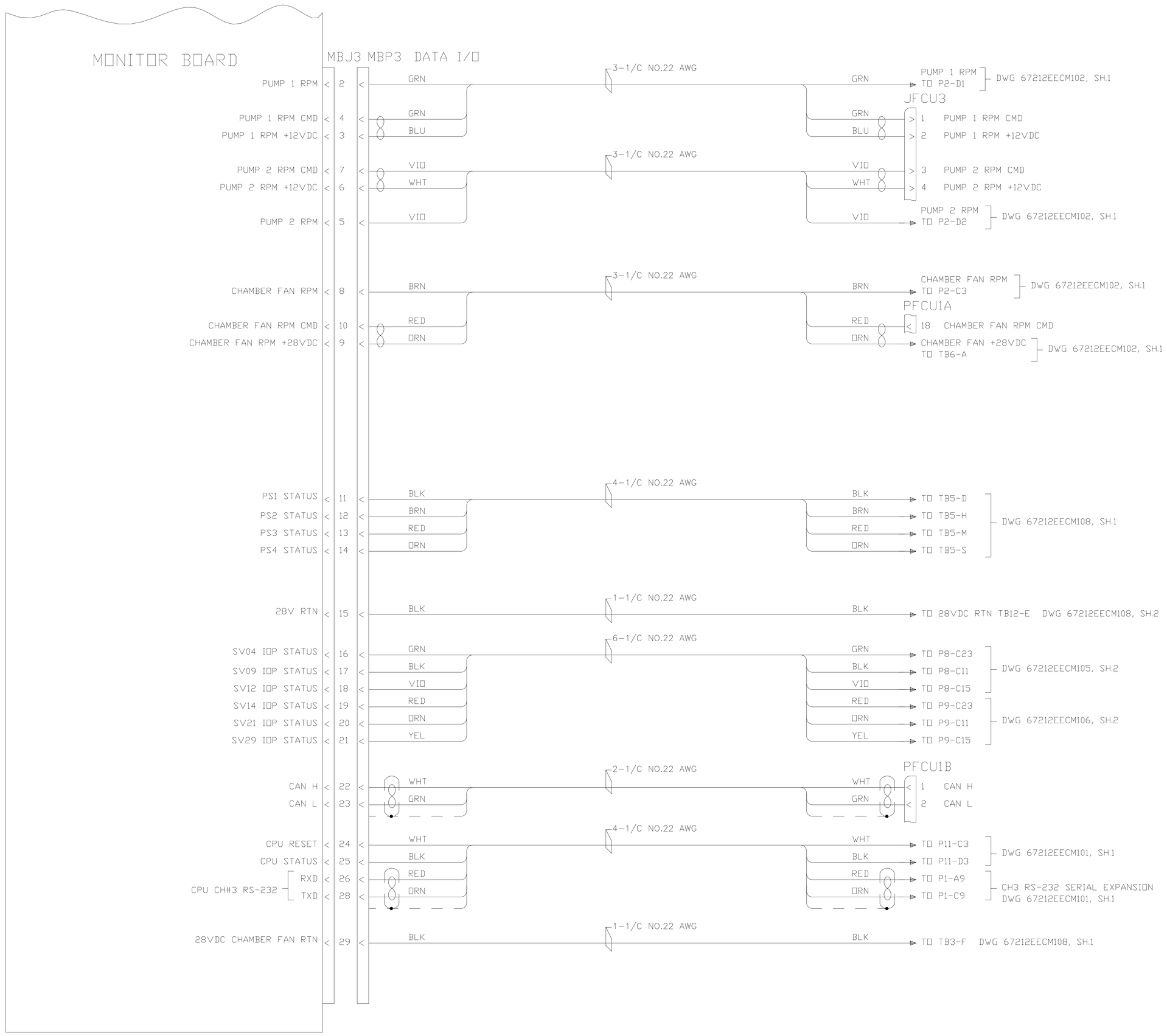

MATERIAL BLOCK

SYMBOL	MANUFACTURE TYPE	MIL-NO.
PFCU1A	RADIALL DSXN3P -S106S-S106S -S26P-0001	
PFCU1A 22AWG SOCKETS	RADIALL M39029/ 12-148	
PFCU1B	RADIALL DSXN3P -S106S-S106S -S26P-0001	
PFCU1B 22AWG SOCKETS	RADIALL M39029/ 12-148	
22AWG CRIMPER	RADIALL 282281	M22520/2-01
22AWG POSITIONER	RADIALL 282970	M22520/2-23
JFCU3	DEUTSCH D38999/ 24FD35PN	MIL-C-38999 SERIES 3
JFCU3 PINS	M39029/ 58-360	MIL-C-39029/58
D38999 CRIMPER	22520/2-01	
D38999 PIN POSITIONER	M22520/2-09	
MBP3	POSITRONICS DDD44M000E20	
MBP3 PINS	POSITRONICS MC8122D	
CRIMP TOOL	M22520/2-01	
22AWG PIN POSITIONER	K42	
MBJ3	POSITRONICS DDD44F300T20	
NO.22 AWG WIRE	W22759/12 ** - *	MIL-W-22759/12

CABLE TIES SHALL BE IN ACCORDANCE WITH NSTS 22648 FOR FLAMMABILITY AND OUTGASSING REQUIREMENTS.

