

Spindle Servo Drive CN3			
Function	Name	Pin	
A Phase Encoder Feedback Output	OA+	9	TB3-7
	OA-	18	TB3-8
B Phase Encoder Feedback Output	OB+	17	TB3-10
	OB-	8	TB3-11
Z Phase Encoder Feedback Output	OZ+	7	TB3-13
	OZ-	16	TB3-14
	0V	25	
	5V	26	
Shield GND	E	27	

Spindle Servo Drive CN1			
Function	Name	Pin	
Alarm Ready Relay Output	E	1	
C Axis Ready Relay Output	MIC	2	
Relay Output	M1B	3	
Speed in Position Digital Output	O3P	4	
Zero Stop in Position Digital Output	O2N	5	
Servo Ready Output Digital Output	O0N	6	
Digital Input Correct Stop	I2	7	
Digital Input Rigid Tapping	I3	8	
Digital Input Position Mode	I4	9	
Digital Input Scream/Zero Speed	I5	10	
Digital Input Swing	I6	11	
Connect +24v = NPN or COM = PNP	SEL	12	COM
Analog +/- 10v Input	A0	14	
Analog 0-10V Input	A1	15	TB4-2
Alarm Relay Output	Er	16	
Alarm Relay Output	E	17	
Relay Output	M1A	18	
Speed in Position	O3N	20	
Correct Stop in Position	O1N	21	
Digital Input CW	I0	22	CN3-39
Digital Input CCW	I1	23	TB4-8
Digital Input Jog	I8	24	
Digital Input 2nd Correct Stop	I9	25	
Digital Input Fault Reset	I7	26	
Analog Ground	GND	29	TB4-1
12v Analog Power	I2V	30	TB4-3
Correct Stop in Position Relay Output	M0C	31	
Relay Output	M0A	32	
Relay Output	M0B	33	
Zero Stop in Position Digital Output	O2P	34	
Correct Stop in Postn Digital Output	O1P	35	
Servo Ready Digital Output	O0P	36	
From 24v power supply	2	39	TB1-1
From 24v power supply	COM	40	TB1-8
Shield Gnd	E	45	

Typical Connections for Axis Servo Drive CN3			
Pin	Name	Function	
TB2-21	1	APULS+	Reference pulse input
TB2-20	2	APULSE-	Reference pulse input
TB2-23	3	ASIGN+	Reference signal input
TB2-22	4	ASIGN-	
5	AV-REF	Speed reference input	
6	GND	Signal Ground	
7	OUT1+	Output port 1, which can be reallocated (Factory setting: ALM)	
8	OUT1-		
9	OUT2+	Output port 2, which can be reallocated (Factory setting:/COIN)	
10	OUT2-		
11	OUT3+	Output port 3, which can be reallocated (Factory setting:/TGON)	
12	OUT3-		
13	DICOM	Common port of input signal	
14	IN1	Input port 1, which can be reallocated (Factory setting;/S-ON)	
15	IN2	Input port 2, which can be reallocated (Factory setting;/P-COM)	
16	IN3	Input port 3, which can be reallocated (Factory setting: POT)	
17	IN4	Input port 4, which can be reallocated (Factory setting: NOT)	
18	AT-REF	Torque reference input	
19	APAO+	Phase A of PG frequency dividing output	
20	APAO-		
21	APBO+	Phase B of PG frequency dividing output	
22	APBP-		
23	APCO+	Phase C of PG frequency dividing output	
24	APCO-		
25	GND	Signal Ground	

X Axis SN04-P2 Home Sw			
PNP-NC	24v+	X-BK	TB5-1
Com	0v	X-BL	
24v	24v	X-BR	

Y Axis SN04-P2 Home Sw			
PNP-NC	24v+	Y-BK	TB5-2
Com	0v	X-BL	
24v	24v	X-BR	

Z Axis SN04-P2 Home Sw			
PNP-NC	24v+	Z-BK	TB5-3
Com	0v	X-BL	
24v	24v+	X-BR	

Touch Probe			
24v	TP-1	TB5-4	
24v	TP-2		

Tool Setter			
24v	TS-1	TB5-5	
24v	TS-2		

E-Stop			
24v	ES-1	TB6-1	
24v	ES-2		

24v Relay Power Supply			
L	V+	24v+	
N	V-	0v-	
G	V+	24v+	
	V-	0v-	

305 24Vac 220vac to 24vac Transfr			
0	24Vac	L1	
	0Vac	L2	
		G	

