

2
D01. DIGI STILL CAM STROBE
D02. PILOT CAM
D03. MOISTURE
D04. SPARE
D05. SPARE
D06. SPARE
D07. SPARE
D08. SPARE

3

D01. HDTV
D02. DIGI STILL CAM1

4

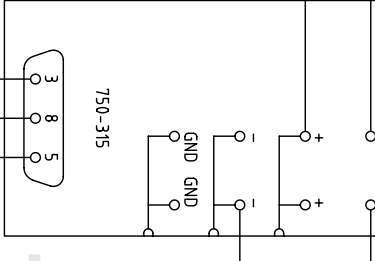
D01. INT P & T CAM
D02. UMB CAM

5

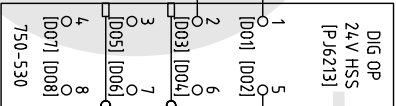
CAD

A
(SEE NOTE 6)

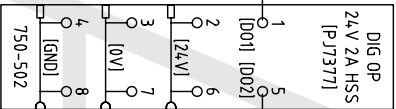
WAGO
COUPLER
RS485
[PG194]



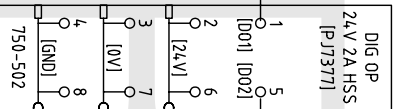
SLOT 1



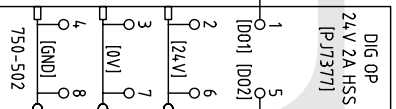
SLOT 2



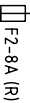
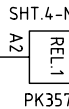
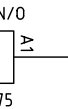
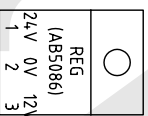
SLOT 3



SLOT 4



(ISOLATE FROM
MOUNTING PLATE)



+24V REG SHT 5 _E1

+24V UNREG SHT 5 _C1

J2-SIGNAL PIN 19,20 SHT 4

0V UNREG

J2-POWER PIN 4 SHT 5

0V REG

J2-POWER PIN 2 SHT 5

0V

SHT 5-D1

MOISTURE SENSOR +24V

SHT 2

PILOT CAM

0V SHT 4-B2

PILOT CAM

J2-2 PIN 5

+12V SHT 5

PILOT CAM

J2-2 PIN 1

+12V SHT 5

HDTV

SHT 5

J2-1 PIN 1

DIGI STILL CAM

SHT 6

J2-3 PIN 1

INT P & T CAM

SHT

J2-5 PIN 5

UMB CAM

SHT 5-

J2-10 PIN 5

AUX CAM 1

SHT 5-

J2-11 PIN 5

AUX CAM 2

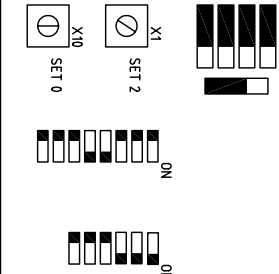
SHT 5-

J2-12 PIN 5

NOTES:

1. ENSURE FACEPLATE IS ATTACHED TO HOUSING BEFORE JB IS COMMISSIONED
2. ALL CABLES TO BE IN ACCORDANCE WITH SMD DRG.No.PD0739 (LATEST ISSUE No)
3. FUSES F1-F23 ARE SELF RESETTING TYPE.
4. WIRE NUMBERS ALLOCATED TO THIS DRG. ARE 650 TO 723, LAST WIRE NUMBER USED 723
5. WIRE NUMBERS OTHER THAN ABOVE ARE DERIVED FROM OTHER SHEETS.
5. PAIR CABLE NUMBERS USED ON THIS DRG. ARE P TO P

6. WAGO COUPLER CONFIGURED AS BELOW
ADDRESS = 3, BAUD RATE 19,200



NO.	DATE	CHANGE	ZONE	DRAWN	CHECK
-----	------	--------	------	-------	-------

MATERIAL		DIMENSIONS		SCALE		PROJECTION 3RD
DESIGNED	DRAWN	TOLERANCES UNLESS OTHERWISE STATED				
C.L.T	C.L.T	UP TO 100	100 TO 300	300 TO 1000	OVER 1000	
DATE	CHECKED	FABRICATION	MACHINED PART	± 0.15	± 0.4	± 0.8 ± 1.0

