CCSystems_V1_Cover

Connect Control Systems Manufacturing.
Unit 9D Ardcavan Business Park
Wexford
Y35 A8DH
Phone. +353 (0)539152829

Company / customer

Project description PIPER SILOSTREAM V6 ELECTRICAL SCHEME

Job number

Manufacturer (company) Connect Control Systems Manufacturing.

Path CC Systems Master

Project name SILOSTREAM V6.00

Number of pages 28

Table of contents

Column X: An automatically generated page was edited

F06_001

24VDC IN

BROWN	→	1B / 7.0
WHITE		
BLUE	→	15B / 7.0
BLACK		

A

PNET 1

BROWN	→	33B / 7.0
WHITE	→	5T / 7.2
BLUE	→	16B / 7.0
BLACK	→	30B / 7.0
GREY	→	27B / 7.0

B

CAN OUT

BROWN		
WHITE	→	11T / 7.2
BLUE	→	17B / 7.0
BLACK	→	37B / 7.0
GREY	→	34B / 7.0

C

INPUTS

BROWN	→	41B / 7.6
WHITE	→	40B / 7.6
BLUE	→	18B / 7.0
PINK	→	45B / 7.6
GREY	→	44B / 7.6
YELLOW	→	43B / 7.6
GREEN	→	42B / 7.6
RED	→	10T / 7.2

D

OUTPUTS

BROWN	→	52B / 7.6
WHITE	→	51B / 7.6
BLUE	→	19B / 7.0
PINK	→	56B / 7.6
GREY	→	55B / 7.6
YELLOW	→	54B / 7.6
GREEN	→	53B / 7.6
RED		

