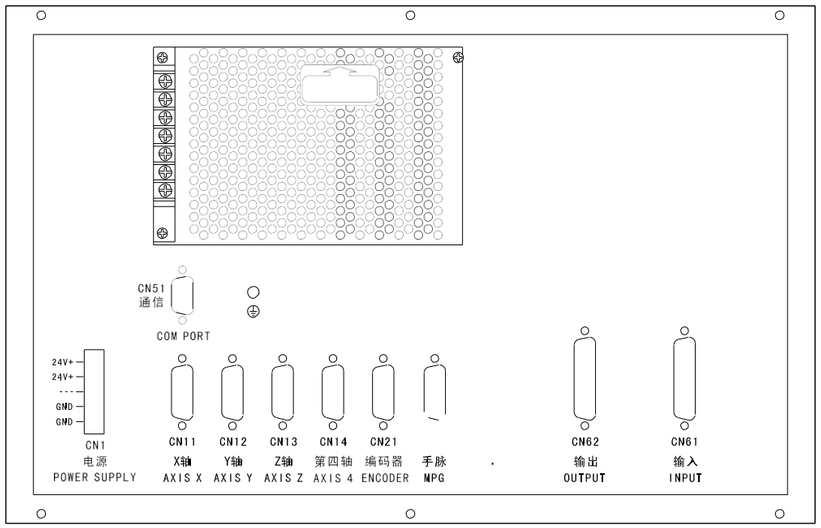
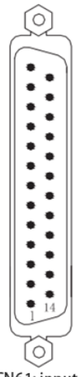
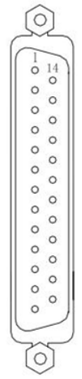




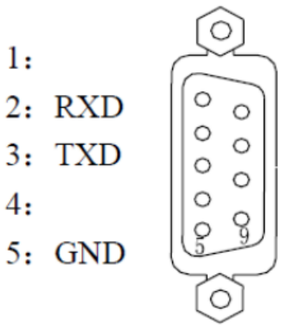
CN61: input, 25-core D-hole socket

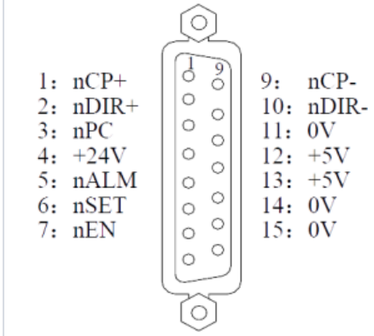
Foot number	addre ss	function	illustrate
3、10、19	0V	Power connector	Power supply 0V
4、7、11、16、20、23	+24V	Power connector	Power supply +24V
1	X0.0	SAGT	Protective door detection signal/directional presence signal
14	X0.1	SP	External pause signal
2	X0.2	THAN	External manual loosening control
15	X0.3	DECX	X-axis zero deceleration signal
17	X0.4	G31	G31 jump signal/tool tester signal
5	X0.5	ESP	Emergency stop signal
18	X0.6	DECY	Y-axis return zero deceleration signal
6	X0.7	LMIX	X-axis overhaul signal/4th-axis deceleration signal
8	X1.0	TOPE	Tool release in place signal / M89K0 heartbeat / macro input #1008
21	X1.1	TCLO	Tool clamping in place signal / M89K1 heartbeat / macro input #1009
9	X1.2	LMIY	Y-axis overhaul signal/M89K2 heartbeat/macro input #1010
22	X1.3	DECZ	Z-axis zero deceleration signal / M89K3 heartbeat / macro input #1011
24	X1.4	ST	External loop start / M89K4 heartbeat / macro input #1012
12	X1.5	M41I	1st gear in place signal / external processing blow / M89K5 detection signal / macro input #1013
25	X1.6	M42I	2-stop in place signal / tool setter overhaul signal / M89K6 detection signal / macro input #1014
13	X1.7	LMIZ	Z-axis overhaul/M89K7 heartbeat/macro input #1015

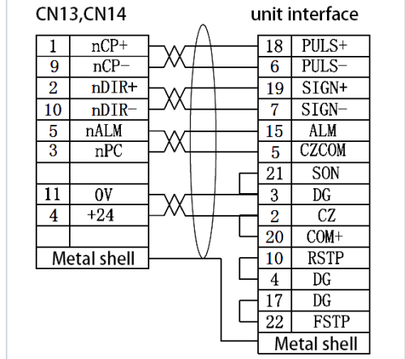


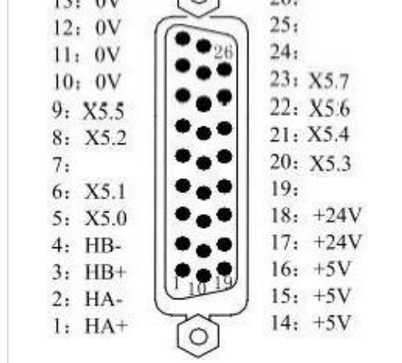
CN62: output, 25-core D-pin socket

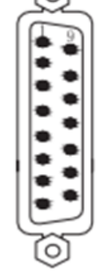
Foot number	address	function	illustrate
3、7、10、16、19、23	0V	Power connector	Power supply 0V
4、11、20	+24V	Power connector	Power supply +24V
1	Y0.0	COOL	Cooling output (M08/M09)
14	Y0.1	M32	Lubrication output (M32/M33)
2	Y0.2	TCLA	Tool Loose Clamp (M16/M17)
15	Y0.3	M03	The spindle is turning to M03
17	Y0.4	M04	The spindle is reversed M04
5	Y0.5	M05	Spindle stop M05/lock output //spindle pulse enabled
18	Y0.6	M07	Processing blow (M07/M09)
6	Y0.7	SPZD	Spindle brake//spindle orientation
8	Y1.0	SI/M41	Mechanical gear 1 output / guard door (M34/M35) / M89 I0 / macro output #1100
21	Y1.1	S2/M42	Mechanical gear 2 output/chip evacuator (M36/M37)/M89 I1/macro output #1101
9	Y1.2	S3/M43	Mechanical gear 3 output/work light (M38/M39)/M89 I2/macro output #1102
22	Y1.3	S4/M44	Mechanical gear 4 output/K2 custom output (M72/M73)/M89 I3/macro output #1103
24	Y1.4	M70	K1 Knife Blowing (M70/M71)/M89 I4/Macro Output #1104
12	Y1.5	CLPY	Tri-color light - yellow light / K3 custom output (M74/M75)/M89 I5/macro output #1105
25	Y1.6	CLPG	Tri-color lights—Green light/Custom output (M76/M77)/M89 I6/Macro output #1106
13	Y1.7	CLPR	Tri-color light - red light / M89 I7 / macro output #1107











CN21encoder interface(5core needles).

Foot number	name	illustrate
1、11、14、15	GND	Power supply 0V
2	nALM_M	Spindle alarm signal
3	#PCS	Encoder C phase negative pulse
4	PCS	Encoder C phase forward pulse
5	#PBS	Encoder B phase negative pulse
6	PBS	Encoder B phase forward pulse
7	#PAS	Encoder A phase negative pulse
8	PAS	Encoder A phase forward pulse
9	SVC_OUT	Spindle analog voltage output
12	TH5IO5V	Power supply 5V
13	TH5IO5V	Power supply 5V

