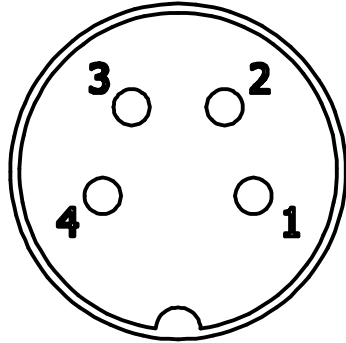


## E1 POWER: (4-PIN MALE)

(BINDER P/N: 09-0111-90-04)

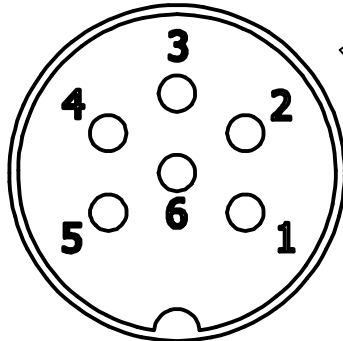
E1: Power	
Pin	Function
1	Reset
2	Earth
3	GND
4	+24 VDC



## E2 PROGRAMMING: RS-232 (6-PIN MALE)

(BINDER P/N: 09-0123-90-06)

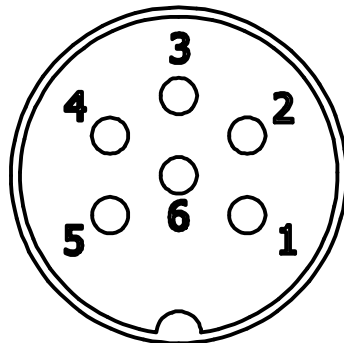
E2: PROGRAMMING R232	
Pin	Function
1	SERVO TMT
2	NC
3	NC
4	NC
5	SERVO RCV
6	GND



## E3 COMMUNICATION: "C" CAN2.0B (6-PIN MALE)

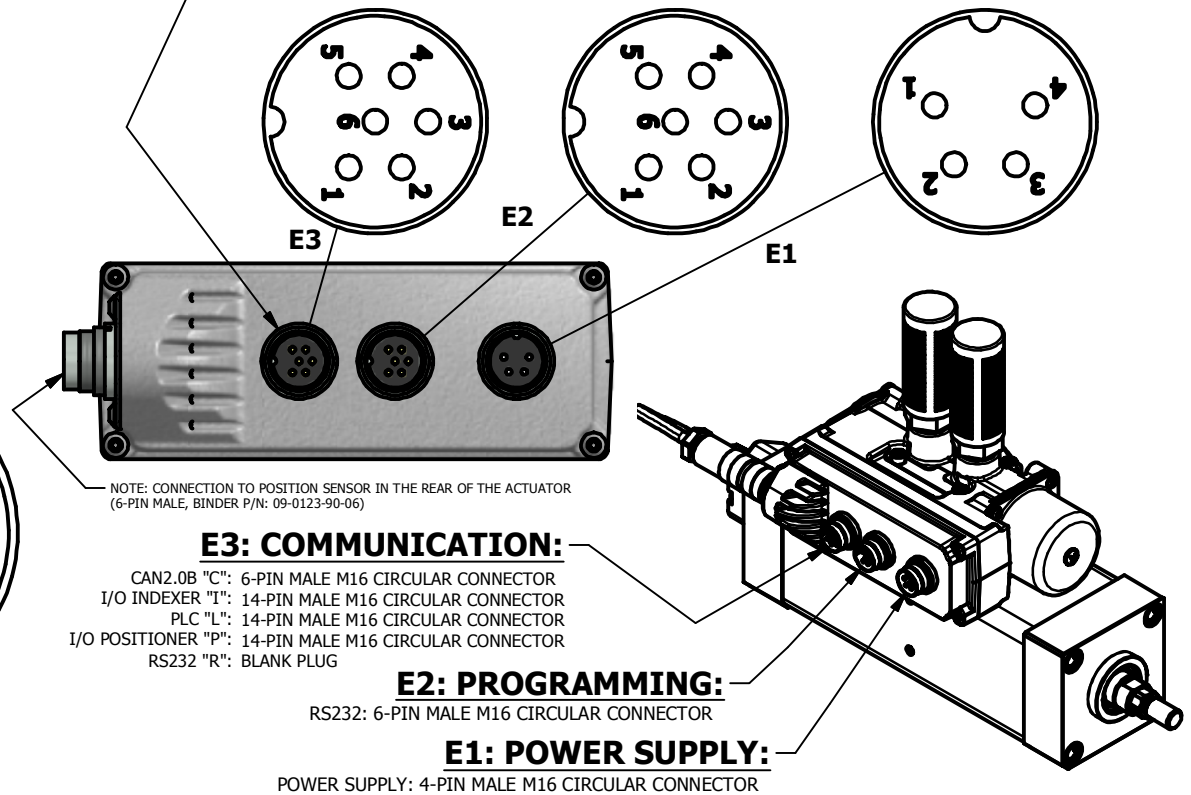
(BINDER P/N: 09-0123-90-06)