TITLE

JUNCTION BOX 2 - MBARI

DO NOT SCALE

DRAWING NO.
AB5966

SHEET 1 OF 6

ISSUE NO.
0

ALL INTELLECTUAL PROPERTY RIGHTS SUBSTING IN THESE DESIGNS ARE THE PROPERTY OF SOIL MACHINE DYNAMICS LTD. NO COPY IS TO BE MADE WITHOUT THE WRITTEN PERMISSION OF SOIL MACHINE DYNAMICS LTD. ANY PATENT APPLICATIONS, PATENTS AND/OR DESIGN APPLICATIONS, REGISTERED DESIGNS, DESIGN RIGHTS OR COPYRIGHT ARISING FROM OR CONTAINED IN THE DESIGNS ARE THE PROPERTY OF SOIL MACHINE DYNAMICS LTD AND ALL INFORMATION MUST BE HELD IN THE STRICTEST CONFIDENCE.

SMD Hydrovision

DD1: AUX CAM 3
DD2: AUX CAM 4

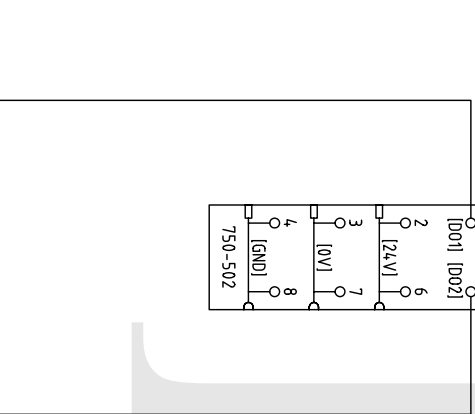
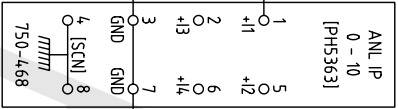
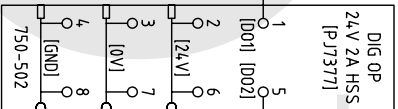
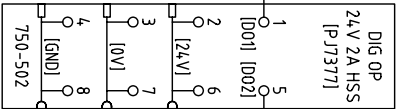
DD1: SPARE 1
DD2: SPARE 2

