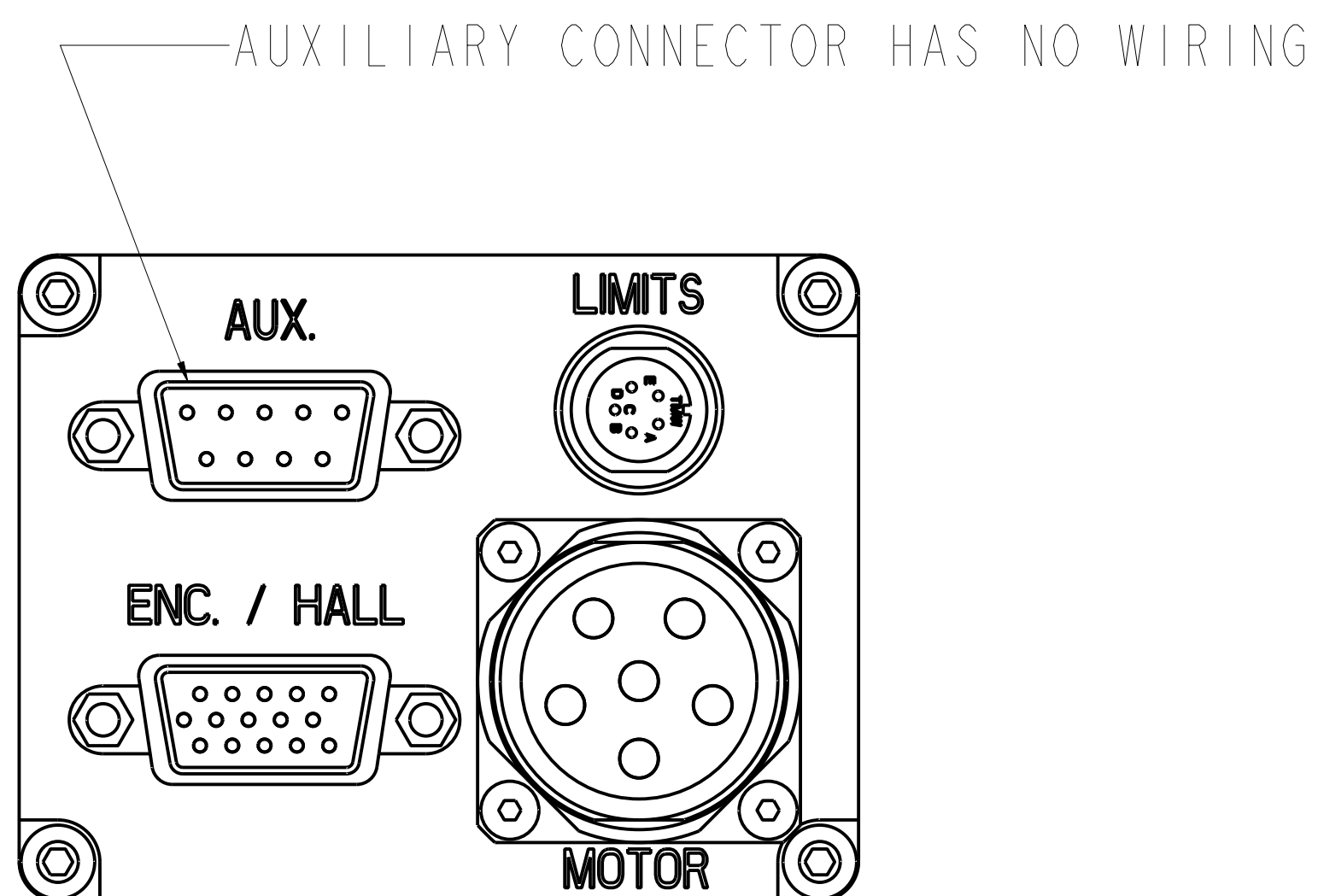


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	INITIAL RELEASE	~	~
2	EC07912 CHG ENC & HALL WIRES REMOVE OTHER LIMIT WIRING	05/03/07	RWA
3	EC08366 CHG ENCODER WIRING	11/16/07	RWA
4	EC08391 REM BID/TID TABLES ADD FDBK NOTE 2, ORG NOTES	12/11/07	RWA
5	EC08564 ADD TABLES	06/23/08	RWA

SIKO ENCODER - THF08E CABLE				
ENCODER/HALL CONNECTOR				
PIN	LME/PLME	MOTOR	MHED HEAD	FUNCTION
1	BROWN			ENC + 5 VDC
2	RED			A+
3	BLUE			A-
4	YELLOW			B+
5	GREEN			B-
6	BLACK			C+
7	ORANGE			C-
8	WHITE			ENCODER GND
9			BLACK	HED +5 VDC
10			YELLOW	HED A
11			BLUE	HED B
12			GREEN	HED C
13		YELLOW		TEMP +
14		ORANGE		TEMP -
15			WHITE	HED GROUND

ALL TRILOGY POSITIONERS				
RENISHAW ENCODER - RENISHAW CABLE				
ENCODER/HALL CONNECTOR				
PIN	RGH SERIES	MOTOR	MHED HEAD	FUNCTION
1	BROWN			ENC + 5 VDC
2	RED			A+
3	BLUE			A-
4	YELLOW			B+
5	GREEN			B-
6	PINK			C+
7	GREY			C-
8	WHITE			ENCODER GND
9			BLACK	HED +5 VDC
10			YELLOW	HED A
11			BLUE	HED B
12			GREEN	HED C
13		YELLOW		TEMP +
14		ORANGE		TEMP -
15			WHITE	HED GROUND



GENERAL NOTES:

- 1) CAPTURE ALL CABLE SHIELDS IN THE CABLE CLAMP
- 2) STRIP THE CABLE JACKET 360° IN THE CLAMP AREA
- 3) COVER ALL UNUSED WIRES WITH HEATSHRINK
- 4) COVER ALL CABLE ENDS WITH HEATSHRINK
- 5) COVER ALL SOLDER JOINTS WITH HEATSHRINK

NPN SINKING LIMITS AND HOME		
PIN	MHED HEAD	FUNCTION
A	ORANGE	+5 TO +24 VDC
B	LT. BLUE	NEGATIVE LIMIT
C	LT. GREEN	POSITIVE LIMIT
D	BROWN	HOME
E	VIOLET	GROUND

NPN LIMIT WIRING NOTES:

- 1) PUT A SINGLE PIECE OF HEATSHRINK OVER THE END OF EACH OF THE FOLLOWING WIRES: PINK, GREY, RED, AND TAN. DO NOT ALLOW THE WIRES TO SHORT TO EACH OTHER OR THE SHIELD.

PNP SOURCING LIMITS AND HOME		
PIN	MHED HEAD	FUNCTION
A*	ORANGE	+5 TO +24 VDC
A*	PINK	NEGATIVE LIMIT SOURCE POWER
A*	GREY	POSITIVE LIMIT SOURCE POWER
A*	RED	HOME SOURCE POWER
B	LT. BLUE	NEGATIVE LIMIT
C	LT. GREEN	POSITIVE LIMIT
D	BROWN	HOME
E	VIOLET	GROUND

PNP LIMIT WIRING NOTES:

- 1) * - SOLDER THE 4 WIRES GOING TO PIN A TO 1 PIECE OF 24 AWG RED WIRE. COVER THE SOLDER JOINT WITH HEATSHRINK THEN SOLDER THE RED WIRE TO PIN A.
- 2) PUT HEATSHRINK OVER THE END OF THE TAN WIRE.
- 3) TO CHANGE LIMIT/HOME POLARITY - CONNECT TAN WIRE TO PIN E (GROUND). THIS CHANGE THE POLARITY ON ALL 3 SENSORS.

NOTE: STANDARD LIMIT WIRING

FEEDBACK WIRING NOTES:

- 1) R SERIES TEMPERATURE WIRES ARE AS FOLLOWS:

GREY - TEMP +
VIOLET - TEMP -

- 2) 210/310 SERIES MOTOR WITH WD7 INTERNAL HALLS WITH SEPARATE THF06 CABLE COLOR CODE:

HED +5 - BLACK
HED A - BROWN
HED B - BLUE
HED C - GREEN
HED GND - WHITE
TEMP + - YELLOW
TEMP - - ORANGE
CUT OUT THE RED WIRE

110/210/310 SERIES MOTOR			
PIN	MOTOR	GND CABLE	FUNCTION
1	RED		U
1	BLUE		U
2	WHITE		V
2	GREEN		V
3		GREEN/YELLOW	GND
4			NC
5			NC
6	BLACK		W
6	BROWN		W

110/210/310 SERIES MOTOR WITH INTERNAL GROUND WIRE		
PIN	MOTOR	FUNCTION
1	RED/YELLOW	U
1	BLUE/YELLOW	U
2	WHITE/YELLOW	V
2	VIOLET/YELLOW	V
3	GREEN/YELLOW	GND
4		NC
5		NC
6	BLACK/YELLOW	W
6	BROWN/YELLOW	W

410 SERIES/ R SERIES MOTOR			
PIN	MOTOR	GND CABLE	FUNCTION
1	RED		U
2	BROWN		V
3		GREEN/YELLOW	GND
4			NC
5			NC
6	ORANGE		W

410 SERIES/ R SERIES MOTOR WITH INTERNAL GROUND WIRE		
PIN	MOTOR	FUNCTION
1	RED/YELLOW	U
2	BROWN/YELLOW	V
3	GREEN/YELLOW	GND
4		NC
5		NC
6	ORANGE/YELLOW	W

IMPERIAL UNITS <small>ALL DIMENSIONS ARE IN INCHES (UNLESS OTHERWISE SPECIFIED)</small> ALL THREADS TO BE UNC-2A or 2B (COARSE) UNF-2A or 2B (FINE) REFERENCE DRAWINGS ASSY NSP/DWG NO.: SALES ORDER No.: FILE NAME: 006-2233 MADE FROM (FILE): ~	PROPRIETARY INFORMATION PARKER HANWIFIN CORPORATION <small>STANDARD TOLERANCES, UNLESS OTHERWISE SPECIFIED</small> DECIMALS .xx ± .02 .xxx ± .005 .xxxx ± .0005 RMS FINISH $\sqrt{32}$ ANGLES $\pm 0^\circ 30'$ (0.50°)	IMPORTANT ACCEPTANCE REQUIREMENT: <small>THE COMPONENT AND SYSTEM RECOMMENDATIONS STATED OR SHOWN HERE ARE BASED ON DATA AND SPECIFICATIONS SUPPLIED TO PARKER BY THE POTENTIAL USER. FINAL ACCEPTANCE AND APPROVAL OF THE INDIVIDUAL COMPONENTS AS WELL AS THE SYSTEM MUST BE MADE BY THE USER AFTER TESTING THEIR PERFORMANCE AND ENDURANCE IN THE ENTIRE APPLICATION, UNDER ALL CONDITIONS WHICH MIGHT BE ENCOUNTERED. THE USER MUST ALSO INSTALL SAFETY DEVICES, IF ANY, REQUIRED FOR GENERAL SAFETY OR BY U.S. H.A. OR OTHER GOVERNMENT SAFETY REGULATIONS.</small>	DAEDAL Division Manual & Motorized Positioning Systems