"C": CAN2.0B COMMUNICATION PROTOCOL	
Pin	Function
1	CAN L
2	NC
3	Termination Disable
4	NC
5	CAN H
6	GND



## ALL VIEWS ARE OF THE MALE CONNECTOR SHOWN

## E3 COMMUNICATION: "R" RS232 (BLANK PLUG )



NOTE: CONNECTION TO POSITION SENSOR IN THE REAR OF THE ACTUATOR  
(6-PIN MALE, BINDER P/N: 09-0123-90-06)

### E3: COMMUNICATION:

CAN2.0B "C": 6-PIN MALE M16 CIRCULAR CONNECTOR  
I/O INDEXER "I": 14-PIN MALE M16 CIRCULAR CONNECTOR  
PLC "L": 14-PIN MALE M16 CIRCULAR CONNECTOR  
I/O POSITIONER "P": 14-PIN MALE M16 CIRCULAR CONNECTOR  
RS232 "R": BLANK PLUG

### E2: PROGRAMMING:

RS232: 6-PIN MALE M16 CIRCULAR CONNECTOR

### E1: POWER SUPPLY:

POWER SUPPLY: 4-PIN MALE M16 CIRCULAR CONNECTOR

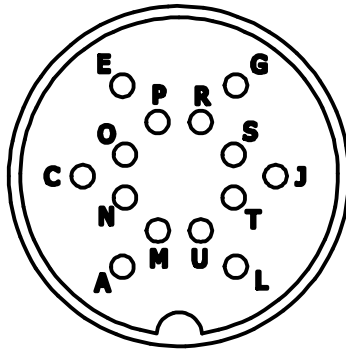
SPEC.	DESCRIPTION	Property of SUNSTREAM SCIENTIFIC INCORPORATED Not to be used, disclosed, or copied without written consent. To be returned with all copies upon completion of authorized use.	
		DRAWN BY:	DATE:
		PPE	02/14/13
		APPROVED BY:	DATE:
		MKK	02/14/13
		SCALE:	UNITS:
		N/A	N/A
		SIZE:	TITLE:
		A	ELECTRICAL CONNECTIONS PSA
SPECIFICATION NOTES: PINOUT VIEWS ARE LOOKING INTO THE CONNECTORS ON THE SUNSTREAM CONTROLLER		SHEET:	DRAWING NUMBER:
DRAWING PER ASME Y14.5N-1994		1 OF 2	EC-01
DO NOT SCALE DRAWING: TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 2 PLACES (0.00) +/-0.010 3 PLACES (0.000) +/-0.005 ANGLE +/-2 DEGREES		REVISION:	5
THIRD ANGLE PROJECTION			



## E3 COMMUNICATION: "L" PLC (14-PIN MALE)

(BINDER P/N: 09-0453-90-14)

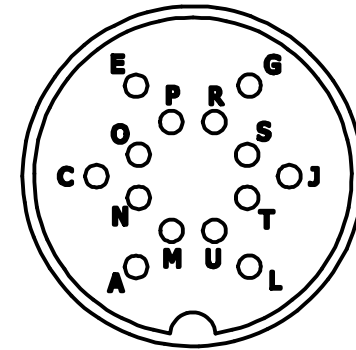
"L": PLC COMMUNICATION PROTOCOL		
Pin	Logic Des.	Function
O	Input 0	Bit 0 of prg code
N	Input 1	Bit 1 of prg code
A	Input 2	Enable
M	Input 3	General Input
U	Input 4	General Input
L	Input 5	General Input
T	Input 6	General Input
S	Input 7	General Input
E	Output 0	General Output
P	Output 1	General Output
R	Output 2	General Output
G	Output 3	Diagnostic
C	N/A	PWR
J	N/A	GND



