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REV.	DESCRIPTION	BY	DATE

WHERE USED: No.	TOLERANCES UNLESS OTHERWISE STATED	MATERIAL DESCRIPTION
	DECIMALS: XX ±.03 XXX ±.015	PARTS MUST BE FREE OF BURRS
	MACHINING: XX ±.03 XXX ±.005	BREAK SHARP EDGES
	1 PLACE XX.XmA ± .03	
	2 PLACE XX.XXmA ± .015	
	3 PLACE XX.XXXmA ± .005	

⊥ PERPENDICULARITY	⌀ DIAMETER		
⌖ POSITION	( ) REFERENCE		
⏥ CYLINDRICITY	— STRAIGHTNESS		
▱ FLATNESS	⌒ RUNOUT		
// PARALLELISM	∠ ANGULARITY		
○ ROUNDNESS			
⌭ CONCENTRICITY			

TITLE: ELECTRICAL SCHEMATIC			
DRAWN BY: JBH	SHEET: 9 OF 9	PJW VIT.	
DATE: 01/30/06	SCALE: NONE		
			D

TimberPro, Inc.
1407 INDUSTRIAL DRIVE
SHAWANO, WISCONSIN 54166

IOAN XP2 Mod - 830,840,860

IOAN XT2-AO MODULE #6

CONN 6 C1

VOLTAGE IN G
VOLTAGE IN F
VOLTAGE IN D
VOLTAGE IN H
VOLTAGE IN C
VOLTAGE IN B
VOLTAGE IN E
VOLTAGE IN J
VOLTAGE IN I
–V REF
+V REF
–BAT
+BAT

VOLTAGE INPUT A/EGAS SIGNAL
–V REF – EGAS
+V REF – EGAS
PWM OUT A
PWM OUT C
PWM OUT C
PWM OUT B
PWM OUT B
CURRENT OUT A RET+
CURRENT OUT A
CURRENT OUT A RET–
CURRENT OUT B RET+
CURRENT OUT B
CURRENT OUT B RET–
E–GAS OUT A
E–GAS OUT A
ADDRESS H
ADDRESS L
CAN 2–H
CAN 2–L
CAN–H
CAN–L
CAN–H
CAN–L

TRAVEL PEDAL

CONN9 6–POS
HOUSING
PCB
5V SUPPLY (RED)
ANALOG OUTPUT (YELLOW)
LIMIT SUPPLY (YELLOW)
FORWARD (BLUE)
BACKWARD (GREEN)
GROUND (BLACK)

BRAKE PEDAL CONN 10 10–POS

PPS1 1.7KΩ 332Ω
PPS2 450Ω 332Ω

COVER LIMIT SWITCH
CONN47

CONN21 31–POS CONTINUED FROM PG 6
CONN2 CONTINUED ON PG 9

CONN15 4–POS

FIRE SUPP. SYS
SPARE INPUT 3
SPARE INPUT 2

TAG 0 181Ω

CONN1 31–POS CONTINUED FROM PG 6
CONN20 31–POS CONTINUED FROM PG 6

GRAPPLE ROTATE POS
GRAPPLE ROTATE NEG
GRAPPLE OPEN/CLOSE
GRAPPLE OPEN/CLOSE

CONN38 COIL A
CONN39 COIL B
CONN40 COIL A
CONN41 COIL B

(OPTIONAL) ENG HP PWM SIG
CONN8 21–POS CONTINUED FROM PG 7

J1939 HIGH (+)
J1939 LOW (–)
SHIELD
WIRE END FOLDED OVER IN HARNESS
NO CONNECTION
ELECTRICAL PANEL
J1938 HIGH (+)
J1939 LOW (–)

CONN42 SPARE 1 WIRE ENDS SHRINK WRAPPED COIL A
CONN43 SPARE 1 WIRE ENDS SHRINK WRAPPED COIL A

CONN22 HYDRO PUMP COIL A
CONN23 HYDRO PUMP COIL A

CONN45 SPARE 2 WIRE ENDS SHRINK WRAPPED COIL B
CONN44 SPARE 2 WIRE ENDS SHRINK WRAPPED COIL A

CONN50 SPARE INPUT SHRINK WRAPPED WIRE ENDS

CONN2 CONN21 31–POS CONTINUED FROM PG 6