parameter	CDPRM	○	○
F558.6	Notification signal for modification of 4th path PMC Ladder program	CDLAD4	○	○
F558.7	Notification signal for modification of 5th path PMC Ladder program	CDLAD5	○	○
F559	Excess synchronization error signals	SEO1 to SEO8	○	○
F564 to F567	3rd M function code signals	M300 to M331	○	○
F568 to F571	4th M function code signals	M400 to M431	○	○
F572 to F575	5th M function code signals	M500 to M531	○	○
F577.0 to F577.3	Spindle position save completion signal	SPMFN1 to SPMFN4	○	○
F577.4 to F577.7	Spindle position save error signal	SPMER1 to SPMER4	○	○
F578.2	Web browser connection status signal	WBCNT	○	○
F578.5	NC data output signal	ALLO	○	○
F580 to F583	Extended actual spindle speed signals	ARE00 to ARE31	○	○
F584 to F587		ARE002 to ARE312	○	○
F588 to F591		ARE003 to ARE313	○	○
F592 to F595		ARE004 to ARE314	○	○

Address	Signal name	Symbol	T series	M series
F598	Stored stroke limit range switching confirmation signals	+OT11O, -OT11O, +OT12O, -OT12O, +OT2O, -OT2O, +OT3O, -OT3O	○	○
F599.0	Stored stroke limit range switching finish signal	OTSWFN	○	○
F599.3	Servo loop gain / in-position width switching confirmation signal	GISO	○	○
F599.4 to F599.5	Time constant of acceleration / deceleration after interpolation for cutting feed switching confirmation signals	CTC2O to CTC3O	○	○
F599.6 to F599.7	Time constant of acceleration / deceleration after interpolation for rapid traverse switching confirmation signals	RTC2O to RTC3O	○	○
F687	Dual control axes status signal	SVMWS1 to SVMWS8	○	○
F708 to F711	S32-bit code signals	RE01O to RE32O	○	○
F712 to F715		RE01O2 to RE32O2	○	○
F716 to F719		RE01O3 to RE32O3	○	○
F720 to F723		RE01O4 to RE32O4	○	○
F730	Target distance attainment status signal	TDA1 to TDA8	○	○
F747	DO signal for Data transfer between PMC and DCSPMC	TDCF00 to TDCF07	○	○