HAS TELESCOPE CONTROLLER TERMINATION SCHEDULE

CORE	VOLTAGE	SOURCE	SOURCE DESCRIPTION	SRC TERM	CORE DESCRIPTION	FUSE/TERMINAL	ENDPOINT	ENDPT DESCRIPTION	END TERM	CABLE	
10	24VAC	T1	240/24V Transformer			ES01	ES01	Emergency Stop			
11	24VAC	ES01	Emergency Stop			SW01	SW01	Stepper Power Switch		PWR-01	
12	24VAC	SW01	Stepper Power Switch			F01	F01	Fuse Terminal 7.5A (DEC)			
12	24VAC	SW01	Stepper Power Switch			F02	F02	Fuse Terminal 7.5A (RA)			
13	24VAC	F01	Fuse Terminal 7.5A (DEC)			F01	DMA01	Stepper Drive (DEC)			
14	24VAC	F02	Fuse Terminal 7.5A (RA)			F02	DMA02	Stepper Drive (RA)			
20	24VAC	T1	240/24V Transformer			X01-X02	X01-X02	24V Neutral	X01-X02	PWR-01	
30	24VAC	DMA01	Stepper Drive (DEC)	A+		X03	STP01	ZETA83-135 Stepper (DEC)	A+	STP-01	
31	24VAC	DMA01	Stepper Drive (DEC)	A-		X04	STP01	ZETA83-135 Stepper (DEC)	A-	STP-01	
32	24VAC	DMA01	Stepper Drive (DEC)	B+		X05	STP01	ZETA83-135 Stepper (DEC)	B+	STP-01	
33	24VAC	DMA01	Stepper Drive (DEC)	B-		X06	STP01	ZETA83-135 Stepper (DEC)	B-	STP-01	
34	24VAC	DMA02	Stepper Drive (RA)	A+		X07	STP02	ZX106-178 Stepper (RA)	A+	STP-02	
35	24VAC	DMA02	Stepper Drive (RA)	A-		X08	STP02	ZX106-178 Stepper (RA)	A-	STP-02	
36	24VAC	DMA02	Stepper Drive (RA)	B+		X09	STP02	ZX106-178 Stepper (RA)	B+	STP-02	
37	24VAC	DMA02	Stepper Drive (RA)	B-		X10	STP02	ZX106-178 Stepper (RA)	B-	STP-02	
100	5VDC	PSU01	5VDC Power Supply				ES01	Emergency Stop	PSU01	PWR-02	
101	5VDC	ES01	Emergency Stop			F03	F03	Fuse Terminal 5A	F03		
101	5VDC	ES01	Emergency Stop			F04	F04	Fuse Terminal 5A	F04		
102	5VDC	F03	Fuse Terminal 5A			X11-X13	X11-X13	5VDC Power	X11-X13		
103	5VDC	F04	Fuse Terminal 5A					Spare			
200	5VDC	PSU01	5VDC Power Supply			X14-X21	X14-X21	0VDC Gnd	X14-X21	PWR-02	
319	5VDC	ARD01	Arduino Mega 2560	2	DI_RA_ENC_A	X22	ENC-02	RA Encoder A	A	ENC-02	🟦
320	5VDC	ARD01	Arduino Mega 2560	3	DI_DEC_ENC_A	X23	ENC-01	DEC Encoder A	A	ENC-01	🟦
302	5VDC	ARD01	Arduino Mega 2560	4	DO_DEC_STP_DIR	X24	DMA01	DEC Stepper Drive Direction	DIR+		🟥
303	5VDC	ARD01	Arduino Mega 2560	5	PWM_DEC_STP_PUL	X25	DMA01	DEC Stepper Drive Pulse	PUL+		🟥
304	5VDC	ARD01	Arduino Mega 2560	6	PWM_RA_STP_PUL	X26	DMA02	RA Stepper Drive Pulse	DIR+		🟥
305	5VDC	ARD01	Arduino Mega 2560	7	DO_RA_STP_DIR	X27	DMA02	RA Stepper Drive Direction	PUL+		🟥
306	5VDC	ARD01	Arduino Mega 2560	8	DI_RA_LIM_IDX	X28	IDX01	RA Index Switch		IDX-01	🟩
307	5VDC	ARD01	Arduino Mega 2560	9	PWM_BZR	X29	BZR01	Buzzer			🟩
308	5VDC	ARD01	Arduino Mega 2560	11	DO_LCD_E	X30	HHC01	LCD Enable	E	CTRL-02	🟨
309	5VDC	ARD01	Arduino Mega 2560	12	DO_LCD_RS	X31	HHC01	LCD RS	RS	CTRL-01	🟨
310	5VDC	ARD01	Arduino Mega 2560	18	DO_LCD_D4	X32	HHC01	LCD Data 4	D4	CTRL-00	🟨
311	5VDC	ARD01	Arduino Mega 2560	19	DO_LCD_D5	X33	HHC01	LCD Data 5	D5	CTRL-01	🟨
312	5VDC	ARD01	Arduino Mega 2560	20	DO_LCD_D6	X34	HHC01	LCD Data 6	D6	CTRL-01	🟨
313	5VDC	ARD01	Arduino Mega 2560	21	DO_LCD_D7	X35	HHC01	LCD Data 7	D7	CTRL-01	🟨
314	5VDC	ARD01	Arduino Mega 2560	A6	DI_MUX_SIG	X36	HHC01	Multiplexer Signal	X	CTRL-01	🟨

315	5VDC	ARD01	Arduino Mega 2560	A7	DO_MUX_ADDR_A	X37	HHC01	Multiplexer Address A	A	CTRL-01	
316	5VDC	ARD01	Arduino Mega 2560	A8	DO_MUX_ADDR_B	X38	HHC01	Multiplexer Address B	B	CTRL-01	
317	5VDC	ARD01	Arduino Mega 2560	A9	DO_MUX_ADDR_C	X39	HHC01	Multiplexer Address C	C	CTRL-01	
318	5VDC	ARD01	Arduino Mega 2560	A10	AI_POT_SPEED	X40	HHC01		SPEED	CTRL-01	
300	5VDC	ARD01	Arduino Mega 2560	A11	DI_DEC_LIM_HI	X41	LIM02	DEC Lower Limit	LIM01	LIM-02	
320	5VDC	ARD01	Arduino Mega 2560	A12	DI_RA_ENC_B	X42	ENC02	RA Encoder B	B	ENC-02	
301	5VDC	ARD01	Arduino Mega 2560	A13	DI_DEC_LIM_LO		LIM01	DEC Upper Limit	LIM02	LIM-01	
321	5VDC	ARD01	Arduino Mega 2560	A14	DI_DEC_ENC_B		ENC01	DEC Encoder B	B	ENC-01	