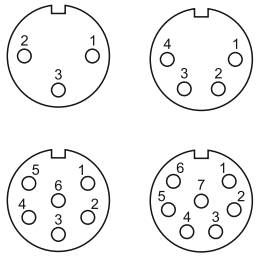
MESA 7i76E			
TB2	8-11		Step X
	14-17		Step Y
	20-23		Step Z
	24		5V Enable
TB5	5	hm2_7i76e.0.7i76e.0.0.input-20	
	6	hm2_7i76e.0.7i76e.0.0.input-21	
	7	hm2_7i76e.0.7i76e.0.0.input-22	
	8	hm2_7i76e.0.7i76e.0.0.input-23	
	9	hm2_7i76e.0.7i76e.0.0.input-24	E-Stop
	10	hm2_7i76e.0.7i76e.0.0.input-25	Amp Fault X
	11	hm2_7i76e.0.7i76e.0.0.input-26	Amp Fault Y
	12	hm2_7i76e.0.7i76e.0.0.input-27	Amp Fault Z
	13	hm2_7i76e.0.7i76e.0.0.input-28	
	14	hm2_7i76e.0.7i76e.0.0.input-29	
	15	hm2_7i76e.0.7i76e.0.0.input-30	
	16	hm2_7i76e.0.7i76e.0.0.input-31	
	17	hm2_7i76e.0.7i76e.0.0.output-08	Relais 1
	18	hm2_7i76e.0.7i76e.0.0.output-09	Relais 2
	19	hm2_7i76e.0.7i76e.0.0.output-10	Relais 3
	20	hm2_7i76e.0.7i76e.0.0.output-11	Relais 4
	21	hm2_7i76e.0.7i76e.0.0.output-12	Relais 5
	22	hm2_7i76e.0.7i76e.0.0.output-13	Relais 6
	23	hm2_7i76e.0.7i76e.0.0.output-14	Relais 7
	24	hm2_7i76e.0.7i76e.0.0.output-15	
TB6	1	hm2_7i76e.0.7i76e.0.0.analogin0	
	2	hm2_7i76e.0.7i76e.0.0.analogin1	
	3	hm2_7i76e.0.7i76e.0.0.analogin2	
	4	hm2_7i76e.0.7i76e.0.0.analogin3	Spindle NTC
	5	hm2_7i76e.0.7i76e.0.0.input-04	
	6	hm2_7i76e.0.7i76e.0.0.input-05	
	7	hm2_7i76e.0.7i76e.0.0.input-06	
	8	hm2_7i76e.0.7i76e.0.0.input-07	Pneumatic
	9	hm2_7i76e.0.7i76e.0.0.input-08	ATC released
	10	hm2_7i76e.0.7i76e.0.0.input-09	ATC locked
	11	hm2_7i76e.0.7i76e.0.0.input-10	Ref Z
	12	hm2_7i76e.0.7i76e.0.0.input-11	Ref Y
	13	hm2_7i76e.0.7i76e.0.0.input-12	Ref X
	14	hm2_7i76e.0.7i76e.0.0.input-13	Probe
	15	hm2_7i76e.0.7i76e.0.0.input-14	
	16	hm2_7i76e.0.7i76e.0.0.input-15	
	17	hm2_7i76e.0.7i76e.0.0.output-00	Relais 8
	18	hm2_7i76e.0.7i76e.0.0.output-01	Relais 9
	19	hm2_7i76e.0.7i76e.0.0.output-02	Relais 10
	20	hm2_7i76e.0.7i76e.0.0.output-03	Mist 1
	21	hm2_7i76e.0.7i76e.0.0.output-04	Mist 2
	22	hm2_7i76e.0.7i76e.0.0.output-05	
	23	hm2_7i76e.0.7i76e.0.0.output-06	
	24	hm2_7i76e.0.7i76e.0.0.output-07	

Klemmen		
1-8	L (ungeschaltet)	schwarz
1-8	N	blau
1-8	L (geschaltet)	braun
9-10	PE	gelb/grün
11	Brücke E-Stop	rot
12	Brücke 5V	orange
13	Brücke Bremse	grün
14	Brücke Lüfter	grün
15-24	24V GND	schwarz
25-32	24V	blau
33-34	48V GND	schwarz
35-36	48V	rot
37-38	5V Enable	orange

Relais	
1	Spindel Sperrluft
2	Spindel Kegelreinigung
3	Spindel Werkzeugwechsel
4	Werkzeugmagazin
5	Lüfter Spindelkühlung
6	Bremse Z-Achse
7	Enable X/Y/Z
8	Kühlmittelpumpe
9	Ausgang 3
10	Flood

Neutrik XLR



STEP X-Z		
1	U	schwarz
2	V	schwarz
3	W	schwarz

ENC X-Z		
1	Channel A+ output	braun
2	+5V power input	rot
3	GND	weiß
4	Channel A- output	orange
5	Channel B- output	schwarz
6	Channel B+ output	violett