E

VSD MAIN

BROWN	→	49B / 7.6
WHITE	→	48B / 7.6
BLUE	→	20B / 7.0
BLACK	→	57B / 7.6

F

SPARE

SPR

PNET 3

BROWN		
WHITE	→	31B / 7.0
BLUE	→	28B / 7.0
BLACK		

G

WAN

WAN / 6.3

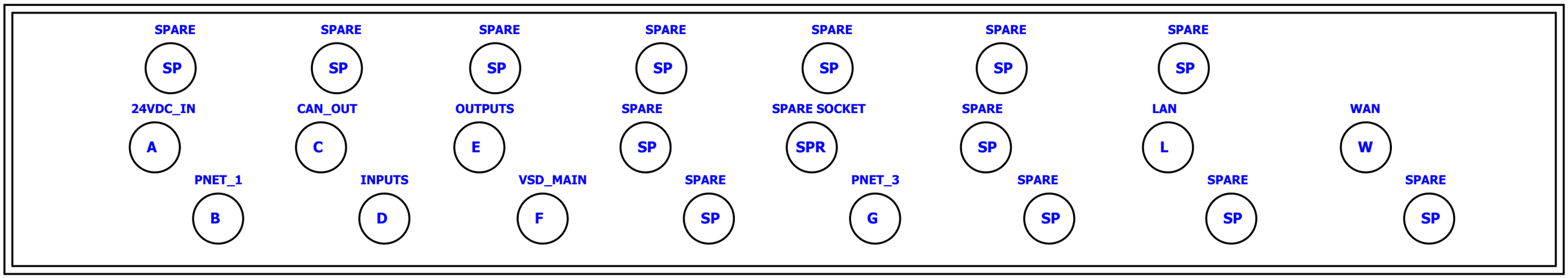
W

LAN

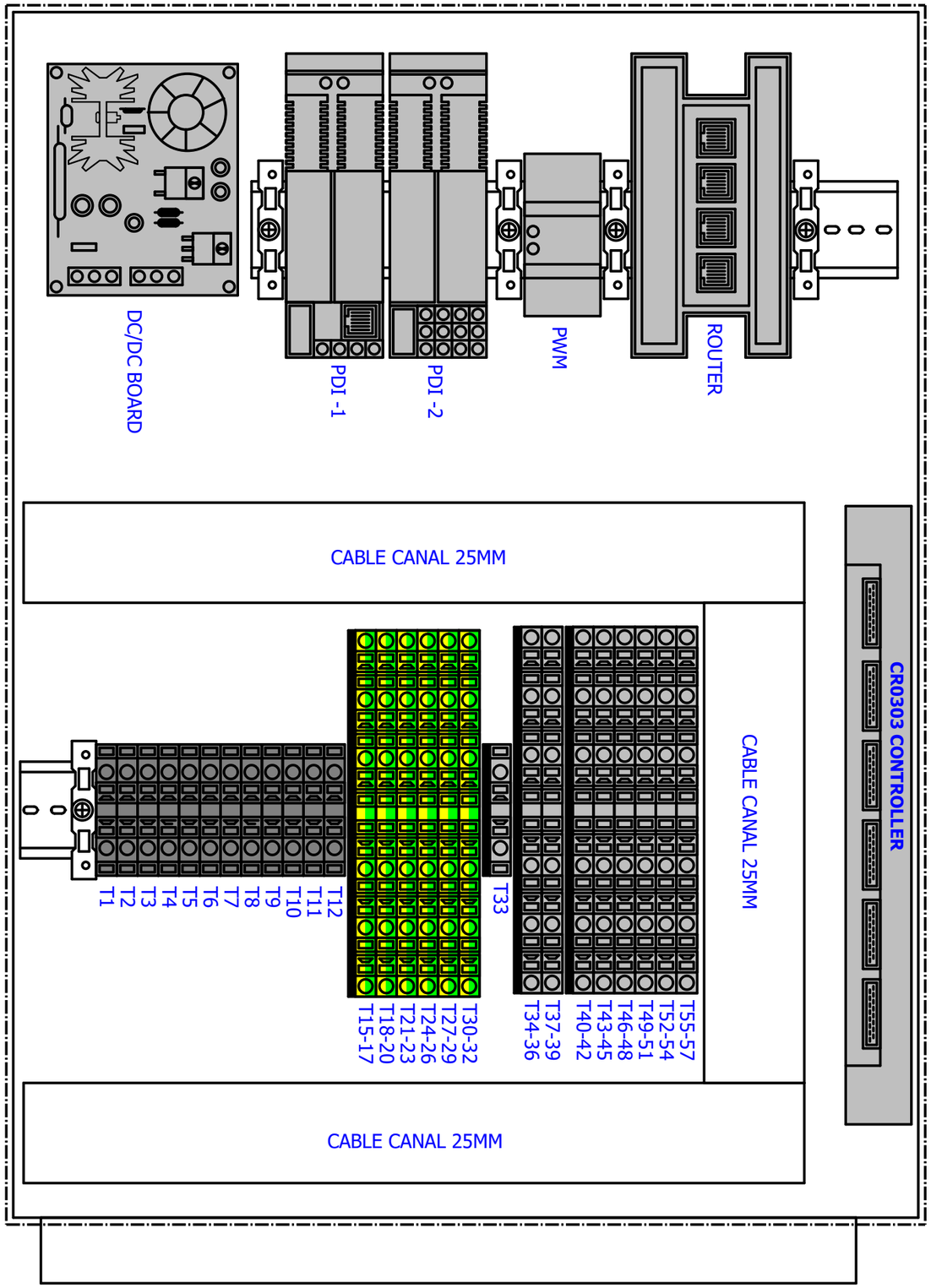
LAN / 6.3

L

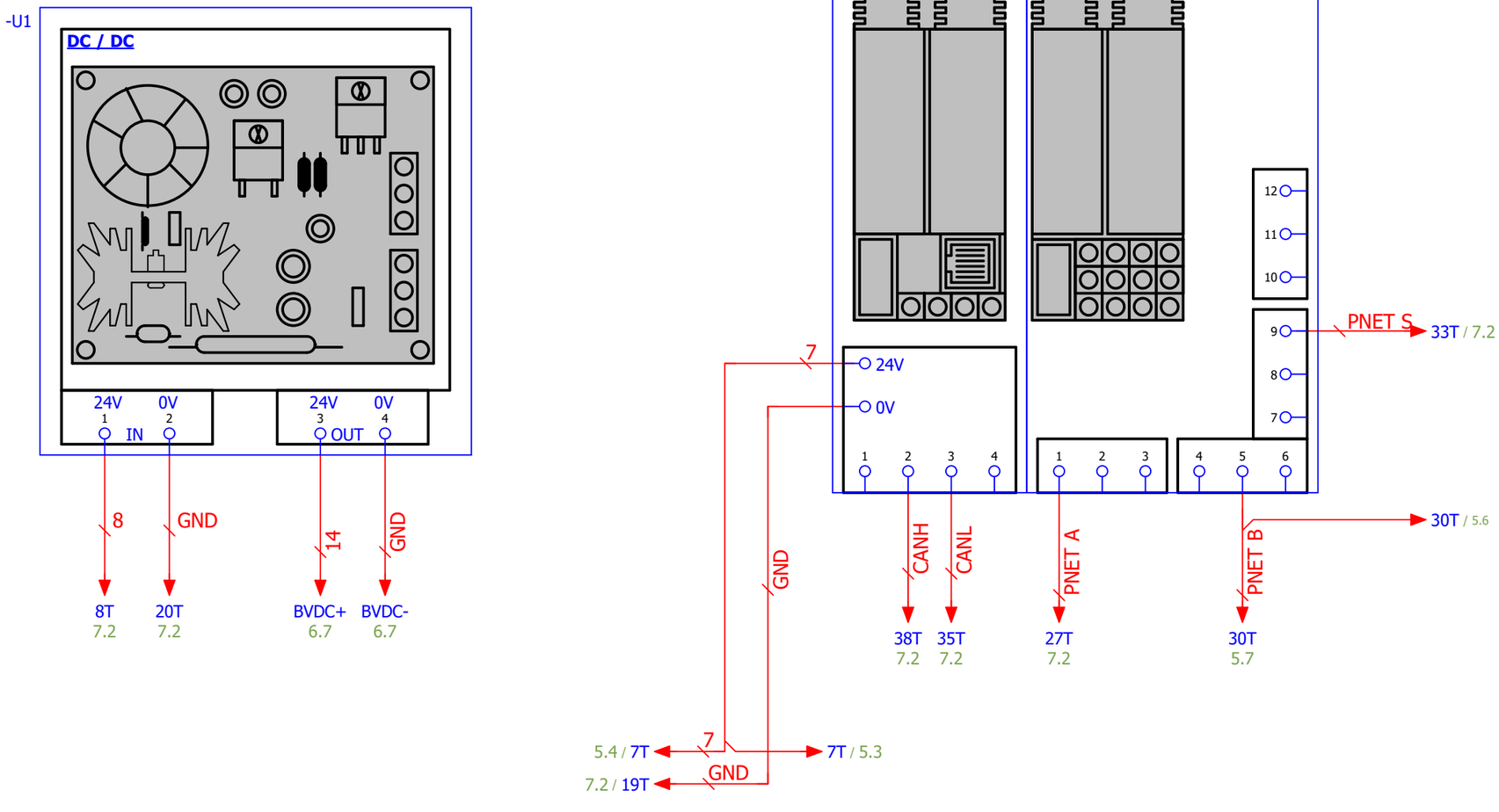
BULKHEAD PLACEMENT DIAGRAM



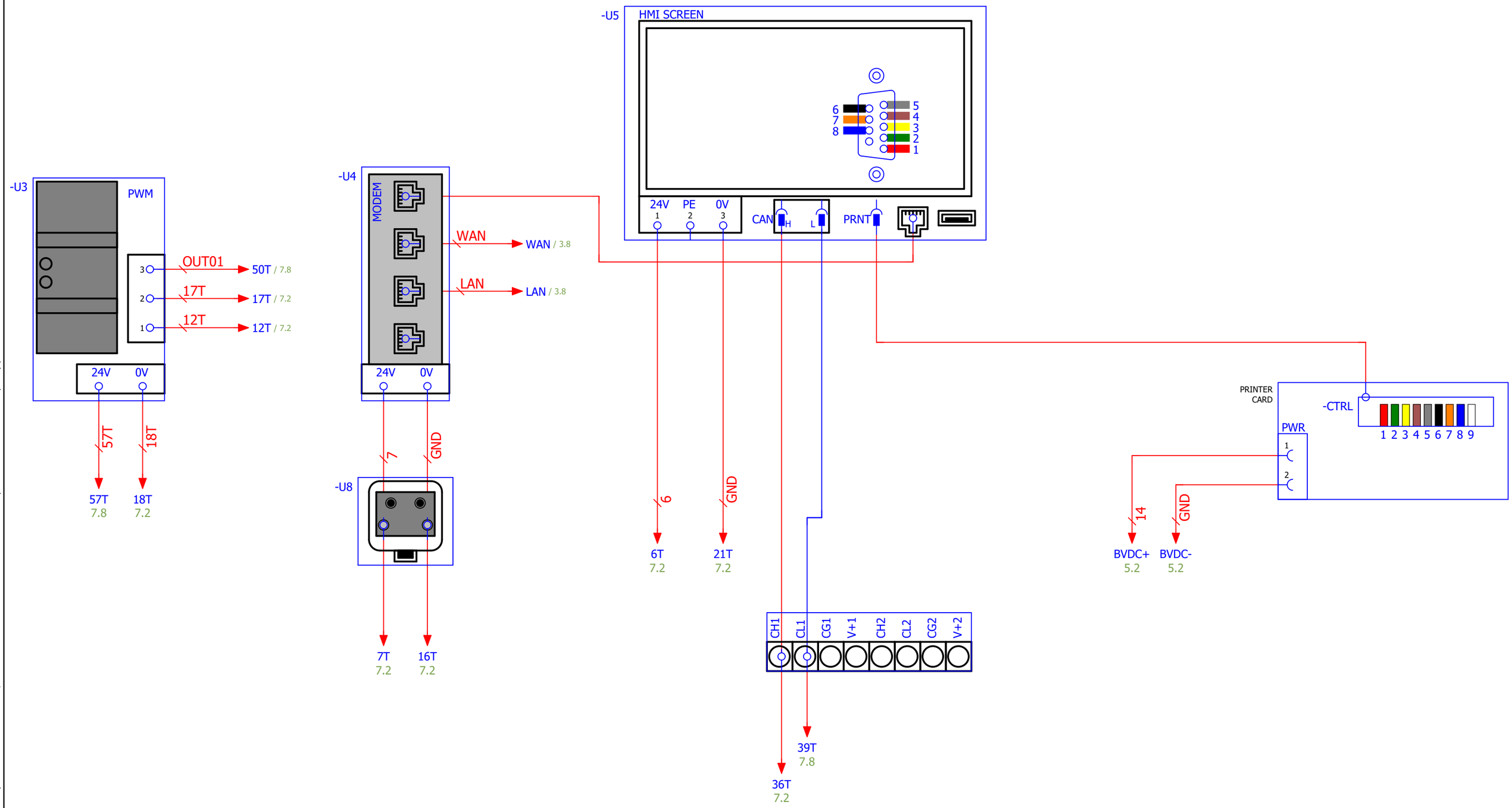
Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	BULKHEAD LOCATION TS7	Drawing Number 3 Page 3 from 28
Date	28.01.2026								
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						



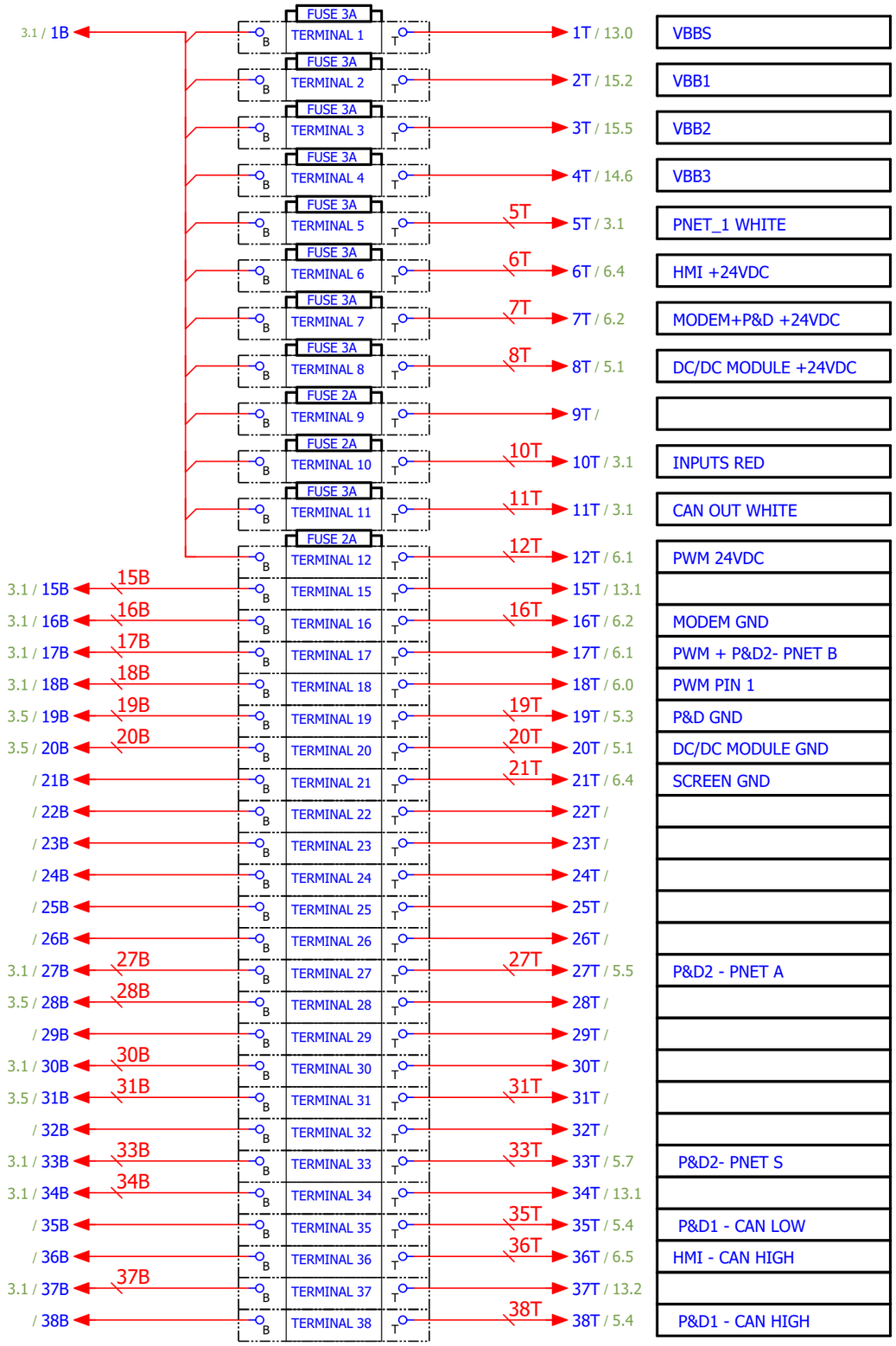
Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	GENERAL LAYOUT LOCATION TS7	Drawing Number 4 Page 4 from 28
Date	29.01.2026								
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						

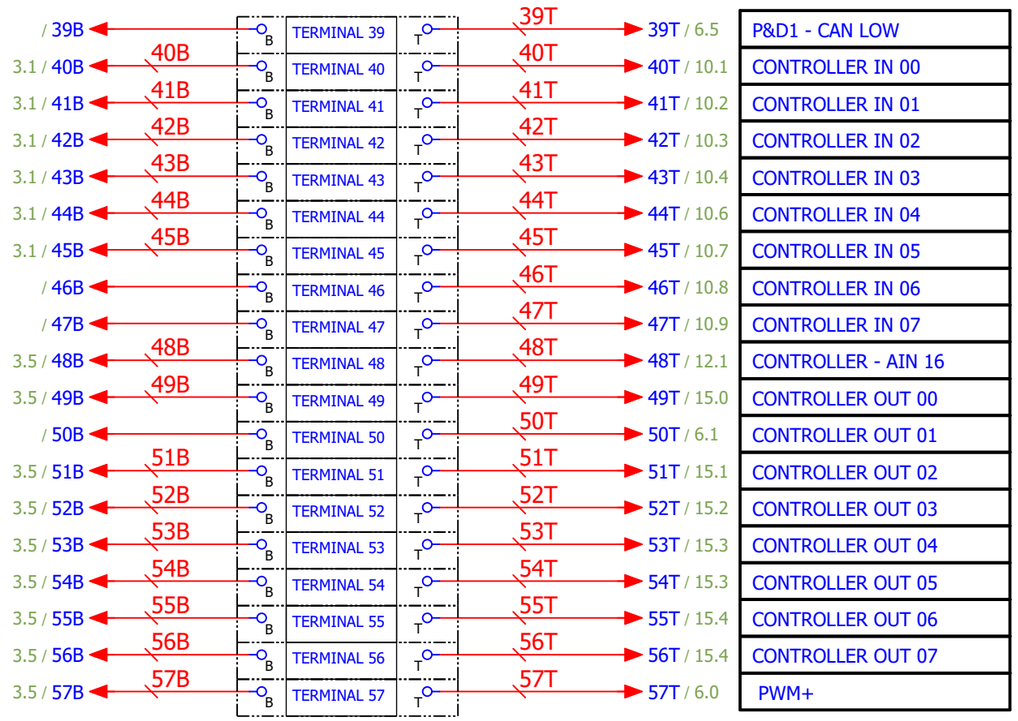


Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	DC/DC BLOCK & PD1-2	Drawing Number 5
Date	28.01.2026							LOCATION TS7	Page 5 from 28
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						

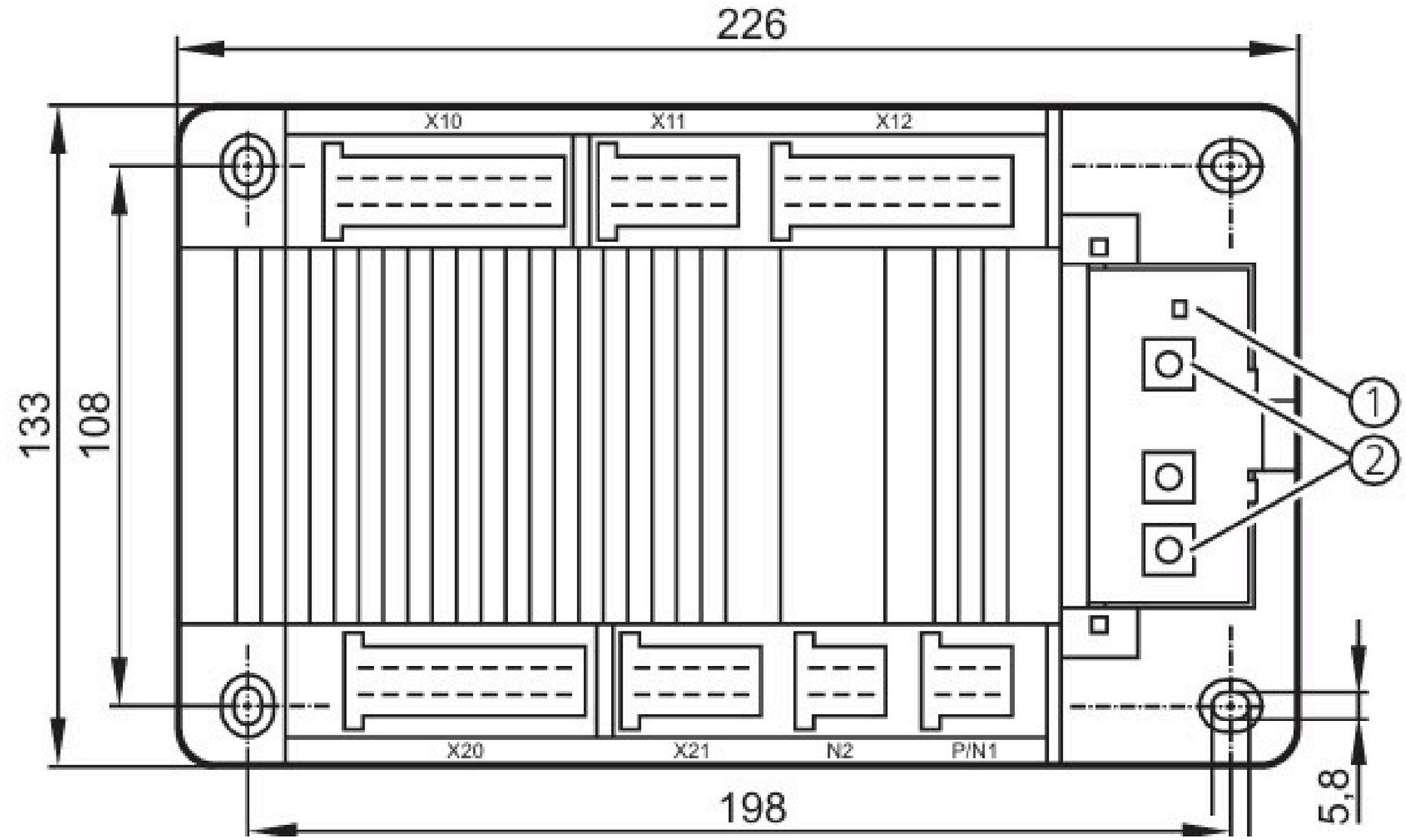


Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	PWM&SCREEN&MODEM LOCATION TS7	Drawing Number 6 Page 6 from 28
Date	28.01.2026								
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						

