Toolhead Connectors

MCU Connectors	Cable ID	Len (m)
Toolhead 1	1	1.7

Segments

1	1
	1

HE0	(Spare)	FH0	FH1	ME	
1	2	3	4	5	6
VIN	VIN	VIN	VIN	E1_A	E1_B
GND	GND	GND	GND	E2_A	E2_B
7	8	9	10	11	12

Toolhead 2 2 1.7

Component Pin Number Pin Name Pin Name Pin Number

TH0	ABL			
1	2 3 4			
AS	VIN	SRV	AS	
AS_GND	GND	AS_GND	Unused	
5	6	7	8	

I2C I2C 1.7

Component Pin Number Pin Name

I2C			
1	2	3	4
3.3V	GND	SDA	SCL

Rear Panel Connectors

Other Connectors	Cable ID	Len(m)	
Gantry Motion	3	1.35m	
Component			
Pin Number			
Pin Name			
Pin Name			4
Pin Number			

		Segments	
1.5m	1.5m		
SX	MX		
1	2	3	
AS	E1_A	E1_B	
AS_GND	E2_A	E2_B	
4	5	6	

Rear Motion	4	0.5m
Component		
Pin Number		
Pin Name		
Pin Name		

Pin Number

Pin Number

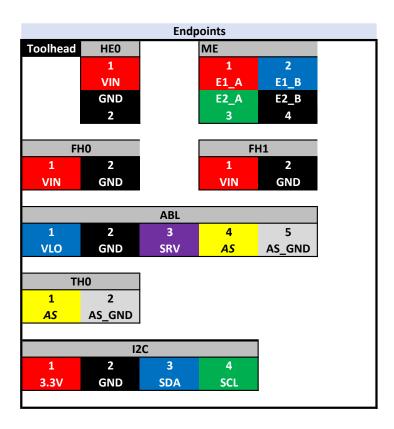
0.6m	1.5m	1.2m		0.9m		1.2m		
ТВ	SY	SZ	Z MY		SZ MY MZ		1Z	LC0
1	2	3	4	5	6	7	8	
AS	AS	AS	E1_A	E1_B	E1_A	E1_B	VIN	
AS_GND	AS_GND	AS_GND	E2_A	E2_B	E2_A	E2_B	GND	
9	10	11	12	13	14	15	16	

Other	5	0.5m
Component		
Pin Number		
Pin Name		
Pin Name		

0.9m	1.2m	
TC	FC0	FC1
1	2	3
AS	VIN	VIN
AS_GND	GND	GND
4	5	6

Pin Mapping				
Segment	Pin Name	In ID	In Pin	Out Pin
HE0	VIN	1	1	1
	GND	1	7	2
(Spare)	VIN	1	2	-
	GND	1	8	-
FH0	VIN	1	3	1
	GND	1	9	2
FH1	VIN	1	4	1
	GND	1	10	2
ME	E1_A	1	5	1
	E1_B	1	6	2
	E2_A	1	11	3
	E2_B	1	12	4
TH0	AS	2	1	1
	AS_GND	2	5	2
ABL	VIN	2	2	1
	GND	2	6	2
	SRV	2	3	3
	AS	2	4	4
	AS_GND	2	7	5

I2C	3.3V	I2C	1	1
	SCLK	I2C	2	2
	MOSI	I2C	3	3
	GND	I2C	4	4



Pin Mapping						
Segment	Pin Name	In ID	In Pin	Out Pin		
SX	AS	3	1	1		
	AS_GND	3	4	2		
MX	E1_A	3	2	1		
	E1_B	3	3	2		
	E2_A	3	5	3		
	E2_B	3	6	4		
ТВ	AS	4	1	1		
	AS_GND	4	9	2		
SY	AS	4	2	1		
	AS_GND	4	10	2		
SZ	AS	4	3	1		
	AS_GND	4	11	2		
MY	E1_A	4	4	1		
	E1_B	4	5	2		
	E2_A	4	12	3		
	E2_B	4	13	4		
	E1_A	4	6	1		
	E1_B	4	7	2		
	E2_A	4	14	3		
	E2_B	4	15	4		
LC0	VIN	4	8	1		
	GND	4	16	2		
TC	AS	5	1	1		
	AS_GND	5	5	2		
FC0	VIN	5	2	1		
	GND	5	6	2		
FC1	VIN	5	3	1		
	GND	5	6	2		

