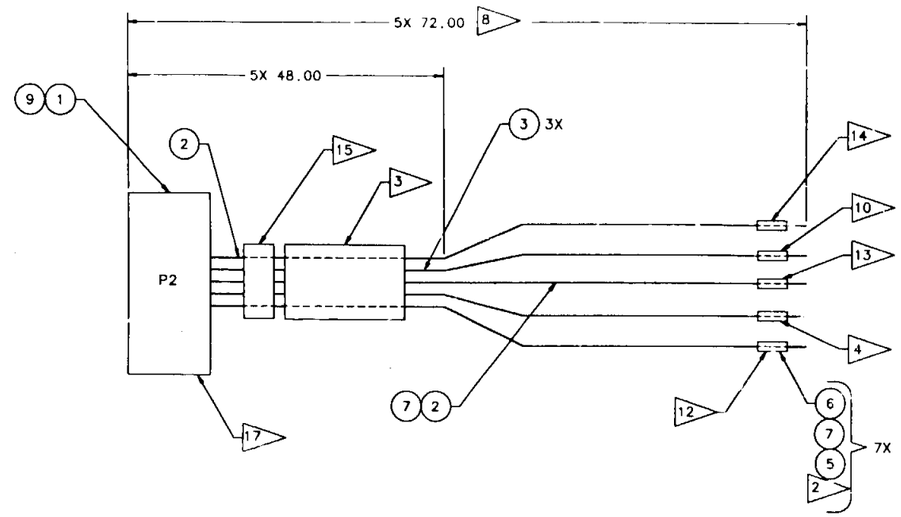


17 WRAP CONNECTOR WITH 2 TURNS OF GLASS CLOTH TAPE (ITEM 7).

16 TWIST EACH GROUP OF WIRES TOGETHER.

15 MARK LABEL " P2 MATES WITH J2 ".

14 MARK LABEL " 3.3 RTN ".

13 MARK LABEL " -5V RTN ".

12 MARK LABEL " -12V RTN ".

11 BRADY CO, MILWAUKEE, WI.

10 MARK LABEL " +5VRTN ".

9 PANDUIT CORP, TINLEY PARK, IL.

8 USE CABLE TIES EVERY 3 INCHES AS NEEDED.

7 STRIP WIRE BACK ONE INCH.
SOLDER WIRES TOGETHER AFTER THIS PROCEDURE IS DONE.
SEE SCHEMATIC. OUTSIDE DIAMETER MUST BE LESS THAN .25".

6 MATERIAL: AL ALY. ELECTROLESS NICKEL FINISH.

5 3M CORP, SAINT PAUL, MN.

4 MARK LABEL " +12V RTN ".

3 MARK LABEL "VEG POWER SUPPLY OUTPUT (RTN)
SEG38114998-301 SERNO 1XXX.

2 TYPE LABEL IDENTIFICATION AS SHOWN USING BRADY MARKER XC PLUS PRINTER AND (ITEM 5) ROLL FILM FOR CABLE MARKING, AT THE DESIRED LOCATION WRAP CABLE 2-3 TIMES WITH (ITEM 7) GLASS CLOTH TAPE PLACE (ITEM 5) ROLL FILM ON (ITEM 7) GLASS CLOTH TAPE WITH MARKINGS SHOWING AND WRAP TWICE WITH (ITEM 6) CLEAR TAPE. CUT OFF ANY EXCESS MATERIAL.

1 ITT CANNON, SANTA ANA, CA.

NOTES:

5. ALL DIMENSIONS ARE IN INCHES.
4. FABRICATE & TEST IN ACCORDANCE WITH LS-60035.
3. SOLDER PER NAS 5300.4 (3A-2).
2. THIS ASSEMBLY CONTAINS NO FRACTURE CRITICAL ELEMENTS.
1. INTERPRET PER JSCM 8500.

NOTES: UNLESS OTHERWISE SPECIFIED.

AR	M23053/8-003-C	HEAT SHRINK TUBING	PVDF	MIL-I-23053	11
AR	M23053/8-002-C	HEAT SHRINK TUBING	PVDF	MIL-I-23053	10
7	DM53745-8	CONNECTOR PIN		1	9
AR	63/37025P3	SOLDER		QQ-S-571	8
AR	361-1	GLASS CLOTH TAPE		5	7
AR	80u	TAPE, CLEAR	TEFLON	5	6
AR	WRCM-717-637W	CABLE MARKER,	TEDLAR ROLL FILM	11	5
100	PLT1M-C76	CABLE TIES		9	4
125 FT	M22759/11-20-0	WIRE, STRANDED	20 AWG BLACK	MIL-W-22759	3
50 FT	M22759/11-18-0	WIRE, STRANDED	18 AWG BLACK	MIL-W-22759	2
1	DDM24W7PK87	CONNECTOR		6 1	1
-	-301	CABLE ASSEMBLY			
-301	PART NUMBER	DESCRIPTION	MATERIAL	SPECIFICATION	ITEM

DIMENSIONAL TOLERANCE UNLESS NOTED OTHERWISE .0 ± .1 .00 ± .010 .00 ± .03 ANGULAR ±
SURFACE FINISH IN MICROINCHES RMS UNLESS NOTED OTHERWISE
NEXT ASSY NA