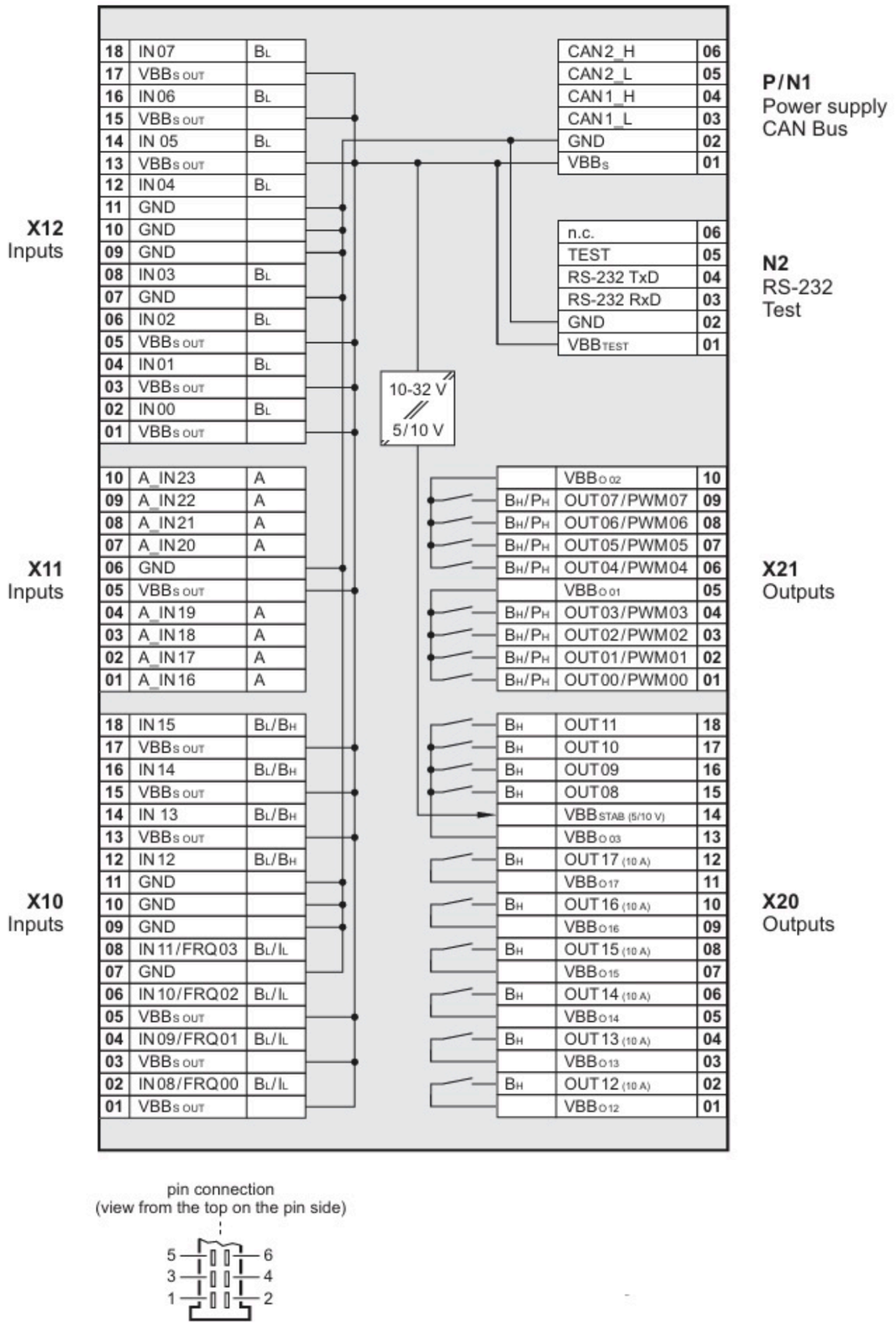




Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	TERMINALS	
Date	28.01.2026						LOCATION TS7	Drawing Number 7
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME					Page 7 from 28



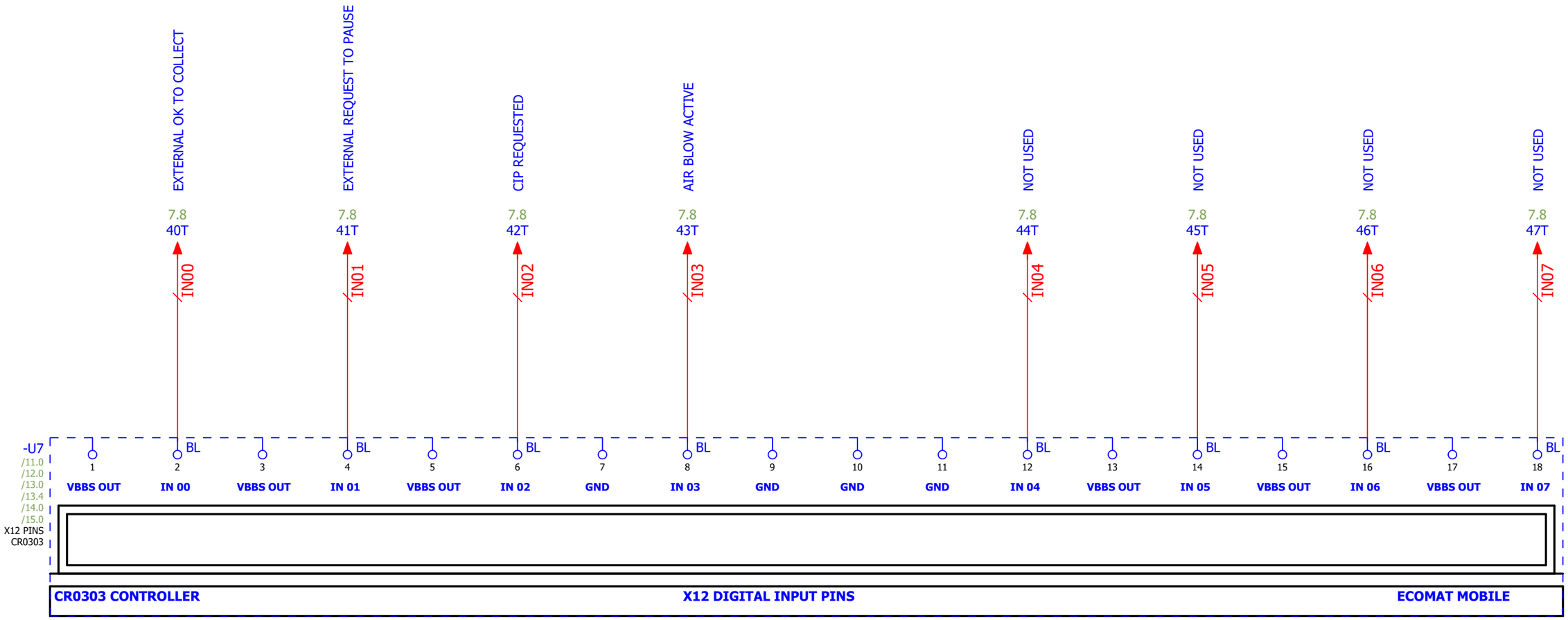
Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	CR0303 LOCATION TS7	Drawing Number 8 Page 8 from 28
Date	28.01.2026								
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						



pin connection
(view from the top on the pin side)

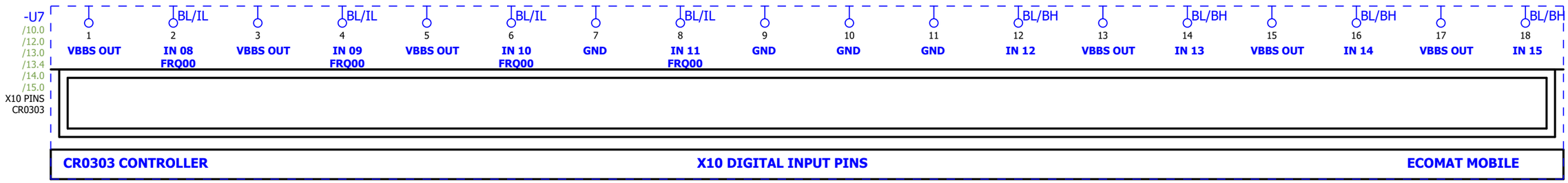
Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	CR0303 PIN ASSIGNMENT LOCATION TS7	Drawing Number 9 Page 9 from 28
Date	28.01.2026							
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME					

0	1	2	3	4	5	6	7	8	9



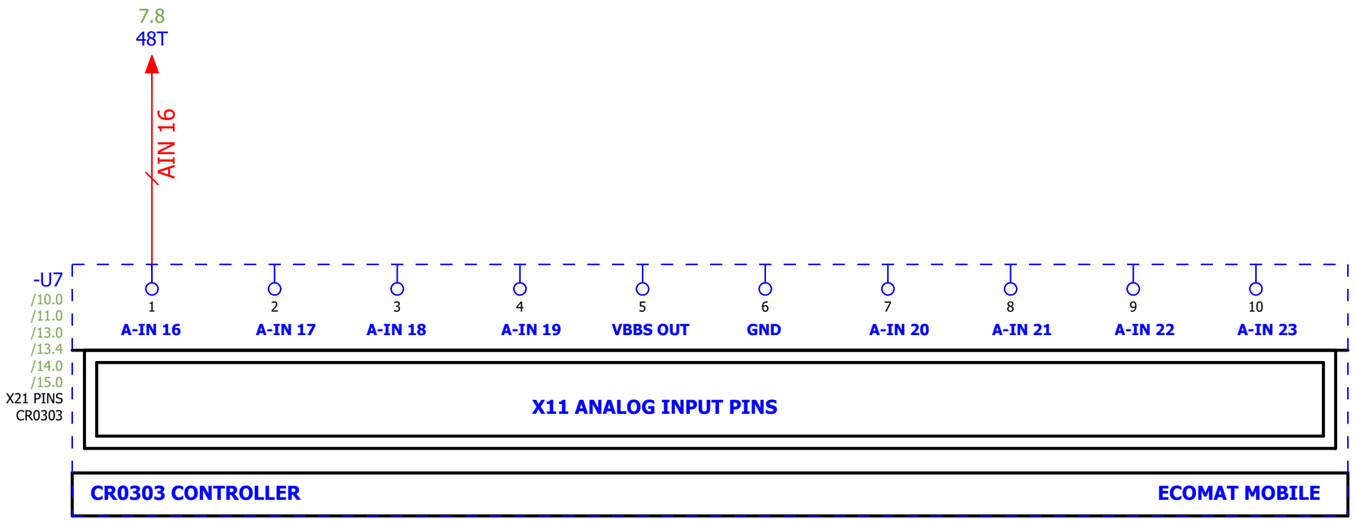
Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	CONTROLLER X12 LOCATION TS7	Drawing Number 10 Page 10 from 28
Date	28.01.2026							
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME					

0	1	2	3	4	5	6	7	8	9

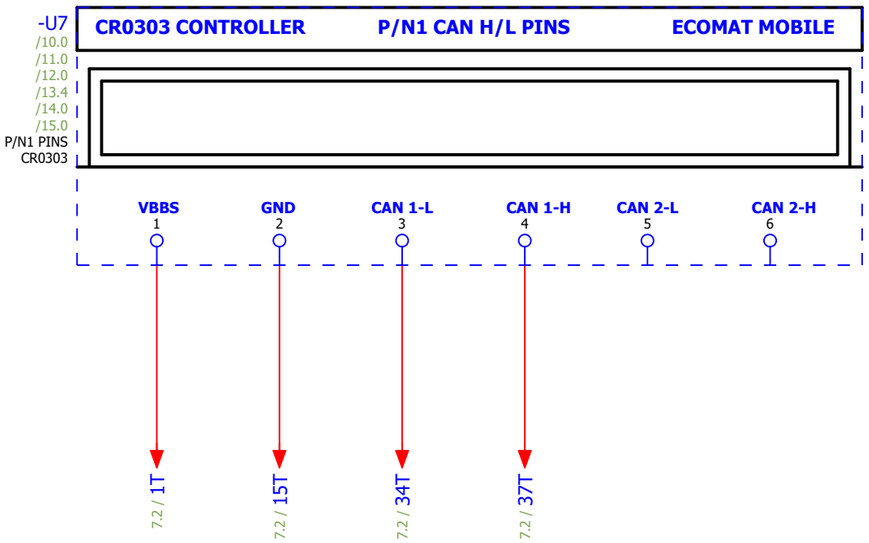


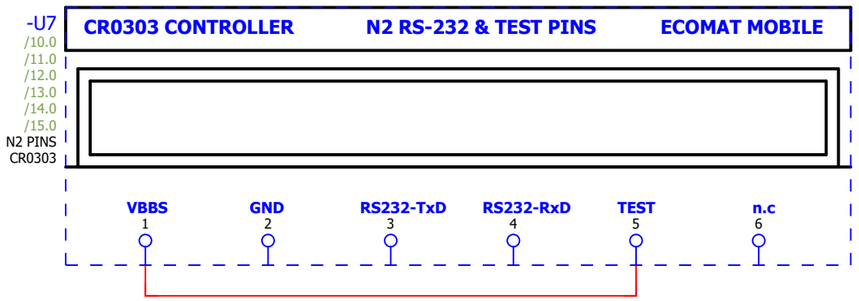
Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	CONTROLLER X10 LOCATION TS7	Drawing Number 11 Page 11 from 28
Date	28.01.2026								
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						