MOUNTING CLAMPS SHALL BE PANDUIT NO.MBMS-S10-C,AL SHEET PER FED SPEC QQ-A-250/2,3003 H0144 OR FABRICATED TO AL SHEET PER FED SPEC QQ-A-250/11,6061 T6.

* COLORS AS REQUIRED.

1. FOR SCHEDULE OF DRAWINGS, SEE DRAWING NO. 67212EEAA000
2. FOR ASSEMBLY DRAWING, SEE DRAWING NO. 67212MELMTBD
3. FABRICATE INTERCONNECTION CABLE, HARNESSING, AND WIRING PER NASA-STD-8739.4.
4. CRIMP CONNECTIONS PER NASA-STD-8739.4 OR APPROVED EQUIVALENT.
5. ALL CABLES AND HARNESSES SHALL BE INSPECTED AND TESTED PRIOR TO CONNECTION PER TBD AND NASA-STD-8739.4.
6. CABLES SHALL BE IDENTIFIED PER NASA-STD -8739.4 AT EACH CONNECTOR AND AT 50mm INTERVALS ALONG THE CABLE.
7. FOR CONNECTORS WITH BACKSHELLS, TERMINATE SHIELDS IN BACKSHELLS PER NASA-STD-8739.4.
8. FOR CONNECTORS WITHOUT BACKSHELLS, TERMINATE SHIELDS USING COLLECTOR/ COMPRESSION RINGS PER NASA-STD-8739.4.
9. CABLES SHALL BE ROUTED AND SECURED PER NASA-STD-8739.4. USE PANDUIT TY-DOWN PADS AND HALAR (P/N PLT2$-C702) CABLE TIES FOR SECURING CABLES AT INTERVALS NOT EXCEEDING 150mm. PANDUIT TY-DOWN PADS SHALL BE SECURED IN PLACE USING SCOTCH 4930 DOUBLE COATED ACRYLIC FOAM AND A BEAD OF SCOTCHWELD 2216 AROUND THE PERIMETER OF THE PANDUIT TY-DOWN PAD.
10. USE CRIMPER (PART# 282281) WITH POSITIONER FOR SOCKETS (PART# 282970) TO CRIMP CONTACTS TO CONNECTORS (PFCU1A,PFCU1B). USE CRIMPER (PART#22520/2-01) WITH POSITIONER FOR PINS (PART#M22520/2-09) TO CRIMP CONTACTS TO CONNECTOR (JFCU3). USE CRIMPER (PART#M22520/2-01) WITH POSITIONER FOR PINS (PART#K42) TO CRIMP CONTACTS TO CONNECTOR (MBP3).

AUTHORIZED by CM when under FORMAL Configuration Control

CHG	ZONE	DESCRIPTION	APP/DATE

REVISIONS

PROJECT CIR

ANALEX

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES

TOLERENCE ON	
X	+/-
XX	+/-
XXX	+/-
FRACTION	+/-
ANGULAR	+/-
SOFTWARE: AUTOCAD 2000	

National Aeronautics and Space Administration
John H. Glenn Research Center
Lewis Field
Cleveland, Ohio
CONTRACT NUMBER: NAS3-99155

APPROVALS

PROJECT LEAD	ANALEX/MD'TOOLE	
ELECTRICAL LEAD	ANALEX/S.LAWYER	
ELECTRICAL ENGINEER	ANALEX/M.DOMO	
CHECKER	X	
DESIGNER	ANALEX/A.JOHNSON	
MAT'L PROC.	X	
CONFIG. MGT	X	

FILE NAME: 67212EECM139-2.DWG

FDC FEDERAL DATA CORPORATION

DRAWING NAME
MONITOR BOARD
INTERCONNECTION DIAGRAM

FLUIDS COMBUSTION FACILITY

SIZE	CAGE CODE	DRAWING NUMBER	REV.
E	X	67212EECM139	1

SCALE: NONE | RELEASE DATE 10/19/00 | SHEET 2 OF 2