A11: JB MOISTURE
A12: SPARE
A13: SPARE
A14: SPARE

SLOT 5

SLOT 5

SLOT 6



SHT 5-
J2-13 PIN 5
AUX CAM 3

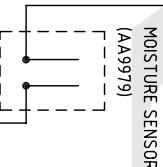
SHT 5-
J2-14 PIN 5
AUX CAM 4

SHT 5-
J2-15 PIN 4
SPARE 1

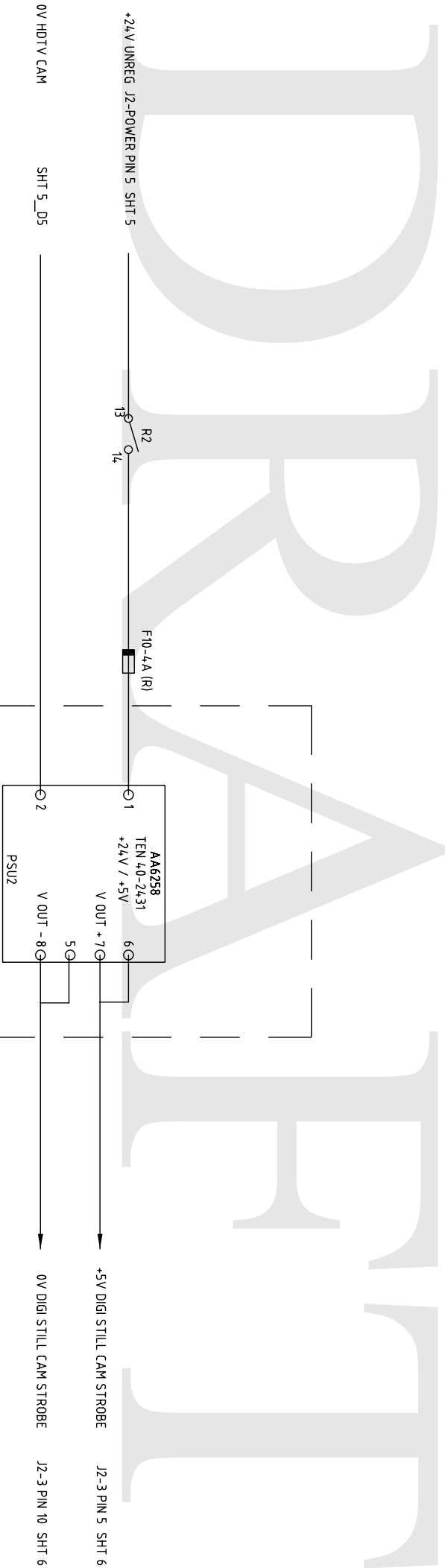
SHT 5-
J2-16 PIN 4
SPARE 2

SHT 1
SLOT 1-2
JB MOISTURE SIGNAL

SHT 4-B2
0V

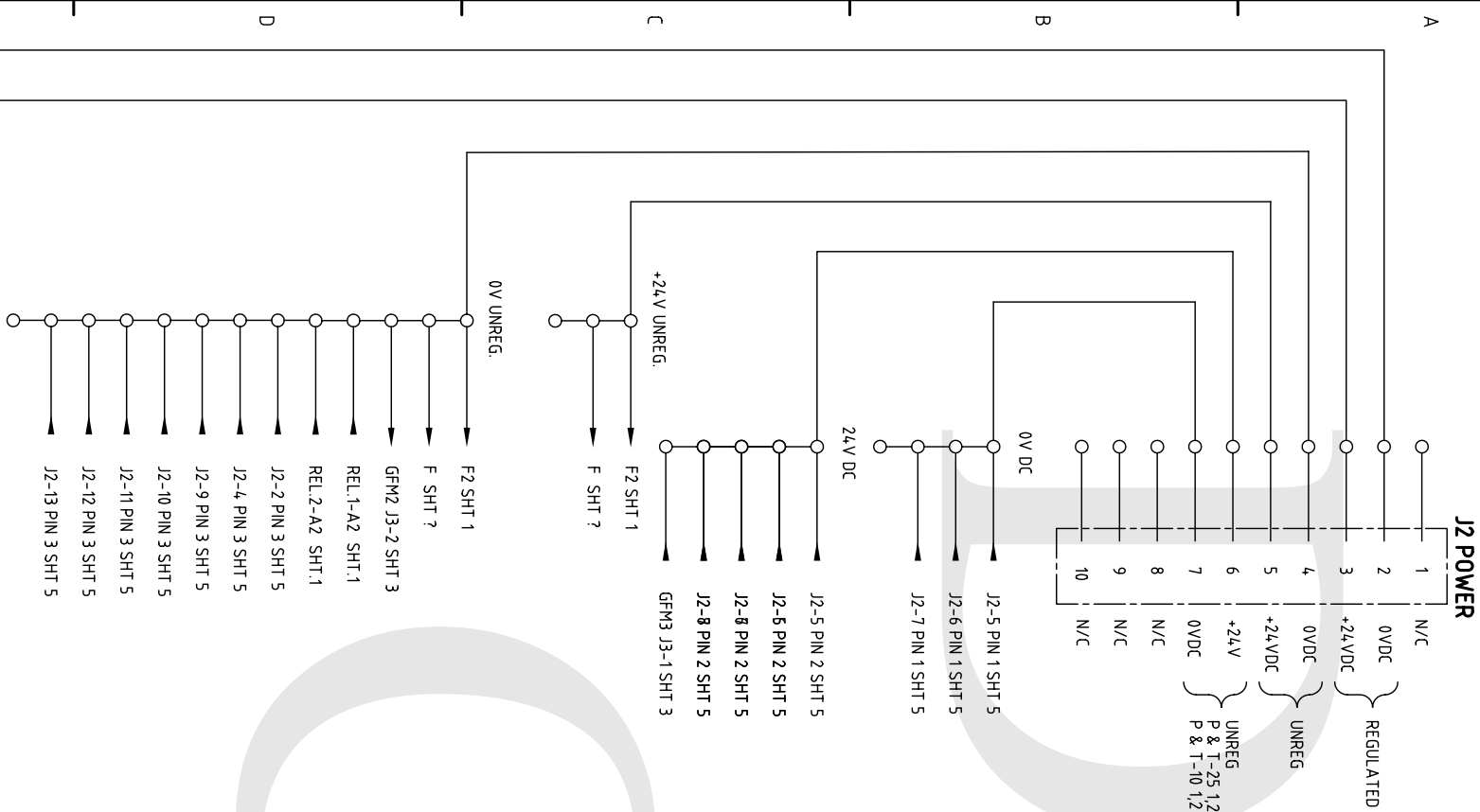


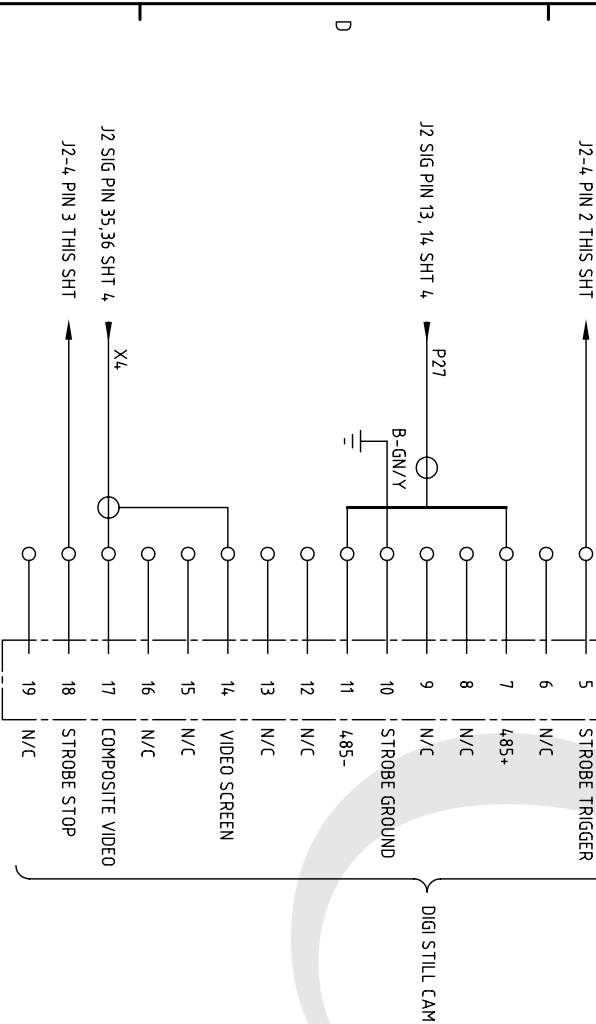
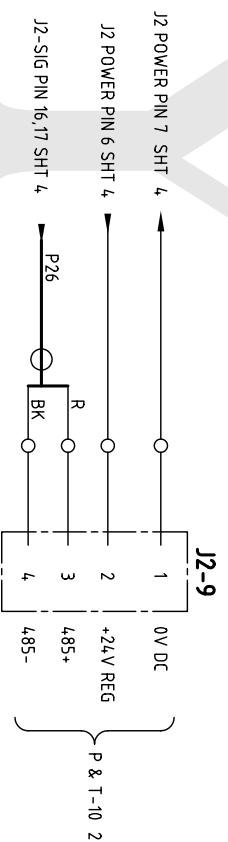
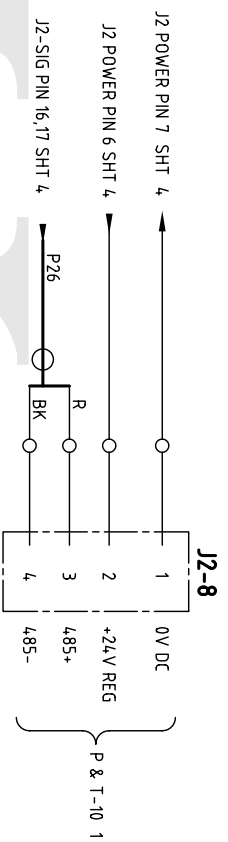
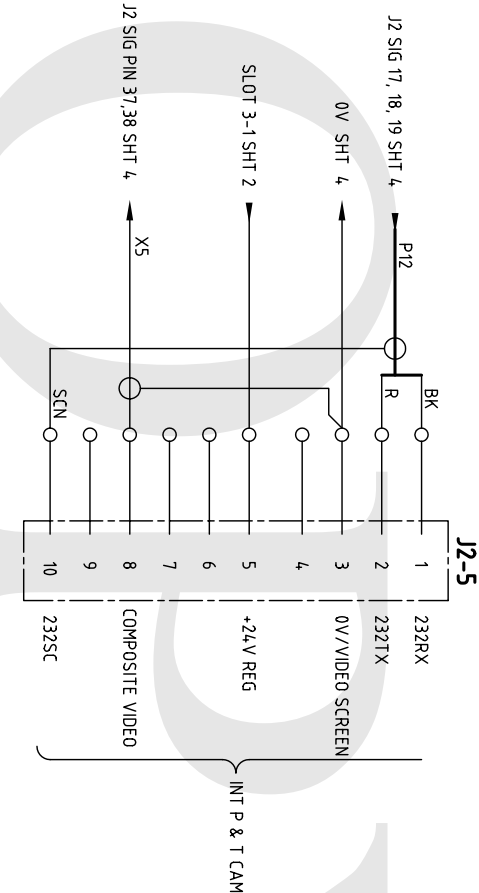