0	1	2	3	4	5	6	7	8	9



Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	CONTROLLER X11 LOCATION TS7	Drawing Number 12 Page 12 from 28
Date	28.01.2026								
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						

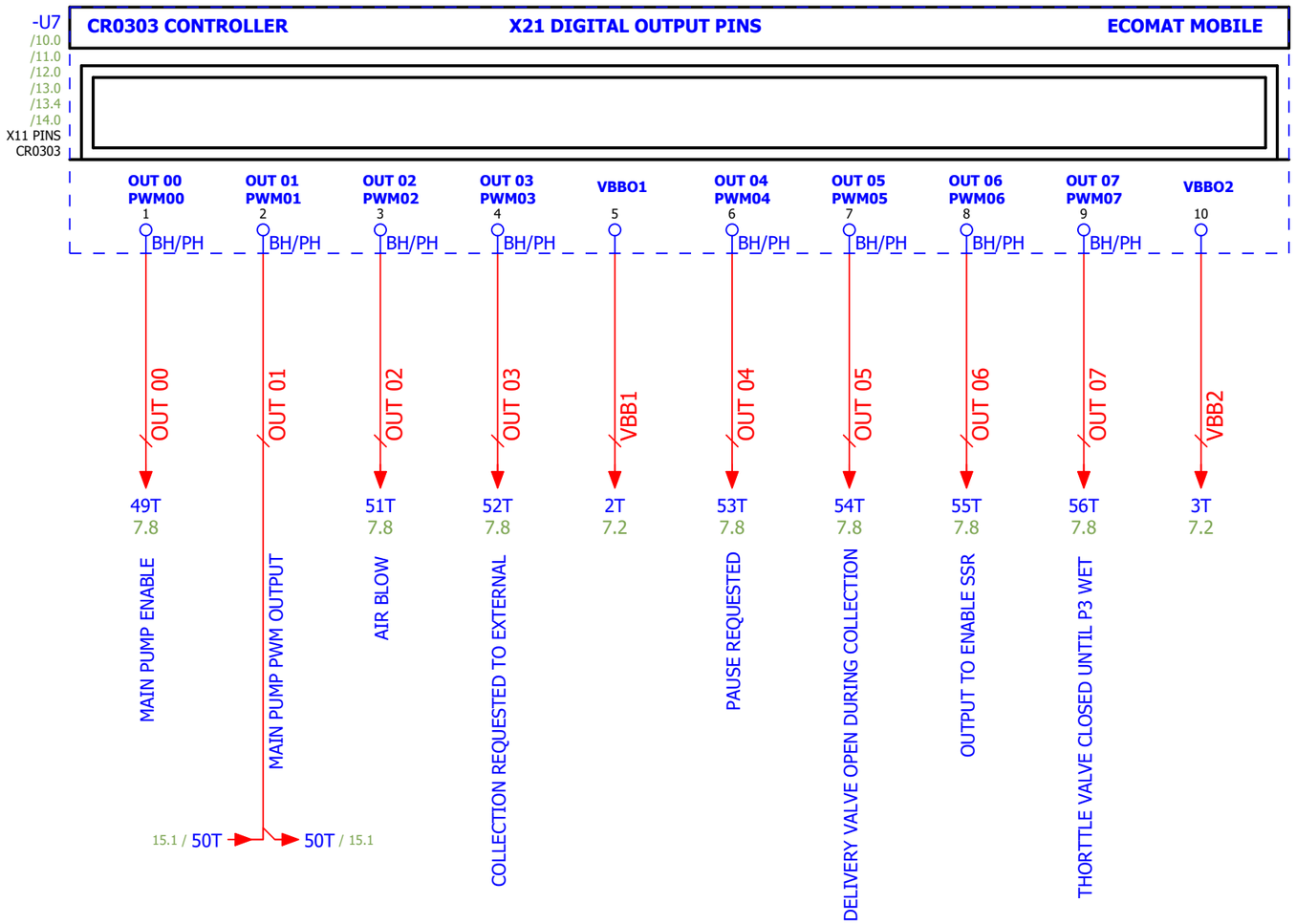




Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	CONTROLLER P/N1&N2	Drawing Number 13
Date	28.01.2026							LOCATION TS7	Page 13 from 28
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						

0	1	2	3	4	5	6	7	8	9

Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	CONTROLLER X20 LOCATION TS7	Drawing Number 14 Page 14 from 28
Date	28.01.2026								
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						

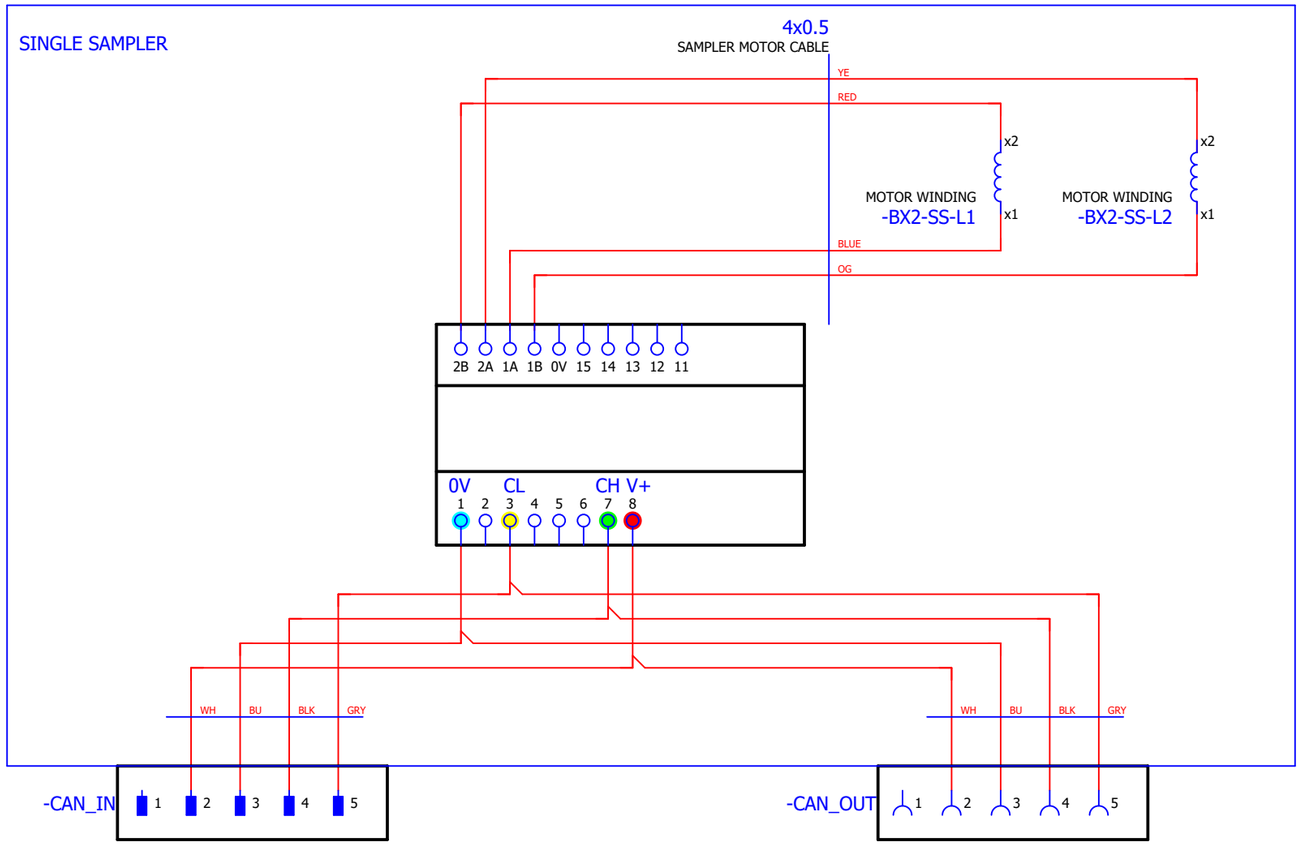


Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	CONTROLLER X21 LOCATION TS7	Drawing Number 15 Page 15 from 28
Date	28.01.2026							
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME					

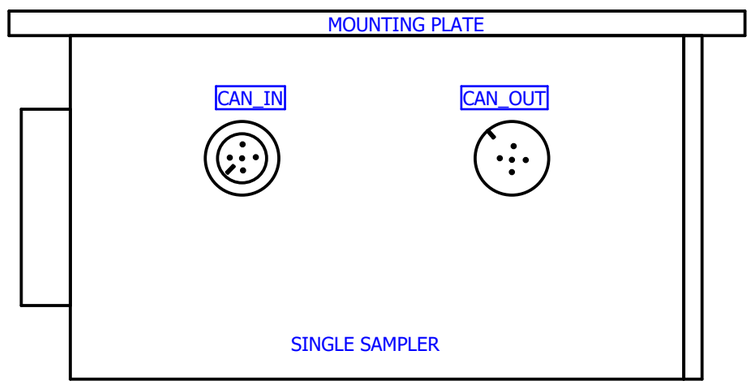
-BX2

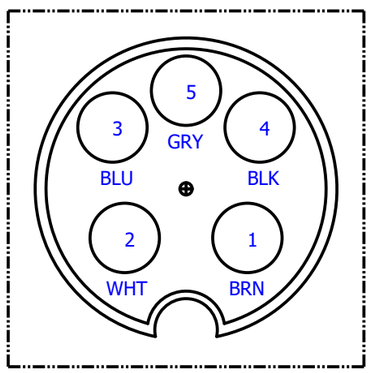
-SS

SINGLE SAMPLER

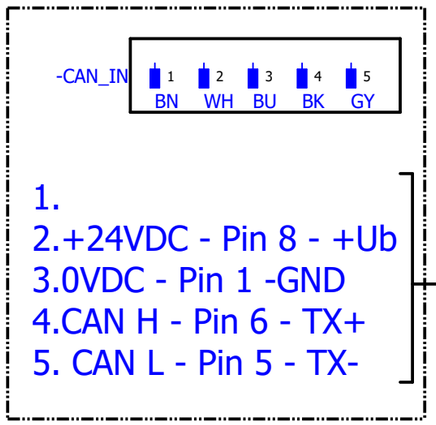


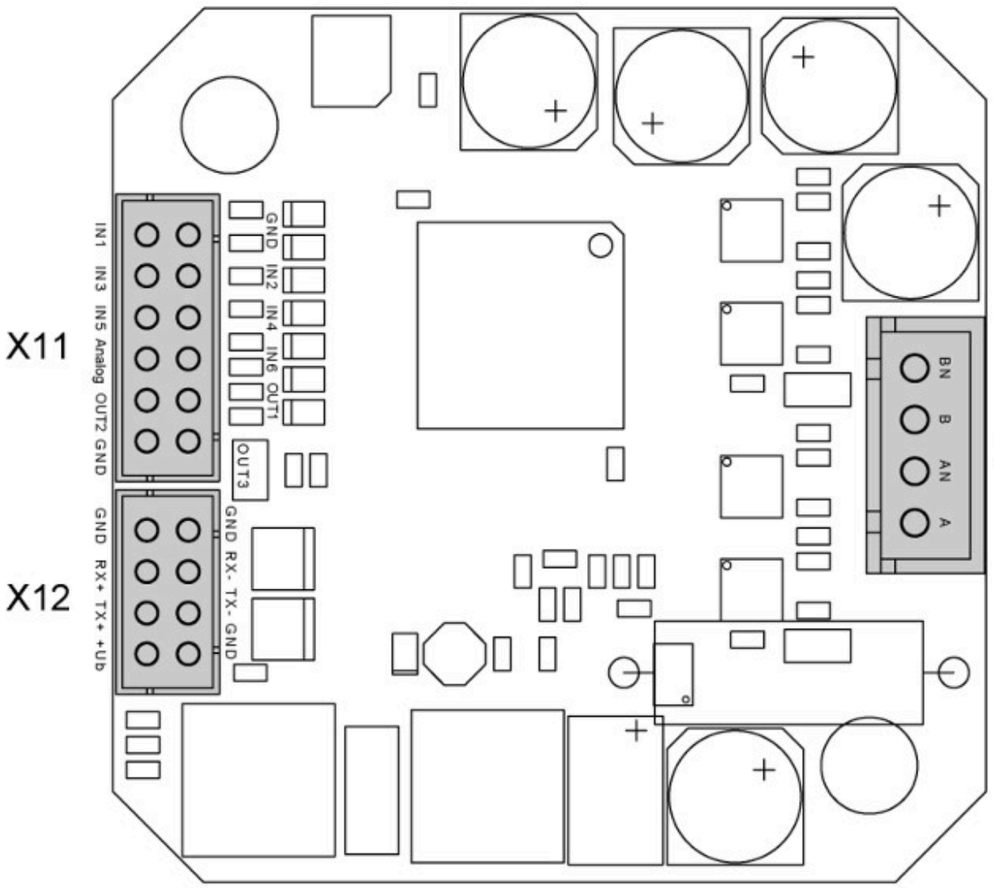
DT	FUNCTION	PART CODE
SS	Single sampler	SAM149
CAN_IN	5 pin male bulkhead	1671111
CAN_OUT	5 pin female bulkhead	1671098
	Gland	M20x1,5