REF X		
1	Ref X	grau
2	Lüfter	grün
3	+24V	blau
4	GND	schwarz

REF Y		
1	Ref Y	grau
2	Probe	grün
3	+24V	blau
4	GND	schwarz

REF Z		
1	Spindel NTC	rot
2	ATC released	weiß
3	ATC locked	gelb
4	Ref Z	grau
5	Bremse	grün
6	+24V	blau
7	GND	schwarz

PNEUMATIC		
1	Luftdruck	rot
2	+24V	blau
3	GND	schwarz

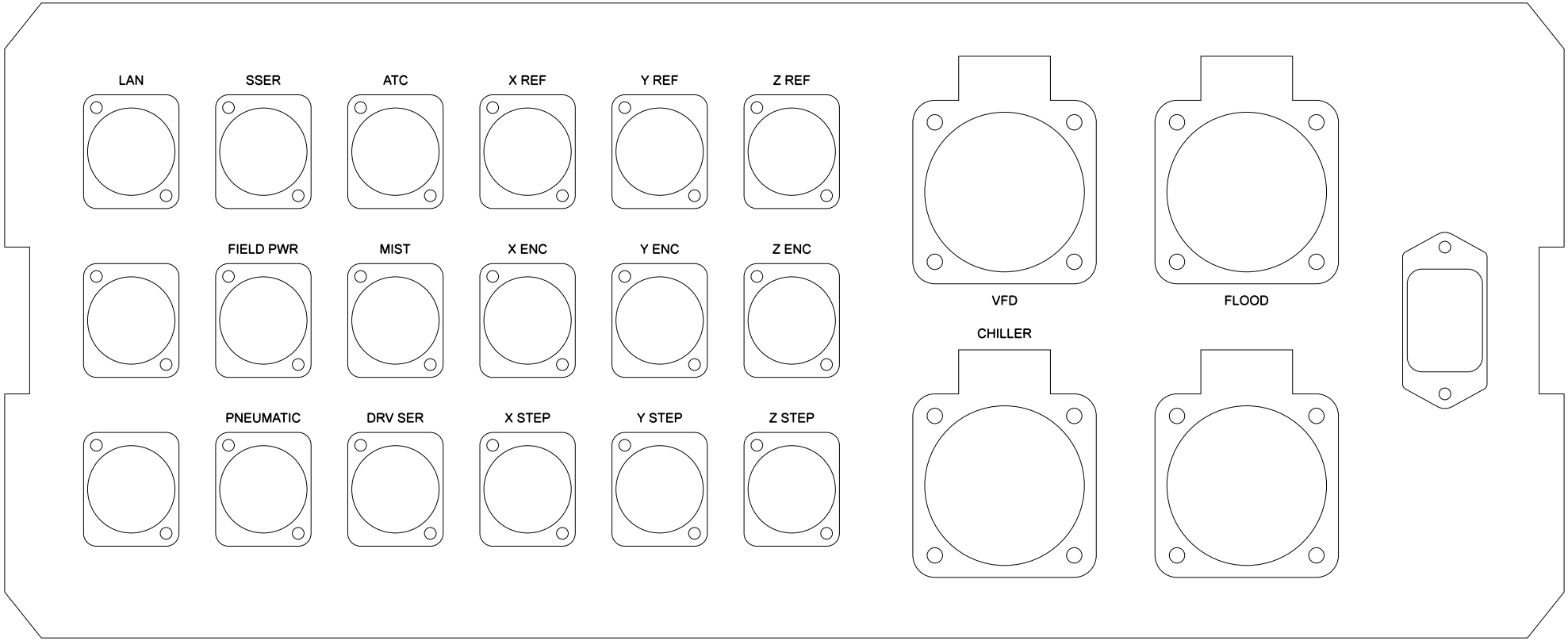
DRV SER		
1	TxD Z	braun
2	TxD Y	braun
3	TxD X	braun
4	RxD X	gelb
5	RxD Y	gelb
6	RxD Z	gelb
7	Common GND	schwarz

MIST		
1	Mist 2	grau
2	Mist 1	grün
3	+24V	blau
4	GND	schwarz

FIELD PWR		
1		
2	+5V Enable	orange
3	+24V	blau
4	GND	schwarz

ATC (RJ45)		
1	Sperrluft	orange/weiß
2	Kegelreinigung	orange
3	Magazin 0	grün/weiß
4	ATC release	blau
5	ATC lock	blau/weiß
6	Magazin 1	grün
7	GND	braun/weiß
8	GND	braun

SSER (RJ45)		
1	TX-	orange/weiß
2	TX+	orange
3	RX-	grün/weiß
4	GND	blau
5	GND	blau/weiß
6	RX+	grün
7	+5V	braun/weiß
8	+5V	braun


LAN
SSER
ATC
X REF
Y REF
Z REF
FIELD PWR
MIST
X ENC
Y ENC
Z ENC
PNEUMATIC
DRV SER
X STEP
Y STEP
Z STEP
VFD
FLOOD
CHILLER