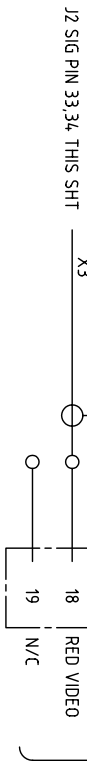
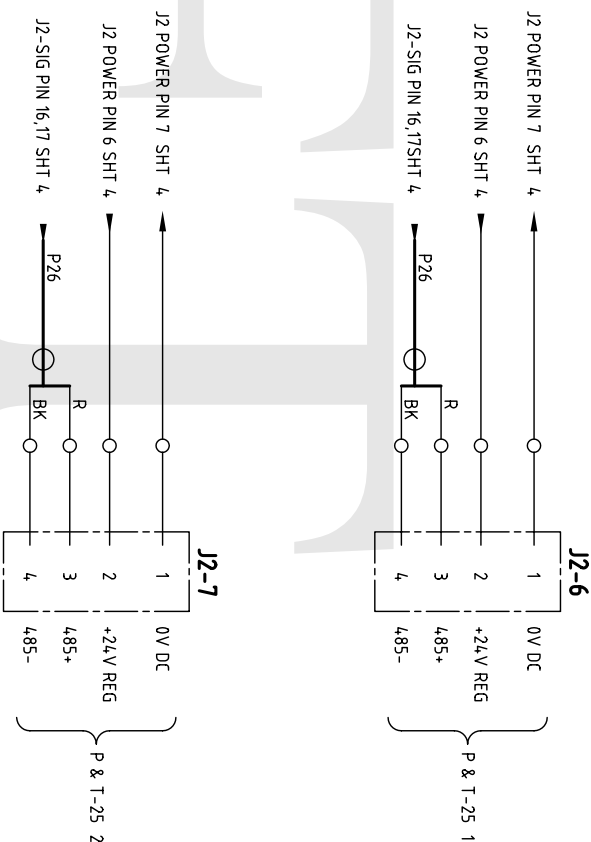
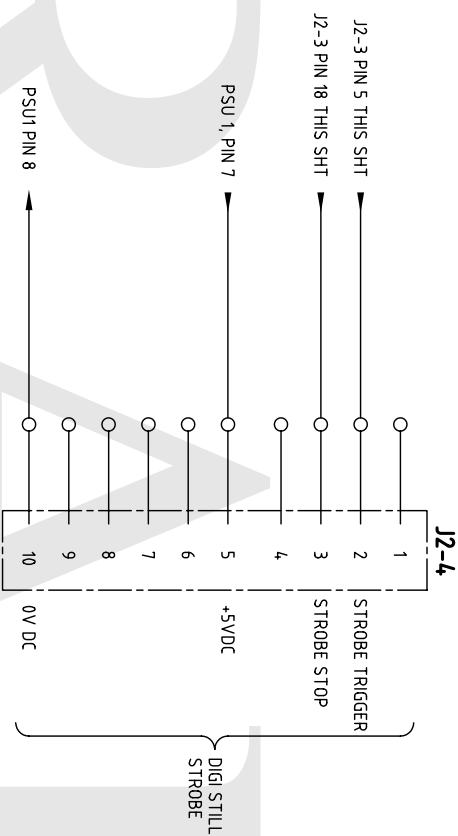
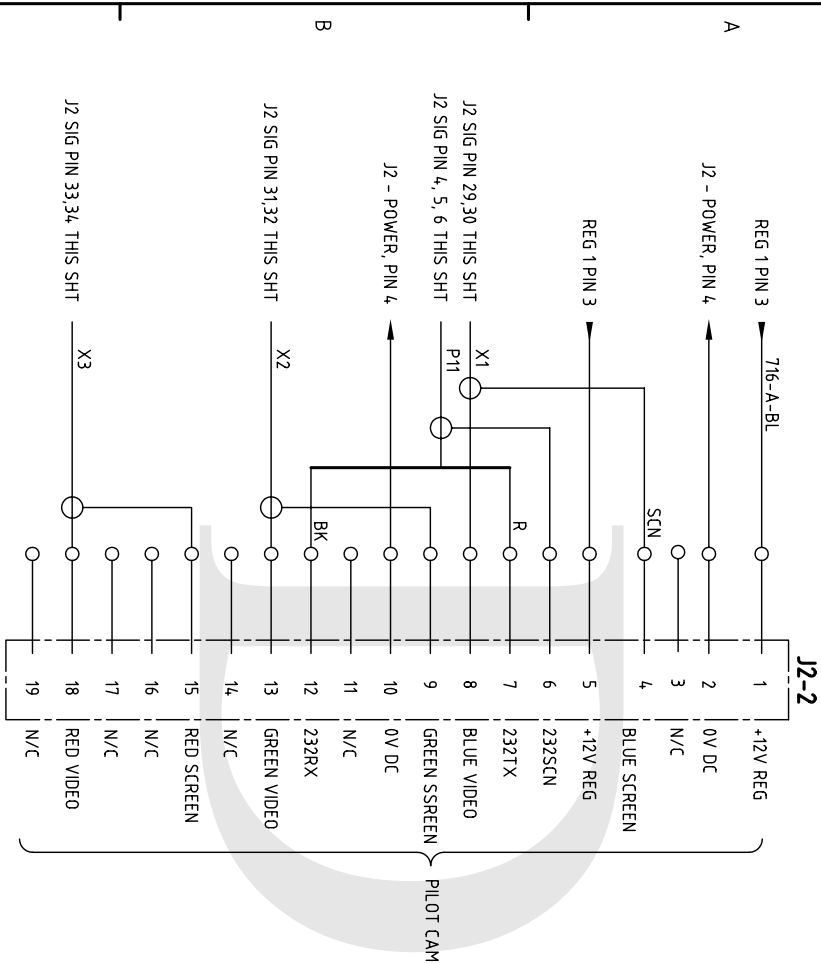
ALL INTELLECTUAL PROPERTY RIGHTS SUBSISTING IN THESE DESIGNS ARE THE PROPERTY OF SOL MACHINE DYNAMICS LTD. NO COPY IS TO BE MADE WITHOUT THE WRITTEN PERMISSION OF SOL MACHINE DYNAMICS LTD. ANY PATENT APPLICATION, PATENTS AND/OR DESIGN APPLICATIONS, REGISTERED DESIGNS, DESIGN RIGHTS OR COPYRIGHT ARISING FROM OR CONTAINED IN THE DESIGNS ARE THE PROPERTY OF SOL MACHINE DYNAMICS LTD AND ALL INFORMATION MUST BE HELD IN THE STRICTEST CONFIDENCE.													
NO.	DATE	CHANGE	ZONE	DRAWN	CHECK	MATERIAL	DIMENSIONS		SCALE	PROJECTION 3RD	TITLE		
						-		-			JUNCTION BOX 2 - MBARI		
						DESIGNED	DRAWN	TOLERANCES UNLESS OTHERWISE STATED				DO NOT SCALE	
						C.L.T	C.L.T	DIMENSION mm	UP TO 100	100 TO 300	300 TO 1000		OVER 1000
						DATE	CHECKED	FABRICATION	±1.0	±1.5	±2.0		±3.0
						09.08.07		MACHINED PART	± 0.15	± 0.4	± 0.8		± 1.0
SMD Hydrovision											DRAWING NO. AB5966	ISSUE NO. 0	
SHEET 2 OF 6													