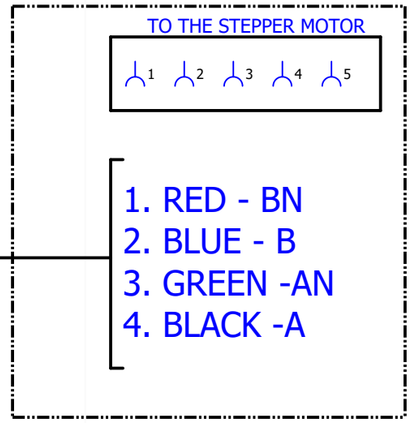




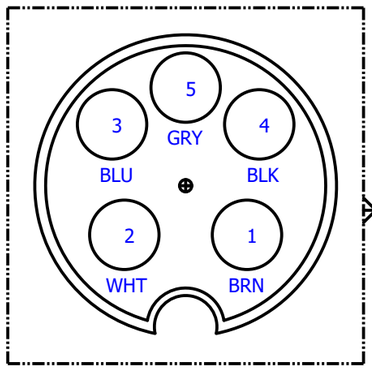
Revision	A00	Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	SINGLE SAMPLER WIRING -BART	
Date	28.01.2026						LOCATION PARSAM149	Drawing Number 16
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME					Page 16 from 28

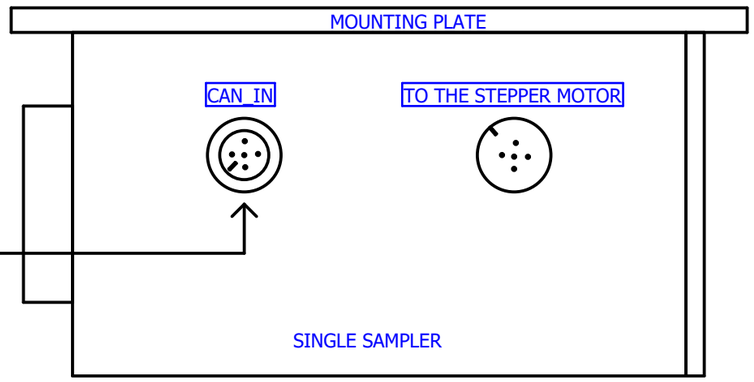




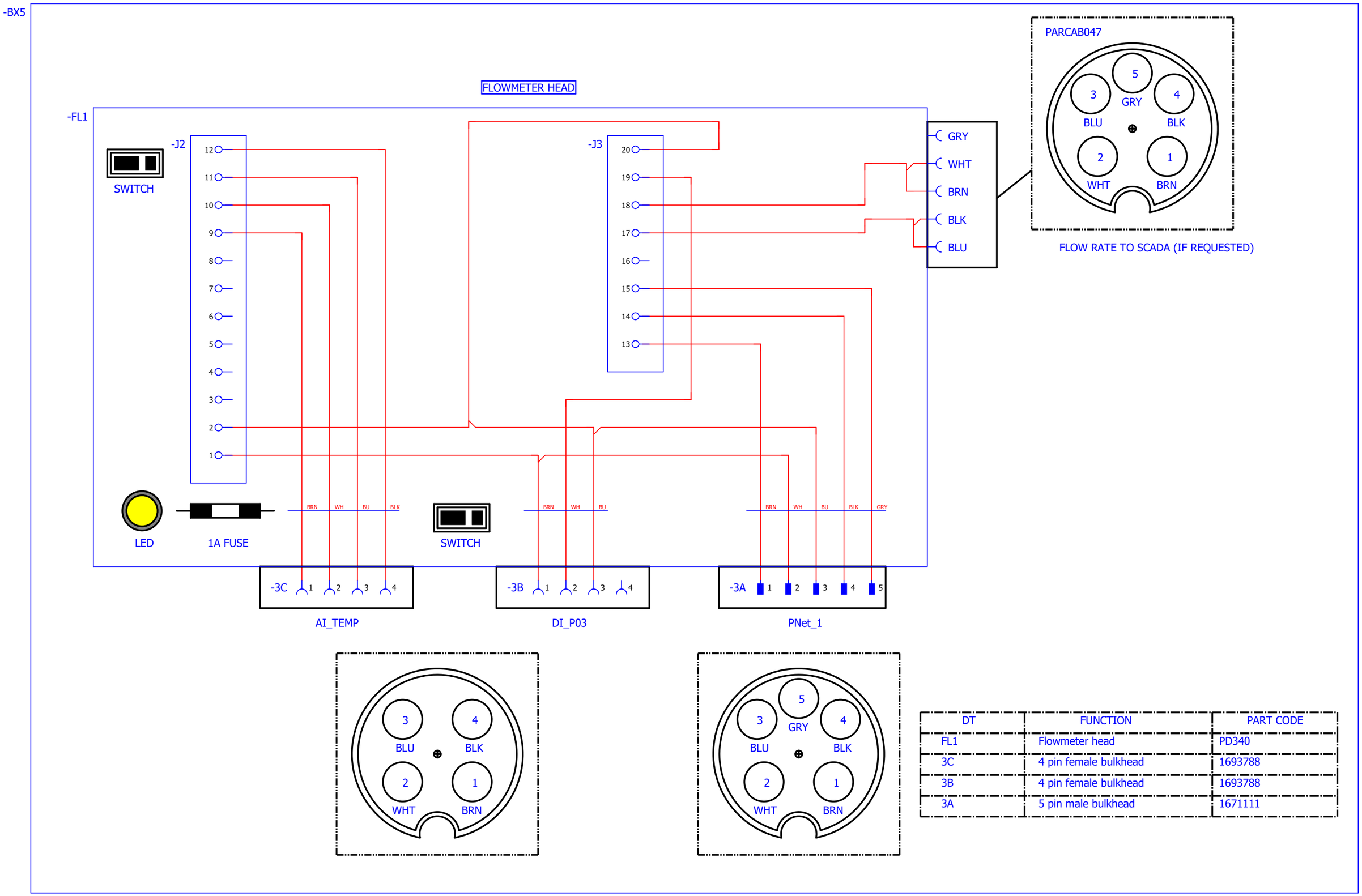


FROM TS7 BOX BULKHEAD C - CAN_OUT



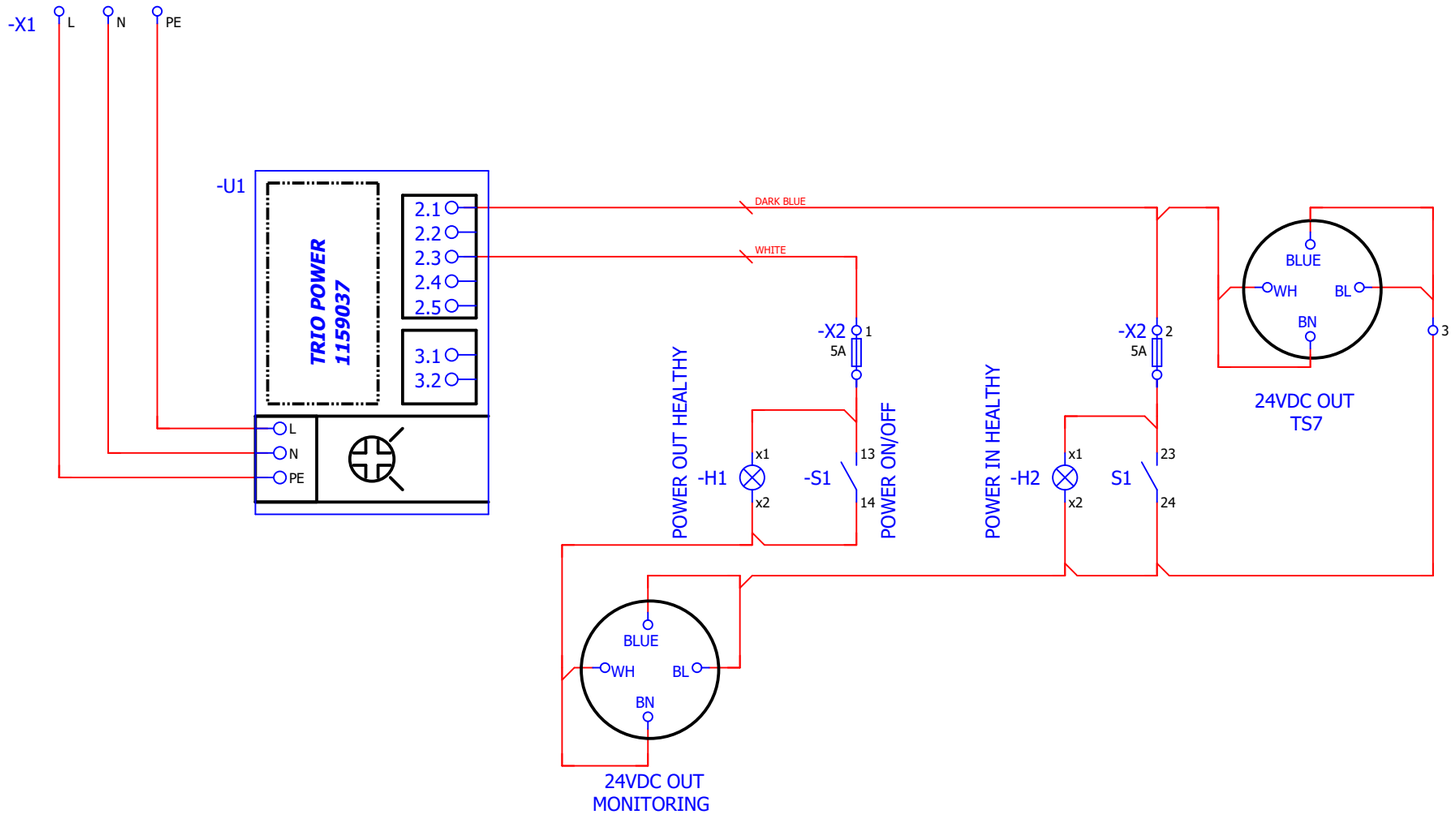


Revision	A00	Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	SINGLE SAMPLER WIRING - NANOTECH	Drawing Number 17
Date	30.01.2026							LOCATION PARSAM149	Page 17 from 28
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						



DT	FUNCTION	PART CODE
FL1	Flowmeter head	PD340
3C	4 pin female bulkhead	1693788
3B	4 pin female bulkhead	1693788
3A	5 pin male bulkhead	1671111

Revision	A00	Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	FLOWMETER HEAD WIRING	Drawing Number 18
Date	28.01.2026	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME					LOCATION FLOWMETER	Page 18 from 28
By	EPLAN								



Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	LOCATION POWER BOX	Drawing Number 19
Date	28.01.2026							Page 19 from 28
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME					

