

Project	HTG - DomiWorks 8HP Harness
Customer	DomiWorks Engineering AB
P/N	DOMI8HP-HTG.001
Notes	Production
Date	



GCU						
Location	Pin Designation	Function	Destination	Wire Colour	Ident	
A1	AN_Out1	Spares Expansion	EXP - Pin 5	White		N/A
A2	AN_Out2	Spares Expansion	EXP - Pin 6	White		N/A
A3	Freq_In1	8HP	8HP - Pin 10	White		N/A
A4	Freq_In2	8HP	8HP - Pin 8	White		N/A
B1	AN_Out3	N/A	N/A	N/A	N/A	N/A
B2	AN_Out4	N/A	N/A	N/A	N/A	N/A
B3	Freq_In3	N/A	N/A	N/A	N/A	N/A
B4	Freq_In4	N/A	N/A	N/A	N/A	N/A
C1	AN_in1	8HP	8HP - Pin 3	White		N/A
C2	AN_in2	8HP	8HP - Pin 4	White		N/A
C3	AN_in3	Paddle Expansion	PADEXP - Pin 3	White		N/A
C4	AN_in4	Paddle Expansion	PADEXP - Pin 4	White		N/A
D1	AN_in5	N/A	N/A	N/A	N/A	N/A
D2	AN_in6	N/A	N/A	N/A	N/A	N/A
D3	AN_in7	N/A	N/A	N/A	N/A	N/A
D4	AN_in8	N/A	N/A	N/A	N/A	N/A
E1	AN_in9	N/A	N/A	N/A	N/A	N/A
E2	AN_in10	N/A	N/A	N/A	N/A	N/A
E3	AN_in11	Spares Expansion	EXP - Pin 7	White		N/A
E4	AN_in12	Spares Expansion	EXP - Pin 8	White		N/A
F1	Dig_in1	Paddle Expansion	PADEXP - Pin 1	White		N/A
F2	Dig_in2	Paddle Expansion	PADEXP - Pin 2	White		N/A
F3	Dig_in3	Spares Expansion	EXP - Pin 9	White		N/A
F4	Dig_in4	Spares Expansion	EXP - Pin 10	White		N/A
G1	CAN1 High	BUS 1	B1EXP - Pin 3	White	N/A	N/A
G2	CAN1 Low	BUS 1	B1EXP - Pin 4	Blue	N/A	N/A
G3	CAN2 High	BUS 2	B2EXP - Pin 3	Red	N/A	N/A
G4	CAN2 Low	BUS 2	B2EXP - Pin 4	Blue	N/A	N/A
H1	PWR_Out1	8HP	8HP - Pin 11	White		N/A
H2	PWR_Out2	8HP	8HP - Pin 16	White		N/A
H3	PWR_Out3	8HP	8HP - Pin 7	White		N/A
H4	PWR_Out4	8HP	8HP - Pin 15	White		N/A
J1	PWR_Out5	8HP	8HP - Pin 9	White		N/A
J2	PWR_Out6	8HP	8HP - Pin 12	White		N/A
J3	PWR_Out7	8HP	8HP - Pin 2	White		N/A
J4	PWR_Out8	8HP	8HP - Pin 6	White		N/A
K1	PWR_Out9	8HP	8HP - Pin 5	White		N/A
K2	PWR_Out10	N/A	N/A	N/A	N/A	N/A
K3	PWR_Out11	Spares Expansion	EXP - Pin 11	White		N/A
K4	PWR_Out12	Spares Expansion	EXP - Pin 12	White		N/A
L1	12v+ IGN	12v+ IGN	PC1 - Pin 4	Red		N/A
L2	S/GND	8HP Connector S/GND	8HP - Pin 14	Grey	N/A	N/A
L3	P/GND	GND	GND Ring Terminal	White		N/A
L4	P/GND	GND	GND Ring Terminal	White		N/A
M1	5v+	8HP Connector 5v+	8HP - Pin 1	Orange	N/A	N/A
M2	12v+ Out	Paddle Expansion	PADEXP - Pin 6	Red		N/A
M3	12v+ Batt	12v+ Batt	PC1 - Pin 1	White		N/A
M4	12v+ Batt	12v+ Batt	PC1 - Pin 2	White		N/A