## E3 COMMUNICATION: "P" I/O POSITIONER (14-PIN MALE)

(BINDER P/N: 09-0453-90-14)

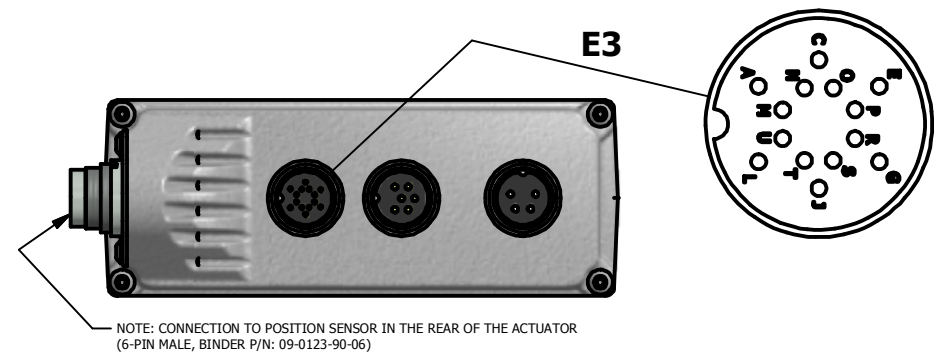
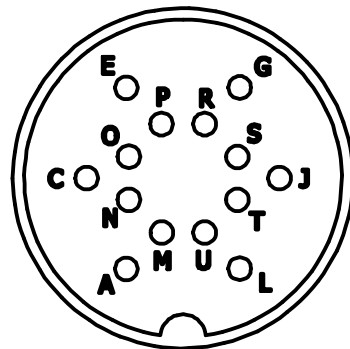
"P": I/O POSITION COMMUNICATION PROTOCOL		
Pin	Logic Des.	Function
O	Input 0	Bit 0 of pos. input
P	Input 1	Bit 1 of pos. input
R	Input 2	Bit 2 of pos. input
S	Input 3	Bit 3 of pos. input
N	Input 4	Bit 4 of pos. input
M	Input 5	Bit 5 of pos input
U	Input 6	Bit 6 of pos. input
T	Input 7	N/c
A	Input 8	Trigger
L	Input 9	Enable
E	Output 0	Status
G	Output 1	Diagnostic
C	N/A	PWR
J	N/A	GND



## E3 COMMUNICATION: "I" I/O INDEXER (14-PIN MALE)

(BINDER P/N: 09-0453-90-14)

"I": I/O INDEXER COMMUNICATION PROTOCOL		
Pin	Logic Des.	Function
O	Input 0	Bit 0 of prg line
P	Input 1	Bit 1 of prg line
R	Input 2	Bit 2 of prg line
S	Input 3	Bit 3 of prg line
N	Input 4	Bit 4 of prg line
M	Input 5	Bit 5 of prg line
U	Input 6	Bit 0 of prg #
T	Input 7	Bit 1 of prg #
A	Input 8	Trigger
L	Input 9	Enable
E	Output 0	Status
G	Output 1	Diagnostic
C	N/A	PWR
J	N/A	GND



**ALL VIEWS ARE OF THE  
MALE CONNECTOR SHOWN**

SPEC.		DESCRIPTION		Property of SUNSTREAM SCIENTIFIC INCORPORATED Not to be used, disclosed, or copied without written consent. To be returned with all copies upon completion of authorized use.	
				DRAWN BY: PPE	DATE: SEE PAGE 1
				APPROVED BY: MKK	DATE: SEE PAGE 1
				SCALE: N/A	UNITS: N/A
SPECIFICATION NOTES:				SIZE: A	TITLE: ELECTRICAL CONNECTIONS PSA
DRAWING PER ASME Y14.5N-1994		DO NOT SCALE DRAWING:		SHEET: 2 OF 2	DRAWING NUMBER: EC-01
TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 2 PLACES (0.00) +/-0.010 3 PLACES (0.000) +/-0.005 ANGLE +/-2 DEGREES				REVISION: 5	