NO.		DATE	CHANGE	ZONE	DRAWN	CHECK	MATERIAL	DIMENSIONS	SCALE	PROJECTION 3RD	TITLE	
							-	-	-		JUNCTION BOX 2 - MBARI	
							DESIGNED	DRAWN	TOLERANCES UNLESS OTHERWISE STATED			
							C.L.T	C.L.T	DIMENSION mm	UP TO 100 100 TO 300 300 TO 1000 OVER 1000		
							DATE	CHECKED	FABRICATION	±1.0 ±1.5 ±2.0 ±3.0		
							09.08.07		MACHINED PART	± 0.15 ± 0.4 ± 0.8 ± 1.0		
							DO NOT SCALE					DRAWING NO. AB5966
							ALL INTELLECTUAL PROPERTY RIGHTS SUBSISTING IN THESE DESIGNS ARE THE PROPERTY OF SOIL MACHINE DYNAMICS LTD. NO COPY IS TO BE MADE WITHOUT THE WRITTEN PERMISSION OF SOIL MACHINE DYNAMICS LTD. ANY PATENT APPLICATION, PATENTS AND/OR DESIGN APPLICATIONS, REGISTERED DESIGNS, DESIGN RIGHTS OR COPYRIGHT ARISING FROM OR CONTAINED IN THE DESIGNS ARE THE PROPERTY OF SOIL MACHINE DYNAMICS LTD AND ALL INFORMATION MUST BE HELD IN THE STRICTEST CONFIDENCE.				ISSUE NO. 0	
SMD Hydrovision											SHEET 3 OF 6	