Breakout 1

8HP Gearbox						
Location	Pin Designation	Function	Destination	Wire Colour	Ident	
1	8HP	PWR_Out7	GCU - Pin M1	Orange		N/A
2	8HP	AN_in1	GCU - Pin C1	White		N/A
3	8HP	AN_in2	GCU - Pin C2	White		N/A
4	8HP	PWR_Out8	GCU - Pin K1	White		N/A
5	8HP	PWR_Out8	GCU - Pin J4	White		N/A
6	8HP	PWR_Out8	GCU - Pin J4	White		N/A
7	8HP	PWR_Out8	GCU - Pin H3	White		N/A
8	8HP	Freq_in2	GCU - Pin A4	White		N/A
9	8HP	PWR_Out5	GCU - Pin J1	White		N/A
10	8HP	Freq_in1	GCU - Pin A3	White		N/A
11	8HP	PWR_Out1	GCU - Pin H1	White		N/A
12	8HP	PWR_Out6	GCU - Pin J2	White		N/A
13	8HP	12v+	PC1 - Pin 3	White		N/A
14	8HP	S/GND	GCU - Pin L2	Grey		N/A
15	8HP	PWR_Out4	GCU - Pin H4	White		N/A
16	8HP	PWR_Out2	GCU - Pin H2	White		N/A

Paddle Expansion						
Location	Pin Designation	Function	Destination	Wire Colour	Ident	
1	PADEXP	Up (Digital)	GCU - Pin F1	White		N/A
2	PADEXP	Down (Digital)	GCU - Pin F2	White		N/A
3	PADEXP	Up (Analog)	GCU - Pin C3	White		N/A
4	PADEXP	Down (Analog)	GCU - Pin C4	White		N/A
5	PADEXP	5v+	GCU - Pin M1	Orange		N/A
6	PADEXP	12v+ Out	GCU - Pin M2	Red		N/A
7	PADEXP	GND	GCU - Pin L2	Grey		N/A
8	PADEXP	N/A	N/A	N/A	N/A	N/A

BUS 1 Expansion						
Location	Pin Designation	Function	Destination	Wire Colour	Ident	
1	B1EXP	12v+	PC1 - Pin 4	Red		N/A
2	B1EXP	GND	GND Ring Terminal	Black		N/A
3	B1EXP	CAN High	BUS 1	White	N/A	N/A
4	B1EXP	CAN Low	BUS 1	Blue	N/A	N/A

BUS 2 Expansion						
Location	Pin Designation	Function	Destination	Wire Colour	Ident	
1	B2EXP	12v+	PC1 - Pin 4	Red		N/A
2	B2EXP	GND	GND Ring Terminal	Black		N/A
3	B2EXP	CAN High	BUS 2	Red	N/A	N/A
4	B2EXP	CAN Low	BUS 2	Blue	N/A	N/A

Expansion						
Location	Pin Designation	Function	Destination	Wire Colour	Ident	
1	EXP	12v+	PC1 - Pin 4	Red		N/A
2	EXP	GND	GND Ring Terminal	Black		N/A
3	EXP	5v+	GCU - Pin M1	Orange		N/A
4	EXP	S/GND	GCU - Pin L2	Grey		N/A
5	EXP	AN_Out1	GCU - Pin A1	White		N/A
6	EXP	AN_Out2	GCU - Pin A2	White		N/A
7	EXP	AN_in11	GCU - Pin E3	White		N/A
8	EXP	AN_in12	GCU - Pin E4	White		N/A
9	EXP	Dig_In3	GCU - Pin F3	White		N/A
10	EXP	Dig_In4	GCU - Pin F4	White		N/A
11	EXP	PWR_Out11	GCU - Pin K3	White		N/A
12	EXP	PWR_Out12	GCU - Pin K4	White		N/A

GND						
Location	Pin Designation	Function	Destination	Wire Colour	Ident	
1	GND	GCU P/GND	GCU - Pin L3	Black		N/A
2	GND	GCU P/GND	GCU - Pin L4	Black		N/A
3	GND	EXP P/GND	EXP - Pin 2	Black		N/A
4	GND	B1EXP P/GND	B1EXP - Pin 2	Black		N/A
5	GND	B2EXP P/GND	B2EXP - Pin 2	Black		N/A

Power Connector (PC1)						
Location	Pin Designation	Function	Destination	Wire Colour	Ident	
1	Batt 12v+	GCU Batt 12v+	GCU - M3	White		N/A
2	Batt 12v+	GCU Batt 12v+	GCU - M4	White		N/A
3	Batt 12v+	8HP Batt 12v+	8HP - Pin 13	White		N/A
4	Ign 12v+	GCU Ign 12v+	GCU - Pin L1	Red		N/A