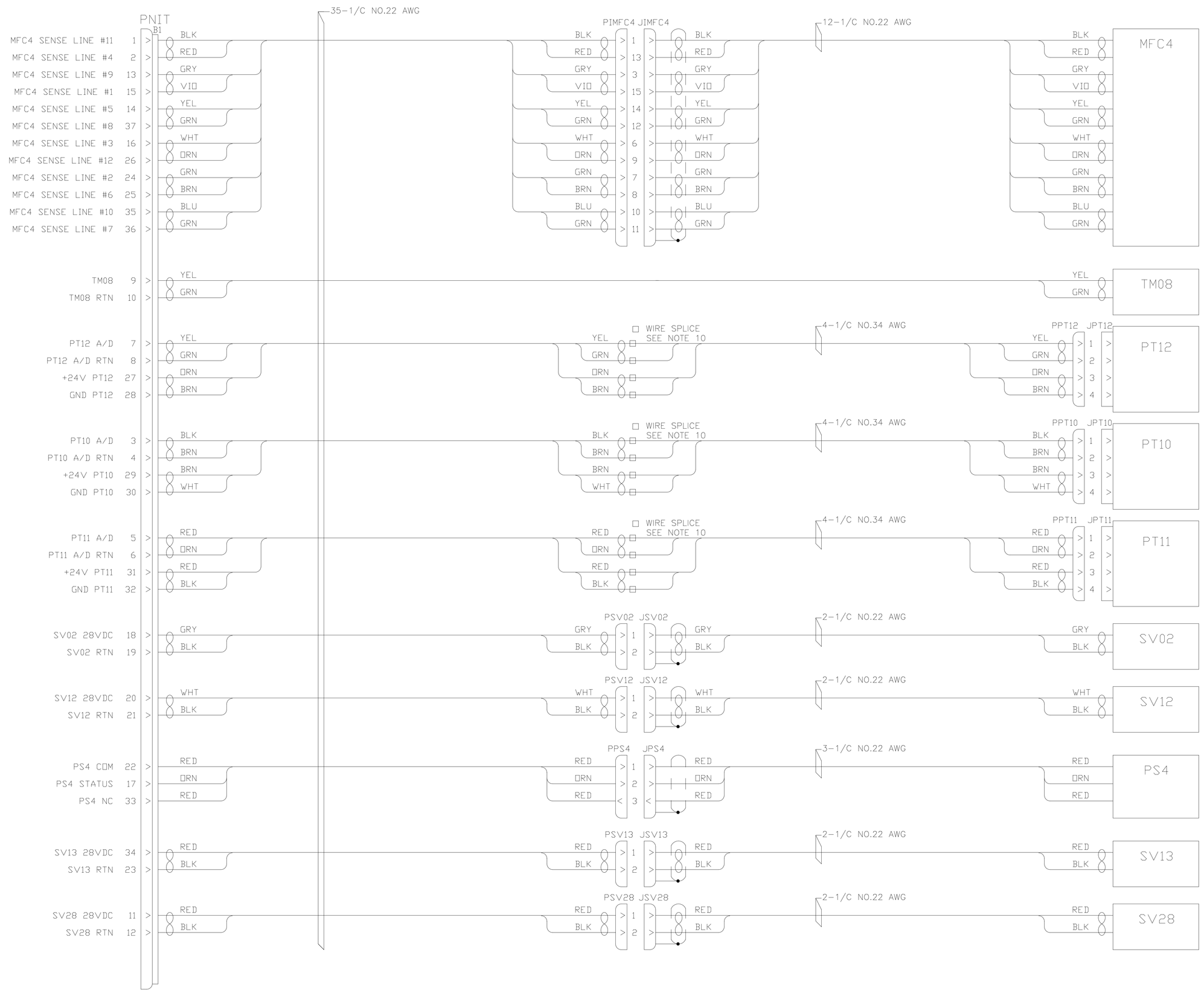

MATERIAL BLOCK		
SYMBOL	MANUFACTURE TYPE	MIL-NO.
PNIT	D38999-26FD35SD	MIL-C-38999 SERIES 3
PNIT SOCKETS	M39029/56-348	MIL-C-39029/56
B1 BACKSHELL	GLENAIR 380 HA009M1504F	
CRIMPER	22520/2-01	
SOCKET POSITIONER	M22520/2-07	
PIMFC4	AIRBORN MQ212015113 44-00050	
JIMFC4	AIRBORN MS262015435-2205	
PPT10 S/N T98419	MICROTECH ECS-4MB10*	
PPT11 S/N T98418	MICROTECH ECS-4MB10*	
PPT12 S/N Q99337	MICROTECH ECS-4MB10*	
JPT10 JPT11 JPT12	MICROTECH EPXM N73	
PSV02	LEMO FGD0B 303CLCD42Z	
JSV02	LEMO PKD0B 303CLMD42Z	
PSV12	LEMO FGB0B 303CLCD42Z	
JSV12	LEMO PKB0B 303CLMD42Z	
PSV13	LEMO FGG0B 303CLCD42Z	
JSV13	LEMO PKG0B 303CLMD42Z	
PSV28	LEMO FGA0B 303CLCD42Z	
JSV28	LEMO PKA0B 303CLMD42Z	
PPS4	LEMO FGC0B 303CLCD42Z	
JPS4	LEMO PKC0B 303CLMD42Z	
LEMO CRIMPER	LEMO M22520/7-01	
LEMO PIN POSITIONER	LEMO DCE.91.090.BVC	
LEMO SOCKET POSITIONER	LEMO LEMO DCE.91.090.BVM	
NO.34 AWG WIRE	W22759/11 ** - *	MIL-W-22759/11
NO.22 AWG WIRE	W22759/11 ** - *	MIL-W-22759/11

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.
** WIRE AWG INDICATED.

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. SPLICE #22 WIRE INTO #34 WIRE PER NASA-STD-8739.4, SOLDERED ELECTRICAL CONNECTION WITH VITON OR SIMULAR APPROVED HEAT SHRINK TUBING.
11. USE CRIMPER (PART# 22520/2-01) WITH POSITIONER (PART# M22520/2-07) TO CRIMP CONTACTS TO CONNECTOR (PNIT). USE LEMO CRIMP TOOL WITH LEMO POSITIONER TO CRIMP CONTACTS TO CONNECTORS (PSV02, JSV02, PSV12, JSV12, PSV13, JSV13, PSV28, JSV28, PPS4, JPS4).

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'TODLE		
ELECTRICAL LEAD	ANALEX/SLAWYER		
ELECTRICAL ENGINEER	ANALEX/MDOMO		
CHECKER	X		
DESIGNER	ANALEX/AJOHNSON		
MAT'L PROC.	X		
CONFIG. MGT	X		

FILE NAME: 67212EECM126.DWG

FDC FEDERAL DATA CORPORATION

DRAWING NAME
NITROGEN MANIFOLD INTERCONNECTION DIAGRAM

FLUIDS COMBUSTION FACILITY

SIZE	CAGE CODE	DRAWING NUMBER	REV.
E	X	67212EECM126	1

SCALE: NONE | RELEASE DATE 10/18/00 | SHEET 1 OF 1