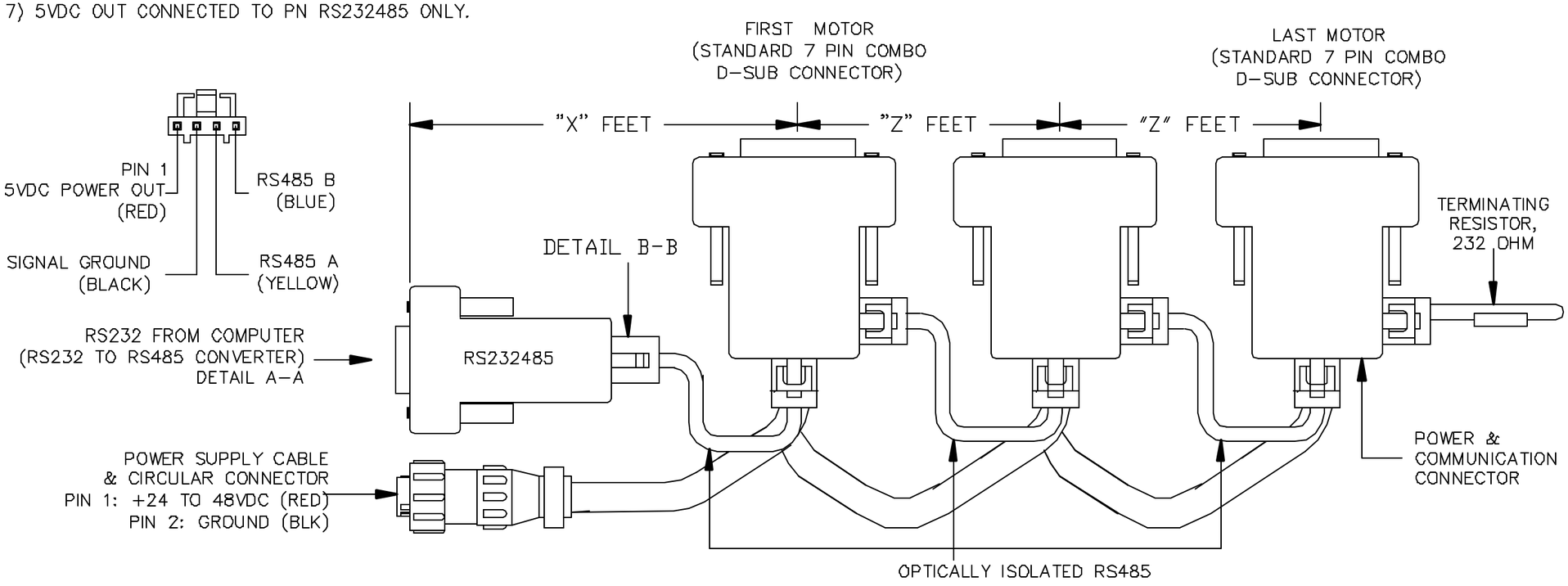
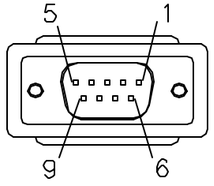
PART NO.
CBLSM2-X-Y-Z

PART REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
	1	PRODUCTION RELEASE	2/7/00	
	2	REVISED TITLE BLOCK	1/4/02	
	3	ADD DETAIL A-A	6/5/03	
	4	REVISE DB9 PINOUT	02/19/04	

NOTES:
1) ASSEMBLY IS A SMARTMOTOR MULTI-DROP OPTICALLY ISOLATED RS485 PARALLEL COMMUNICATION AND POWER CABLE. INCLUDES A RS232485 CONVERTER AND TERMINATING RESISTOR.
2) PART NUMBER IS CLBSM2-X-Y-Z
   WHERE X=CABLE LENGTH [FEET] FROM FIRST MOTOR TO COMPUTER.
   THE CABLE LENGTH FROM FIRST MOTOR TO POWER SUPPLY.
   Y=NUMBER OF MOTORS.
   Z=CABLE LENGTH [FEET] BETWEEN MOTORS.
   LENGTHS ARE SAME FOR ALL MOTORS, UNLESS SPECIFIED.
3) COMMUNICATION CABLES & TERMINATING RESISTOR HAVE SNAP-IN CONNECTORS.
4) MOTOR CONNECTOR CONVERTS RS485 TO RS232 AT THE SMARTMOTOR AND USES I/O PIN G AS DATA DIRECTION FLOW CONTROL LINE ON SMARTMOTOR CONNECTOR1, CN1, ALSO REFERRED TO AS CHANNEL ZERO .
5) TO USE THE CABLE, ADDRESS THE MOTORS INDIVIDUALLY OR PROGRAM ADDRESS INTO MEMORY. AND OPEN CHANNEL ZERO BY ISSUING THE OPEN CHANNEL COMMAND "OCHN(RS4,0,N,9600,1,8,C)" OR "RS4".
6) CABLE TIES NOT SHOWN FOR CLARITY.
7) 5VDC OUT CONNECTED TO PN RS232485 ONLY.





DETAIL A-A

PIN#	DESCRIPTION	COLOR
2	RS232 RX (COMPUTER)	BLUE
3	RS232 TX (COMPUTER)	YELLOW
5	SIGNAL GROUND	BLACK

ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

PARTS LIST

UNLESS OTHERWISE SPECIFIED,DIMENSIONS & TOLERANCES ARE PER ANSI Y14.5M AND ARE IN INCHES. TOLERANCES ARE AS FOLLOWS:
DECIMALS .XX± .XXX± ANGLES ±
MATERIAL
FINISH

THIRD ANGLE PROJECTION

APPROVALS	DATE
DRAWN TC	1/2/01
CHECKED	
ENGINEER	

SCALE NOT TO SCALE

ANIMATICS

TITLE CABLE ASSY,ISOLATED RS485 MULTI-DROP

SIZE		PART NO.	REV
B	COMPUTER GENERATED DRAWING	CBLSM2-X-Y-Z	4

SIMILIAR TO:	CAD FILE NAME	SHEET
	CBLSM2-X-Y-Z_MAIN	1 OF 1