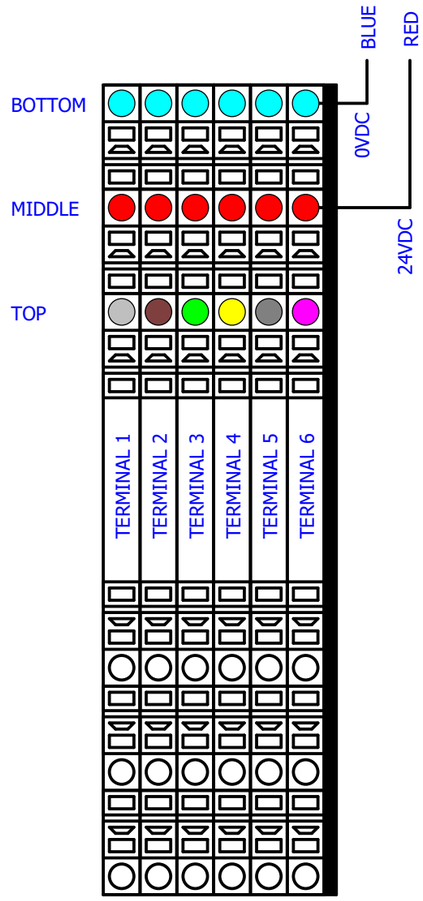
180 MM

25 MM

50 MM

8 PIN MALE

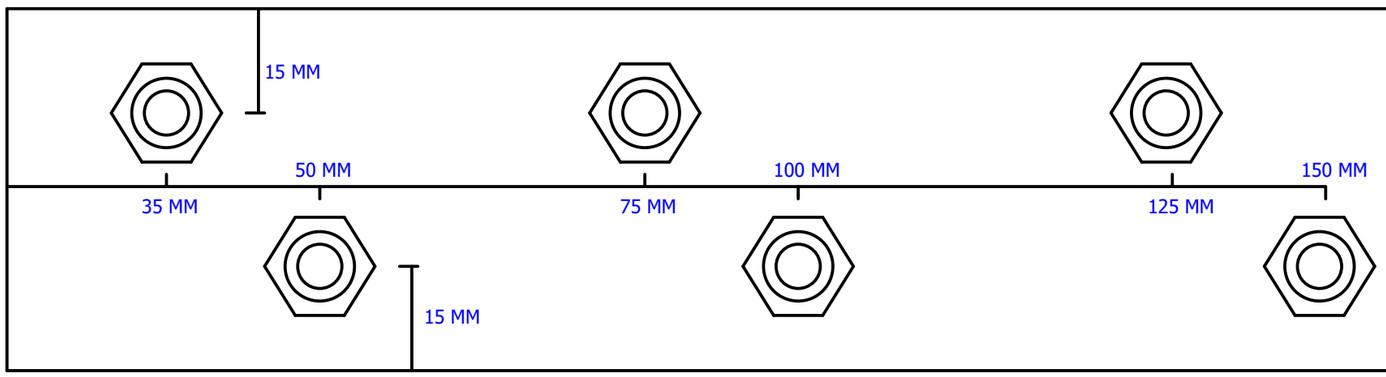
TOP SIDE SOCKET



SYSTEM OK TO COLLECT WH	TERMINAL 1 TOP - INPUT TERMINAL 1 MIDDLE - 24VDC TERMINAL 1 BOTTOM - 0VDC
REQUEST PAUSE BN	TERMINAL 2 TOP - INPUT TERMINAL 2 MIDDLE - 24VDC TERMINAL 2 BOTTOM - 0VDC
CIP REQUEST GREEN	TERMINAL 3 TOP - INPUT TERMINAL 3 MIDDLE - 24VDC TERMINAL 3 BOTTOM - 0VDC
AIRBLOW ACTIVE YELLOW	TERMINAL 4 TOP - INPUT TERMINAL 4 MIDDLE - 24VDC TERMINAL 4 BOTTOM - 0VDC
SPARE GREY	TERMINAL 5 TOP - INPUT TERMINAL 5 MIDDLE - 24VDC TERMINAL 5 BOTTOM - 0VDC
SPARE PINK	TERMINAL 6 TOP - INPUT TERMINAL 6 MIDDLE - 24VDC TERMINAL 6 BOTTOM - 0VDC

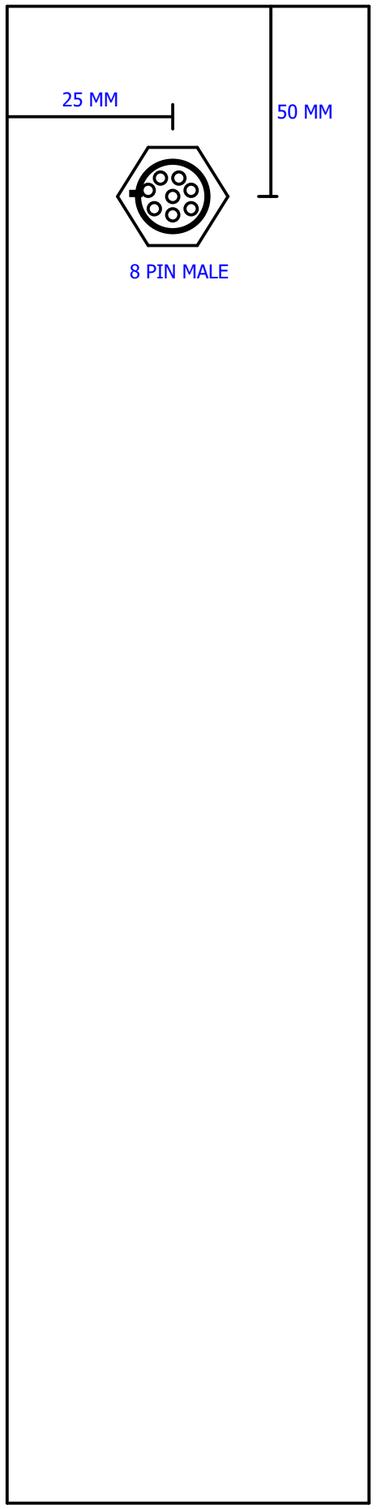
180 MM

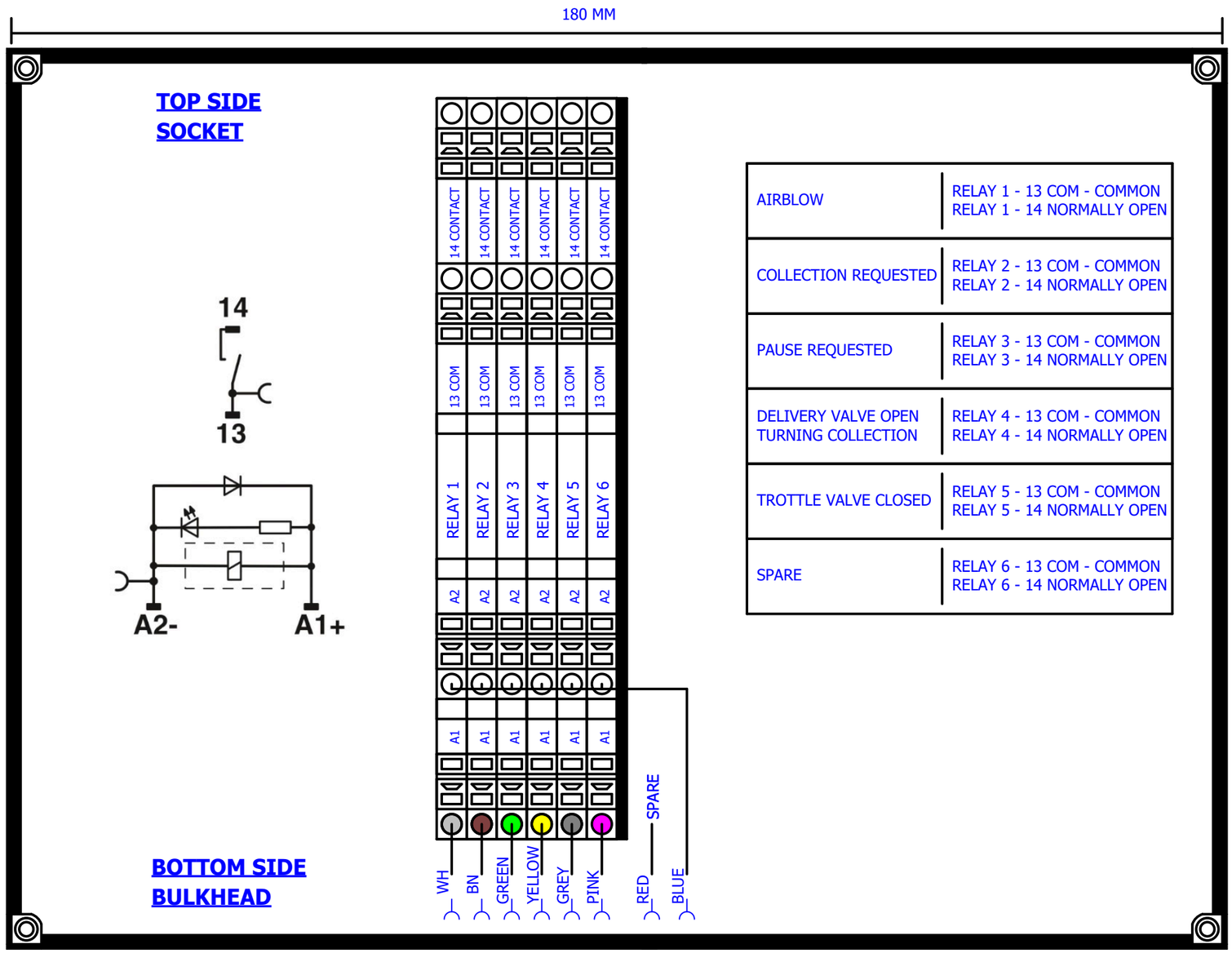
BOTTOM SIDE BULKHEAD



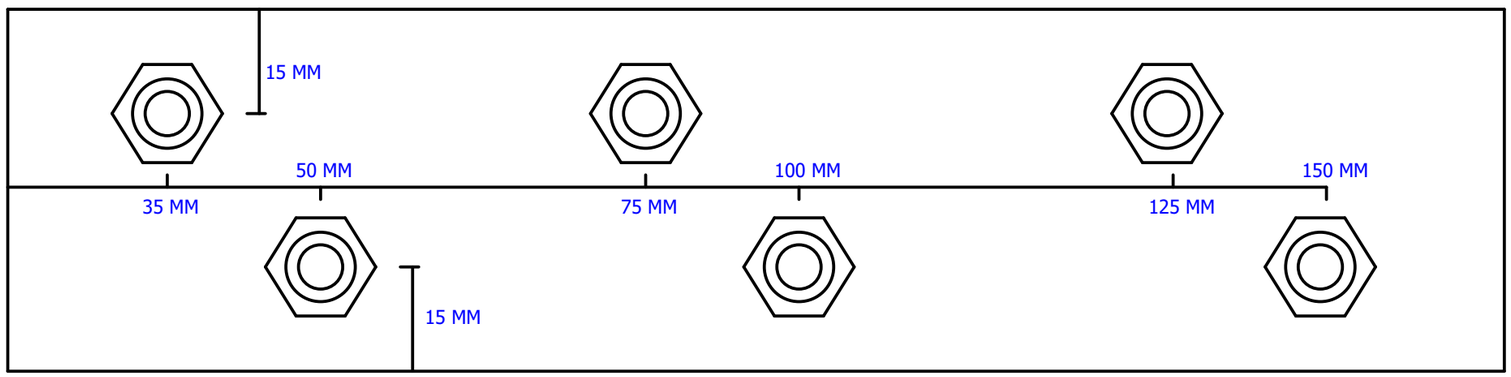
50 MM

Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	INPUT BOX CONNECTIONS LOCATION INPUT BOX	Drawing Number 20 Page 20 from 28
Date	28.01.2026								
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						



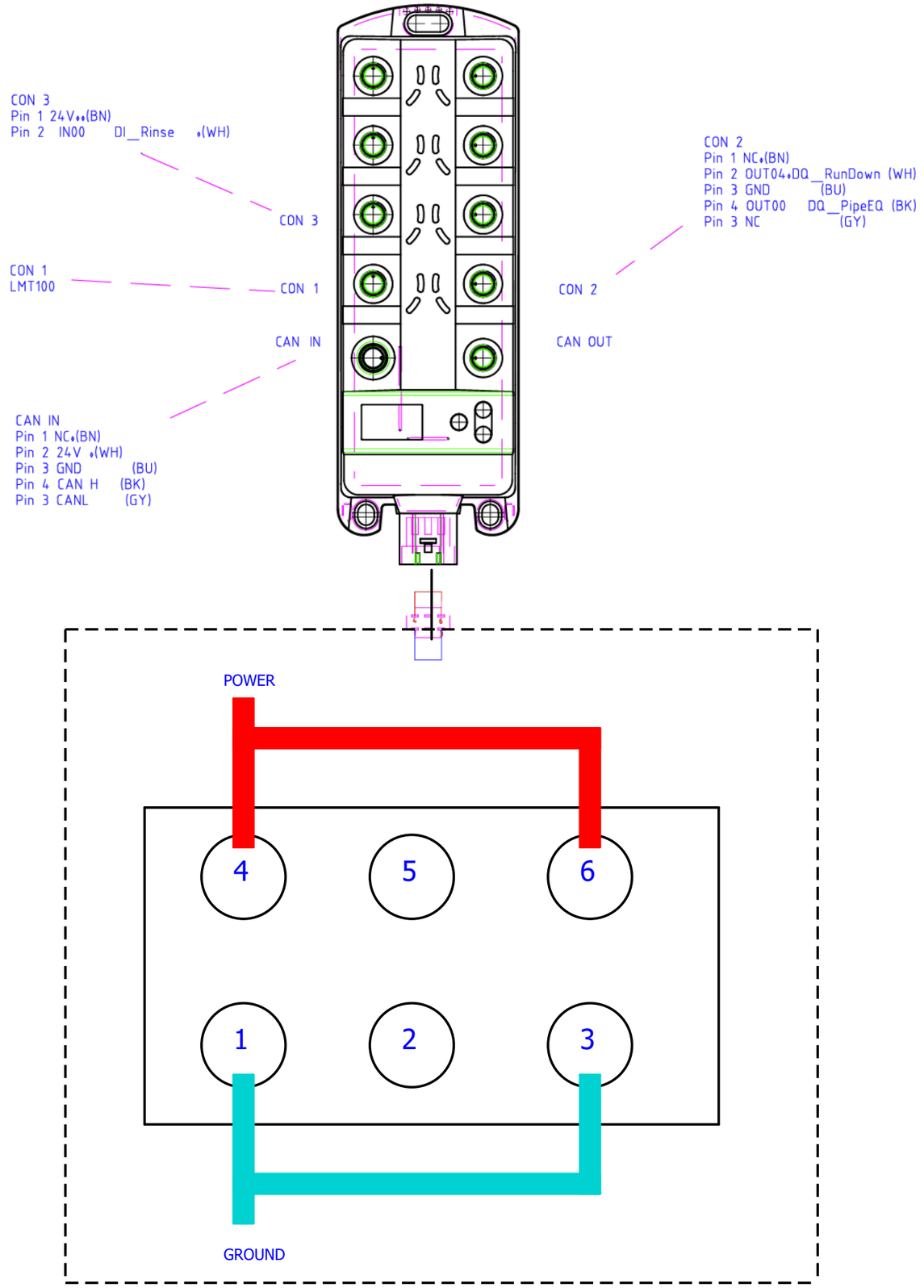


AIRBLOW	RELAY 1 - 13 COM - COMMON RELAY 1 - 14 NORMALLY OPEN
COLLECTION REQUESTED	RELAY 2 - 13 COM - COMMON RELAY 2 - 14 NORMALLY OPEN
PAUSE REQUESTED	RELAY 3 - 13 COM - COMMON RELAY 3 - 14 NORMALLY OPEN
DELIVERY VALVE OPEN TURNING COLLECTION	RELAY 4 - 13 COM - COMMON RELAY 4 - 14 NORMALLY OPEN
TROTTLE VALVE CLOSED	RELAY 5 - 13 COM - COMMON RELAY 5 - 14 NORMALLY OPEN
SPARE	RELAY 6 - 13 COM - COMMON RELAY 6 - 14 NORMALLY OPEN