ALL INTELLECTUAL PROPERTY RIGHTS SUBSISTING IN THESE DESIGNS ARE THE PROPERTY OF SOIL MACHINE DYNAMICS LTD. NO COPY IS TO BE MADE WITHOUT THE WRITTEN PERMISSION OF SOIL MACHINE DYNAMICS LTD. ANY PATENT APPLICATIONS, PATENTS AND/OR DESIGN APPLICATIONS, REGISTERED DESIGNS, DESIGN RIGHTS OR COPYRIGHT ARISING FROM OR CONTAINED IN THE DESIGNS ARE THE PROPERTY OF SOIL MACHINE DYNAMICS LTD AND ALL INFORMATION MUST BE HELD IN THE STRICTEST CONFIDENCE.



[illegible]

ALL INTELLECTUAL PROPERTY RIGHTS SUBSISTING IN THESE DESIGNS ARE THE PROPERTY OF SOIL MACHINE DYNAMICS LTD. NO COPY IS TO BE MADE WITHOUT THE WRITTEN PERMISSION OF SOIL MACHINE DYNAMICS LTD. ANY PATENT APPLICATIONS, PATENTS AND/OR DESIGN APPLICATIONS, REGISTERED DESIGNS, DESIGN RIGHTS OR COPYRIGHT ARISING FROM OR CONTAINED IN THE DESIGNS ARE THE PROPERTY OF SOIL MACHINE DYNAMICS LTD AND ALL INFORMATION MUST BE HELD IN THE STRICTEST CONFIDENCE.

SMD Hydrovision

AB5966

