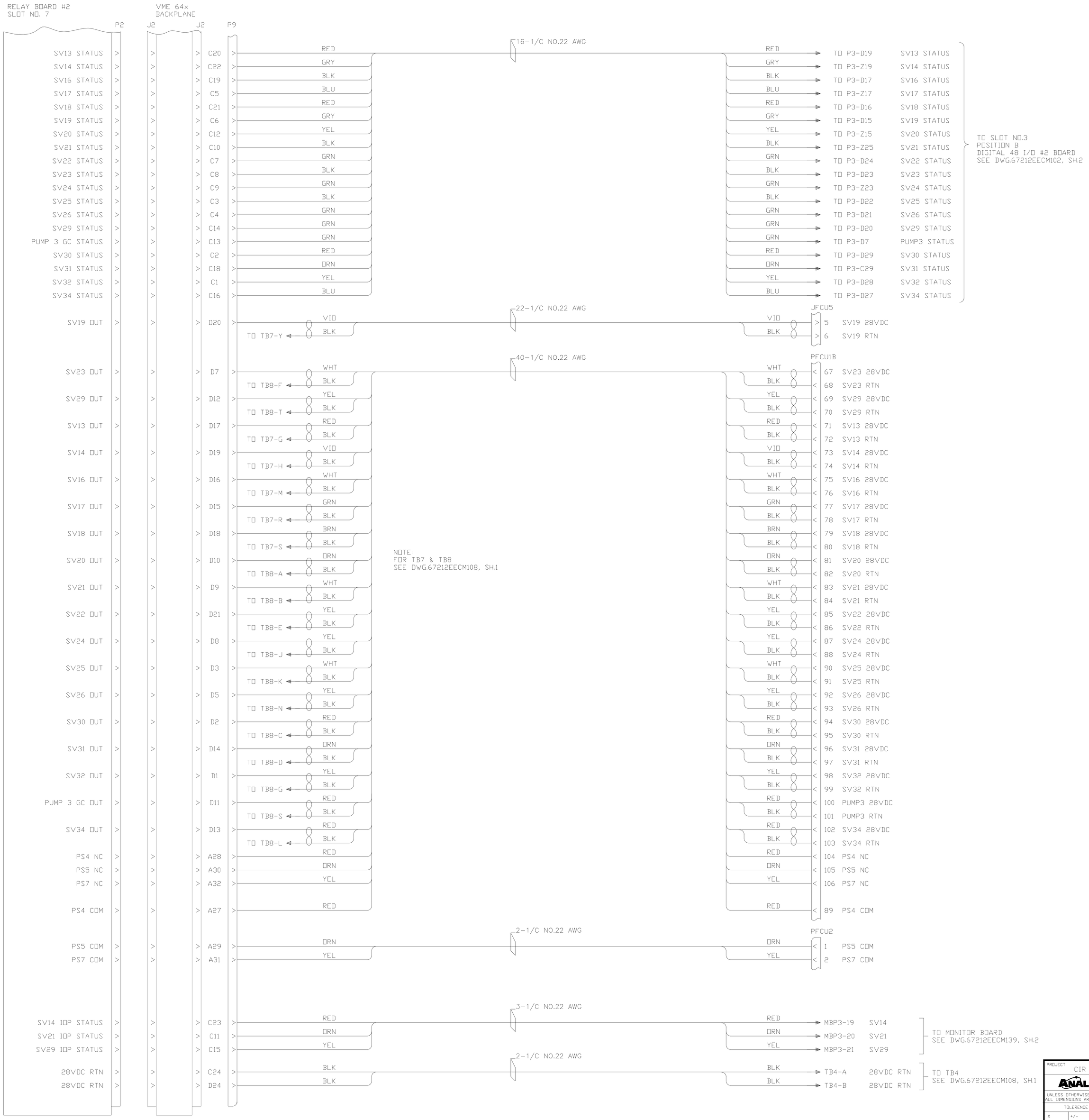


MATERIAL BLOCK

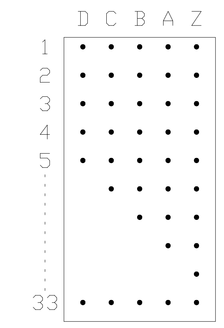
SYMBOL	MANUFACTURE TYPE	MIL-NO.
P9	ERNI 024070	
P9 CRIMP CONTACTS	ERNI 014729	
CRIMPER	ERNI 014374	
EXTRACTION TOOL	ERNI 471555	
PFCU1B	RADIALL DSXN3P -S106S-S106S -S26P-0001	
PFCU1B SOCKETS	RADIALL M39029/12 -148	
JFCU2	RADIALL DSXNIP -S106S-0001	
JFCU2 PINS	RADIALL M39029/11 -144	
CRIMPER	RADIALL 282281	M22520/2-01
22AWG POSITIONER	RADIALL 282970	M22520/2-23
JFCU5	DEUTSCH D38999/ 24FD35PA	MIL-C-38999 SERIES III
JFCU5 PINS	M39029/58 -360	MIL-C-39029/58
CRIMPER	22520/2-01	
PIN POSITIONER	M22520/2-09	
NO.22 AWG WIRE	W22759/12 ** - *	MIL-W-22759/12

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

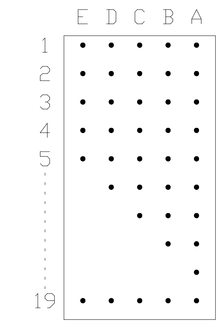
MOUNTING CLAMPS SHALL BE PANDUIT NO.MBMS-S10-C,AL SHEET PER FED SPEC QQ-A-250/2,3003 H0144 OR FABRICATED TO AL SHEET PER FED SPEC QQ-A-250/11,6061 T6.

* COLORS AS REQUIRED.
** 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. P2 CONNECTOR ORIENTATION AS VIEWED FROM THE BACK OF THE BACKPLANE:



11. P0 CONNECTOR ORIENTATION AS VIEWED FROM THE BACK OF THE BACKPLANE:



12. USE CRIMPER (PART #014729) TO CRIMP CONTACT TO CONNECTOR (P8).
USE CRIMPER (PART #282281) WITH POSITIONER (PART #282970) TO CRIMP 22AWG CONTACTS TO CONNECTORS (PFCU1B, JFCU2).
USE CRIMPER (PART #22520/2-01) WITH PIN POSITIONER (PART #M22520/2-09) TO CRIMP CONTACTS TO CONNECTOR (JFCU5).

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 R14		

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

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

FILE NAME: 67212EECM106-2.DWG

FDC FEDERAL DATA CORPORATION

DRAWING NAME
RELAY BOARD #2 SLOT NO.7
FCU INTERCONNECTION DIAGRAM

FLUIDS COMBUSTION FACILITY

SIZE	CAGE CODE	DRAWING NUMBER	REV.
E	X	67212EECM106	1

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