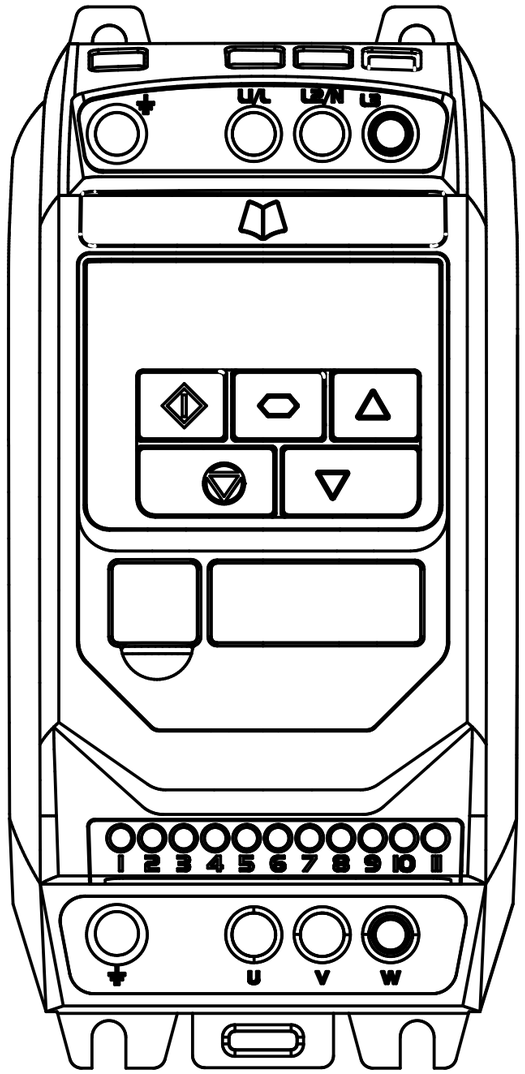
Revision		Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	OUTPUT BOX CONNECTIONS LOCATION OUTPUT BOX	Drawing Number 21 Page 21 from 28
Date	28.01.2026								
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						

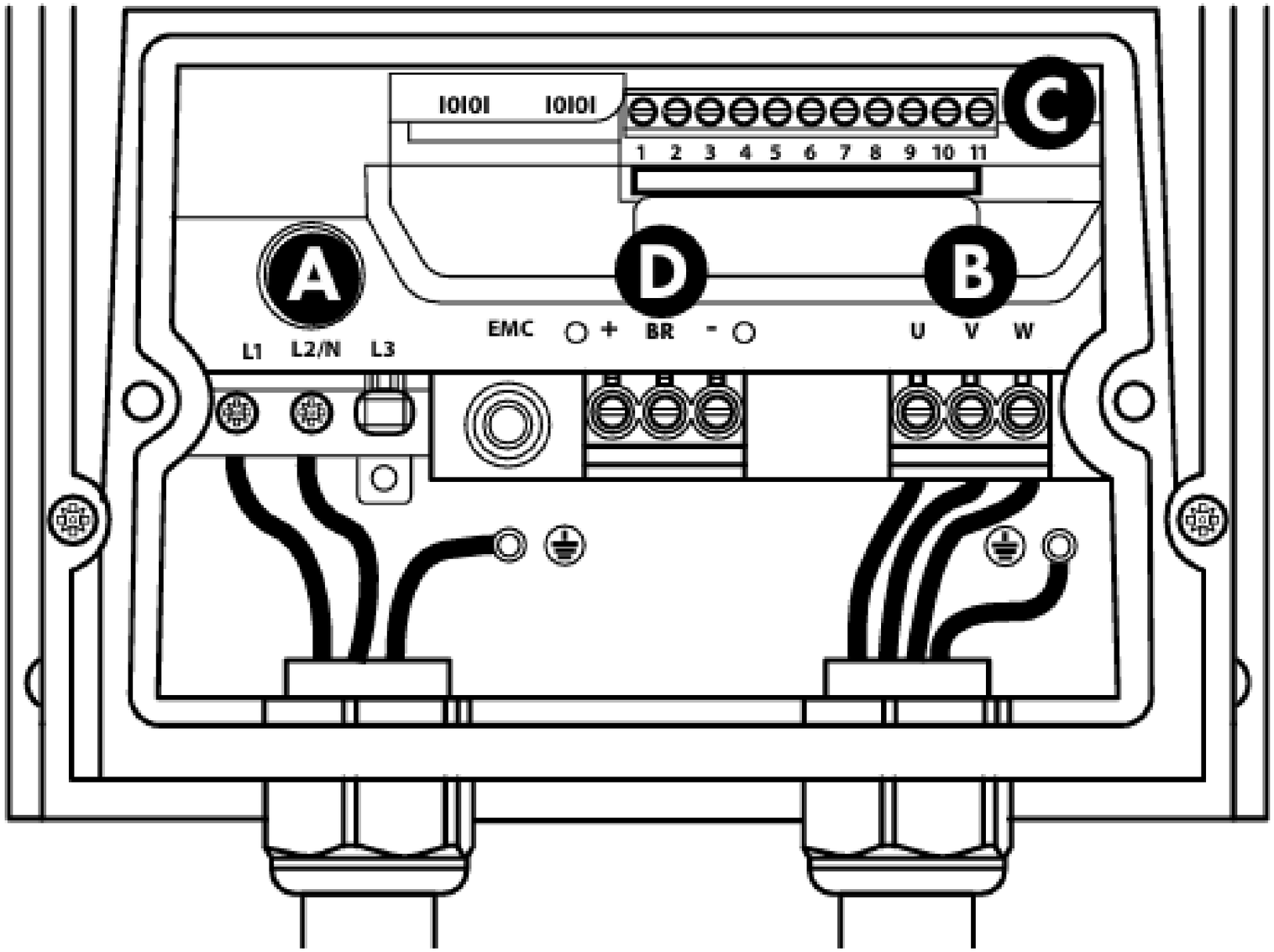
CR2042 Node 10 Wiring SiloStream



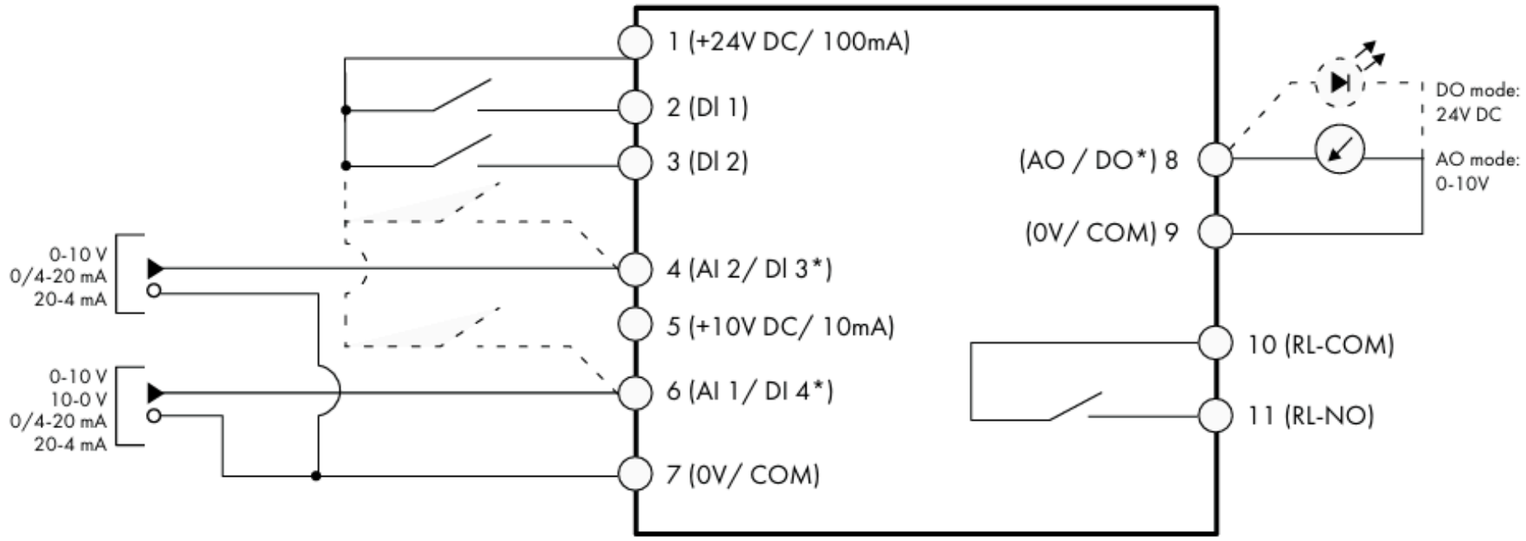
Revision	A00	Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	NODE10	Drawing Number 22
Date	28.01.2026							
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME				LOCATION NODE10	Page 22 from 28

Single phase supply





Revision	A00	Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	MAIN PUMP VSD- 1 PH	Drawing Number 23
Date	3.02.2026							LOCATION APPENDIX	Page 23 from 28
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						



NOTE

* Dashed lines shows connection for analog inputs and output in digital mode

Key			Default Function		Sec.
			Open	Closed	
1	+24V DC	24 Volt DC Output	On-board +24V DC Supply (100mA)		
2	DI 1	Digital Input 1 (Run Enable)	STOP	RUN	
3	DI 2	Digital Input 2	FORWARD	REVERSE	
4	AI 2 / DI 3	Analog Input 2 / Digital Input 3	AI1 Reference	Preset Speed 1 (P-20)	
5	+10V DC	+10Volt DC Output	On-board +10V DC Supply (10 mA)		
6	AI 1 / DI 4	Analog Input 1 / Digital Input 4	Speed Reference 1 (0-10V)		
7	0V / COM	0 Volt Common	0V Common for AI/AO/DI/DO		
8	AO	Analog Output	Motor Speed (0-10V)		
9	0V / COM	0 Volt Common	0V Common for AI/AO/DI/DO		
10	RL-COM	Relay Output Common	Drive Faulty	Drive Healthy	
11	RL-NO	Relay Output NO Contact			

NOTE

Digital Inputs: Logic High = 8-30V DC (30V DC max)
Analog Output: 0 – 10 Volt (20mA max)
Relay Output: 6A/250V AC, 5A/30V DC (resistive load)

110VAC - 1PH SUPPLY
FROM FARM

28.2
PWR

VSD MAIN BULKHEAD CONNECTION
FROM TS7 BOX

28.5
SPEED

GN/YL BN GY

BN BK BLU WH

Input: PE1 ⏚ | -DC | L1/L | L2/N | L3

I/O: 1 +24V DC | 2 DI 1 | 3 DI 2 | 4 DI 3 AI 2 | 5 +10V DC | 6 DI 4 AI 1 | 7 0V

Invertek Drives .com
Member of Sumitomo Drive Technologies

WARNING!
This is not a standard Ethernet connection.
Do not connect directly to Ethernet port.
See user manual for wiring diagram.