SIGNATURES	DATE
DR C. SHANNON	5/8/97
ENG	7/11/97
CH	7/9/97
APP	7/9/97
QE	7/22/97
MATL	7/10/97
STRESS	7/17/97
AUTH	7/17/97

NATIONAL AERONAUTICS & SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER HOUSTON, TEXAS

TEST CABLE ASSEMBLY
VEG POWER SUPPLY OUTPUT (RTN)

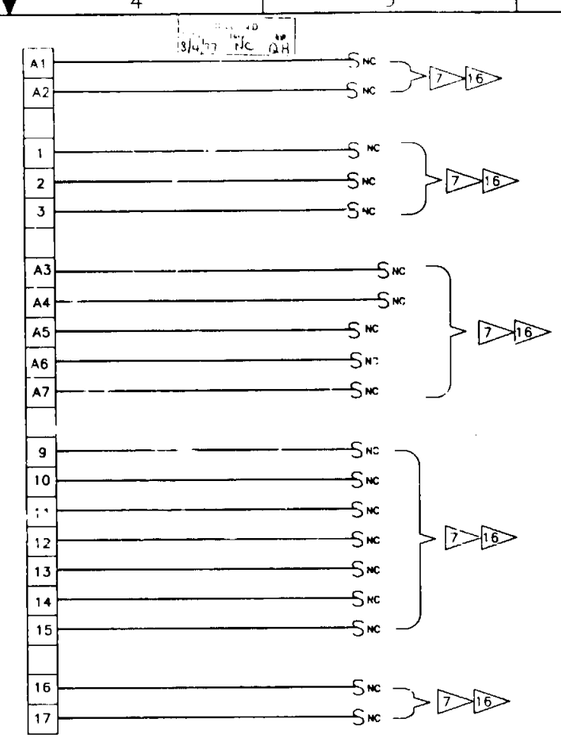
CODE IDENT NO 21356 | SIZE D | DWG NO. SEG38114998
SCALE NONE | SE PROJECT J104 | SHEET 1 OF 2

CALC WT:
PROJECT: J104-HRF-VEG
LIBRARY: NON-ASC DWGS
NAME: 38114998.dwg
EQUIP TYPE
FLT HDW
OTHER (SPECIFY)
APPLICABLE GSE

300

WIRE DATA LIST

SET	FUNCTION	FROM	PIN	TO	WIRE AWG	LENGTH	NOTES
A1	+3.3 RTN LOAD	P2	A1	+3.3 RTN	M22759/11-18-0	6 FT	7 14
A2	+3.3 RTN LOAD	P2	A2	+3.3 RTN	M22759/11-18-0	6 FT	
A3	+5 RTN LOAD	P2	A3	+5 RTN	M22759/11-18-0	6 FT	
A4	+5 RTN LOAD	P2	A4	+5 RTN	M22759/11-18-0	6 FT	
A5	+5 RTN LOAD	P2	A5	+5 RTN	M22759/11-18-0	6 FT	7 10
A6	+5 RTN LOAD	P2	A6	+5 RTN	M22759/11-18-0	6 FT	
A7	+5 RTN LOAD	P2	A7	+5 RTN	M22759/11-18-0	6 FT	
1	-5 RTN LOAD	P2	1	-5V RTN	M22759/11-20-0	6 FT	
2	-5 RTN LOAD	P2	2	-5V RTN	M22759/11-20-0	6 FT	7 13
3	-5 RTN LOAD	P2	3	-5V RTN	M22759/11-20-0	6 FT	
9	+12 RTN LOAD	P2	9	+12V RTN	M22759/11-20-0	6 FT	
10	+12 RTN LOAD	P2	10	+12V RTN	M22759/11-20-0	6 FT	
11	+12 RTN LOAD	P2	11	+12V RTN	M22759/11-20-0	6 FT	
12	+12 RTN LOAD	P2	12	+12V RTN	M22759/11-20-0	6 FT	7 4
13	+12 RTN LOAD	P2	13	+12V RTN	M22759/11-20-0	6 FT	
14	+12 RTN LOAD	P2	14	+12V RTN	M22759/11-20-0	6 FT	
15	+12 RTN LOAD	P2	15	+12V RTN	M22759/11-20-0	6 FT	
16	-12 RTN LOAD	P2	16	-12V RTN	M22759/11-20-0	6 FT	7 12
17	-12 RTN LOAD	P2	17	-12V RTN	M22759/11-20-0	6 FT	



LTR	ZONE	REVISION	DATE	EQUIP TYPE	APPROVAL

CALC WT:

PROJECT: J104 RF-VEG
LIBRARY: NON-ASC DWGS
NAME: 38114998.dwg

NEXT ASSY: NA

EQUIP TYPE
☐ FLT. HDWR
☐ OTHER (SPECIFY)
☒ APPLICABLE GSE

SIGNATURES	DATE
DR C. SHANNON	5/8/97
ENG	7/1/97
OBS	7/9/97
APP	7/9/97
QE	7/8/97
MATL	7/1/97
STRESS	7/12/97
AUTH	7/9/97

NATIONAL AERONAUTICS & SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER HOUSTON, TEXAS

TEST CABLE ASSEMBLY
VEG POWER SUPPLY OUTPUT (RTN)

CODE IDENT NO 21356 | SIZE D | DWG NO. SEG38114998
SCALE NONE | SE PROJECT-J104 | SHEET 2 OF 2

301