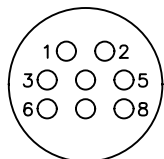


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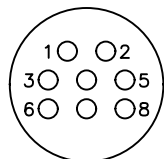
PIN	SIGNAL	COLOR
1	GND	RED
2	SIGNAL	BLK
3	-	-
4	-	-
5	-	WHT
6	CW LIMIT	BLK
7	GND	GRN
8	CCW LIMIT	BLK



AMP CPC CONNECTOR
SERIES 2
ARRANGEMENT 11-8
BELDEN 9745

DC MOTOR
(UNUSED)

PIN	SIGNAL
1	MOTOR +
2	MOTOR -
3	MOTOR +
4	-
5	MOTOR -
6	CW LIMIT
7	GND
8	CCW LIMIT



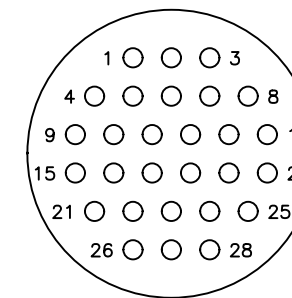
AMP CPC CONNECTOR
SERIES 2
ARRANGEMENT 11-8

STEPPER STAGE

PIN	SIGNAL	COLOR	PAIRS	PIN	SIGNAL	COLOR	PAIRS
1	MOTOR PHASE 1	WHT	[Diagram showing pairs 1-2, 3-4, 5-6, 7-8]	15	ENCODER POWER	YEL	[Diagram showing pairs 15-16, 17-18, 19-20, 21-22]
2	MOTOR PHASE 2	BLK					
3	MOTOR PHASE 3	BLU					
4	MOTOR PHASE 4	BLK					
5	MOTOR PHASE 1	BLK	[Diagram showing pairs 1-2, 3-4, 5-6, 7-8]	16	GND	BLK	[Diagram showing pairs 15-16, 17-18, 19-20, 21-22]
6	MOTOR PHASE 2	RED					
7	MOTOR PHASE 3	BLK					
8	MOTOR PHASE 4	GRN					
9	CCW LIMIT	BRN	[Diagram showing pairs 9-10, 11-12, 13-14]	17	ENCODER A+	RED	[Diagram showing pairs 15-16, 17-18, 19-20, 21-22]
10	CW LIMIT	BLK					
11	GND	ORN					
12	FIDUCIAL POWER	BLK					
13	FIDUCIAL ENABLE	RED	[Diagram showing pairs 9-10, 11-12, 13-14]	18	ENCODER A- (MAN FWD)	BLK	[Diagram showing pairs 15-16, 17-18, 19-20, 21-22]
14	FIDUCIAL	WHT					
				19	ENCODER B+	RED	
				20	ENCODER B- (MAN REV)	GRN	
				21	ENCODER INDEX+	BLU	
				22	ENCODER INDEX -	BLK	
				23	GND	WHT	
				24	BRAKE POWER (+24V)	BLK	
				25	BRAKE POWER RETURN	BLU	
				26	GND	GRN	
				27	BRAKE OFF SWITCH	BLK	
				28	GND	RED	

NOTES: EACH STAGE CABLE IS MADE UP OF TWO SHIELDED CABLES. ONE FOR THE MOTOR DRIVE SIGNALS AND THE OTHER FOR THE NORMAL STAGE RELATED SIGNALS.

PINS 18 & 20 (ENCODER A- & B-) ARE USED TO ROUTE THE MANUAL FWD & REV SWITCHES ON THE GRATING SELECT STAGE AND THE GRISM SLIDE STAGE.



AMP CPC CONNECTOR
SERIES 2
ARRANGEMENT 17-28

06-22-06 REVISION B, TRANSLATED TO NEW PCAD VERSION

B

REVISIONS

- 04-17-08 ADDED CABLE CONDUCTOR COLORS TO STAGE CABLE TABLE
- 01-14-09 ADDED PAIRS INFO TO TABLE
- 01-29-09 ADDED DICHROIC CABLE INFO

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		DC MOTOR & STAGE CABLE PIN ASSIGNMENTS KAST SPECTROGRAPH	
DES'N BY: B. Alcott	ORIGIN DATE: 06-08-06	DWG. NO.	NUM. 1 OF 5
Last SN	MODIFY DATE: 01-29-09	EL-3709	REV. B
PRINT TIME: 08:37:45	PRINT DATE: Thu Jan 29, 2009		
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