1	CAN -
2	CAN +
3	0 Volts
4	-RS485 (PC)
5	+RS485 (PC)
6	+24 Volt
7	-RS485 (Modbus RTU)
8	+RS485 (Modbus RTU)

RJ45: 1 2 3 4 5 6 7 8

I/O: 8 A0 | 9 0V | 10 RL1 | 11 RL2

Motor: PE ⏚ | +DC | BR | U | V | W

GN/YL BN BK GY

BN BK GY GN/YL

-M1
/28.2
BOW PELLER
MAIN PUMP

1 2 3 ⏚
7 8 9
4 5 6

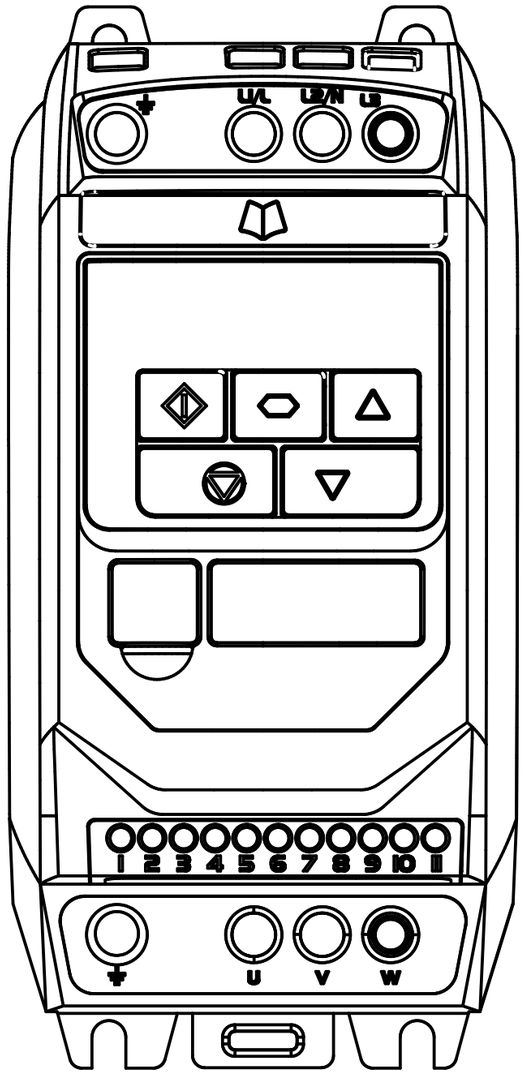
MOTOR CONNECTION DETAILS

BROWN - CORE 1&7
BLACK - CORE 2&8
GRAY - CORE 3&9

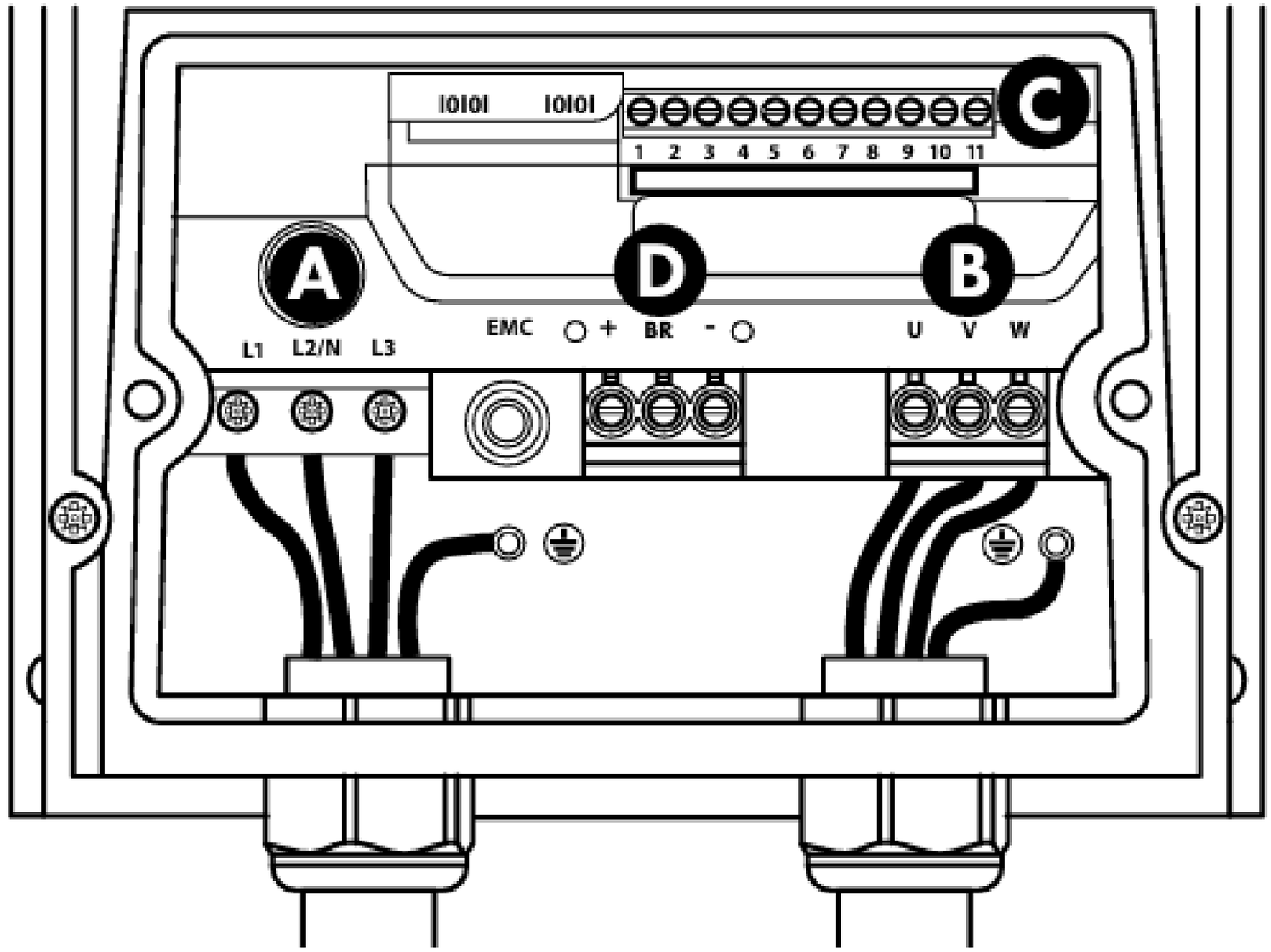
CORES 4,5,6 JOINED TOGETHER
EARTH WIRE TO FRAME OF MOTOR

PLEASE REFER TO MOTOR PLATE TO VERIFY THE CONNECTIONS

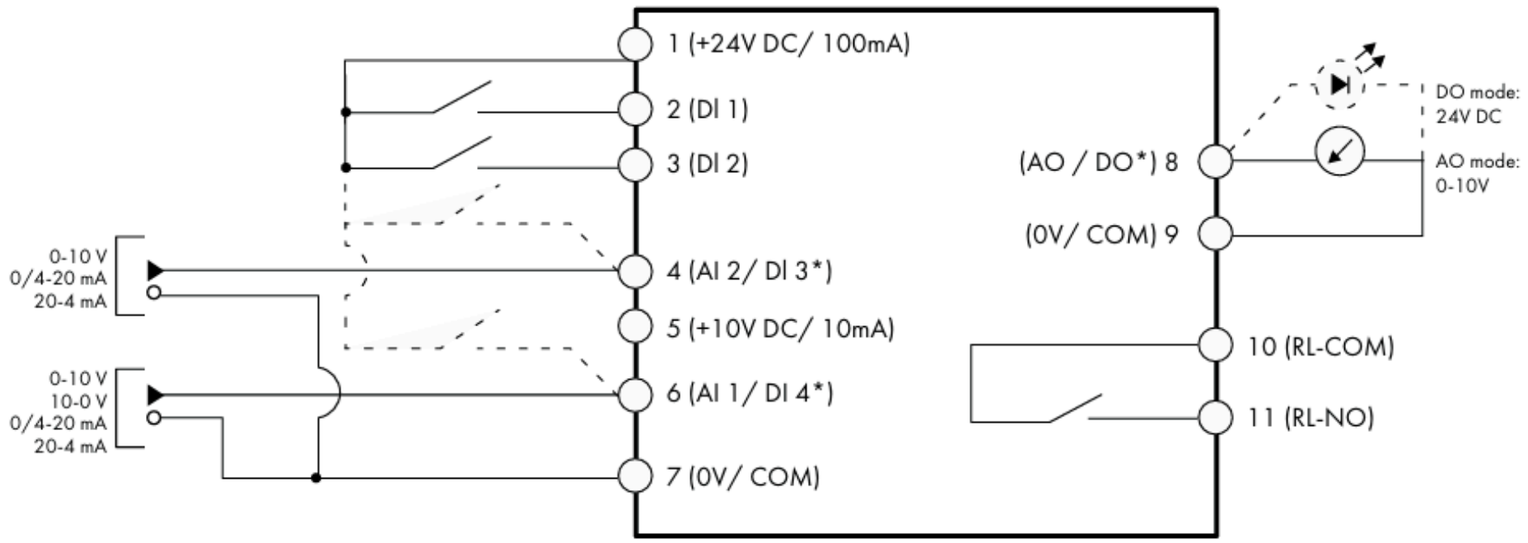
Revision	A00	Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	MAIN PUMP VSD CONNECTIONS - 1 PH LOCATION APPENDIX	Drawing Number 25 Page 25 from 28
Date	3.02.2026								
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						



3 phase supply



Revision	A00	Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	MAIN PUMP VSD- 3 PH LOCATION APPENDIX	Drawing Number 26 Page 26 from 28
Date	3.02.2026							
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME					



NOTE

* Dashed lines shows connection for analog inputs and output in digital mode

Key			Default Function		Sec.
			Open	Closed	
1	+24V DC	24 Volt DC Output	On-board +24V DC Supply (100mA)		
2	DI 1	Digital Input 1 (Run Enable)	STOP	RUN	
3	DI 2	Digital Input 2	FORWARD	REVERSE	
4	AI 2 / DI 3	Analog Input 2 / Digital Input 3	AI1 Reference	Preset Speed 1 (P-20)	
5	+10V DC	+10Volt DC Output	On-board +10V DC Supply (10 mA)		
6	AI 1 / DI 4	Analog Input 1 / Digital Input 4	Speed Reference 1 (0-10V)		
7	0V / COM	0 Volt Common	0V Common for AI/AO/DI/DO		
8	AO	Analog Output	Motor Speed (0-10V)		
9	0V / COM	0 Volt Common	0V Common for AI/AO/DI/DO		
10	RL-COM	Relay Output Common	Drive Faulty	Drive Healthy	
11	RL-NO	Relay Output NO Contact			

NOTE

Digital Inputs: Logic High = 8-30V DC (30V DC max)
Analog Output: 0 – 10 Volt (20mA max)
Relay Output: 6A/250V AC, 5A/30V DC (resistive load)

230VAC - 3PH SUPPLY
FROM FARM
25.2
PWR

GN/YL BN BK GY

VSD MAIN BULKHEAD CONNECTION
FROM TS7 BOX
25.5
SPEED

BN BK BLU WH

Input: PE1 ⏚ | -DC | L1/L | L2/N | L3

I/O: 1 +24V DC | 2 DI 1 | 3 DI 2 | 4 DI 3 AI 2 | 5 +10V DC | 6 DI 4 AI 1 | 7 0V

Invertek Drives.com
Member of Sumitomo Drive Technologies

WARNING!
This is not a standard Ethernet connection.
Do not connect directly to Ethernet port.
See user manual for wiring diagram.

1	CAN -
2	CAN +
3	0 Volts
4	-RS485 (PC)
5	+RS485 (PC)
6	+24 Volt
7	-RS485 (Modbus RTU)
8	+RS485 (Modbus RTU)

RJ45: 1 2 3 4 5 6 7 8

I/O: 8 A0 | 9 0V | 10 RL1 | 11 RL2

Motor: PE ⏚ | +DC | BR | U | V | W

GN/YL BN BK GY

BN BK GY GN/YL

-M1
/25.2
BOW PELLER
MAIN PUMP

1 2 3 ⏚
7 8 9
4 5 6

MOTOR CONNECTION DETAILS

BROWN - CORE 1&7
BLACK - CORE 2&8
GRAY - CORE 3&9

CORES 4,5,6 JOINED TOGETHER
EARTH WIRE TO FRAME OF MOTOR

PLEASE REFER TO MOTOR PLATE TO VERIFY THE CONNECTIONS

Revision	A00	Project name	SILOSTREAM V6.00	Job number	Connect Control Systems Manufacturing. T/A CCsystems Unit 9D Ardcavan Business Park, Wexford, Y35 +353 (0)539152829	PIPER EVERY PRECIOUS DROP	THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF PIPER SYSTEMS LTD. IT MAY NOT BE RE-PRODUCED IN WHOLE OR PART OR USED FOR MANUFACTURING PURPOSES WITHOUT PRIOR CONSENT FROM PIPER SYSTEMS LTD.	MAIN PUMP VSD CONNECTIONS - 3 PH LOCATION APPENDIX	Drawing Number 28 Page 28 from 28
Date	3.02.2026								
By	EPLAN	Project Desc.	PIPER SILOSTREAM V6 ELECTRICAL SCHEME						