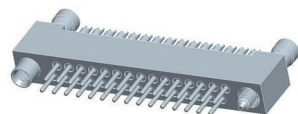


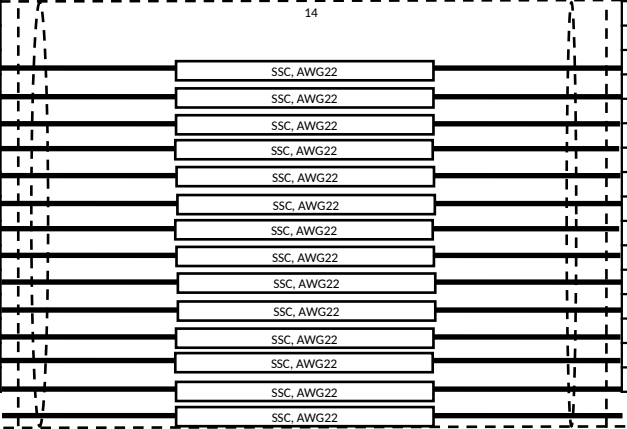
 RF Board

V1 

CONTACT INSERT VIEW  
FOR AIRBORN 30 PIN MALE



LABEL: P5A RF BOARD	
P/N: RM232-030-111-5900	PIN
C 15V	2
C 130V	8
POS 15V A	9
C 30V	10
SPI1_CE0	16
SPI1_SCLK	17
SPI1_MOSI	18
SPI1_CE1	19
SPI1_CE2	20
POS 15V B	21
POS 30V	22
NEG 130V	23
NEG 15V A	24
POS 130V	25



LABEL: P5B MATING CONN INTERFACE	
PIN	P/N: DB37M
2	C 15V
8	C 130V
9	POS 15V A
10	C 30V
16	SPI1_CE0
17	SPI1_SCLK
18	SPI1_MOSI
19	SPI1_CE1
20	SPI1_CE2
21	POS 15V B
22	POS 30V
23	NEG 130V
24	NEG 15V A
25	POS 130V


CONTACT INSERT VIEW  
FOR DB37 MALE



LEGEND:

	SSC	SHIELDED SINGLE CABLE
	TWP	TWISTED WIRE PAIR
	STWP	SHIELDED TWISTED WIRE PAIR
	SGW	SINGLE WIRE
AWG#	AMERICAN WIRE GAUGE NUMBER	
P	PLUG (MALE)	
S	SOCKET (FEMALE)	
PIN	CONNECTOR CONTACT NUMBER	

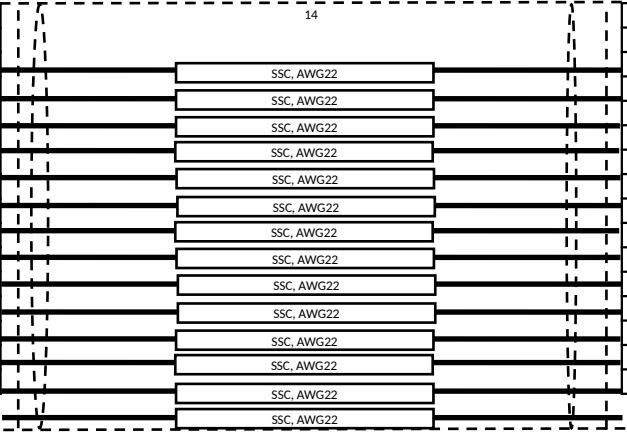
TITLE: [REDACTED]		NASA GODDARD SPACE FLIGHT CENTER 8800 GREENBELT RD GREENBELD MD 20771		
PROJECT: [REDACTED]		NAME [REDACTED]	INIT/ CODE [REDACTED]	DATE MM/DD/YY 08/05/21
DWG NO	001	DRAWN BY: [REDACTED]	[REDACTED]	08/05/21
ASSY NO	-	APPROVED BY: [REDACTED]	[REDACTED]	08/05/21
REVISION RELEASE DATE	REV-1	APPROVED BY: [REDACTED]	[REDACTED]	08/05/21
SHEET NO 1 OF 2		APPROVED BY:		



CONTACT INSERT VIEW  
FOR DB37 MALE



LABEL: J9A [REDACTED] INTERFACE [REDACTED] RF	
P/N: DB37M	PIN
ARTN	2
ARTN	8
POS 15V	9
ARTN	10
SPI1_CE0	16
SPI1_SCLK	17
SPI1_MOSI	18
SPI1_CE1	19
SPI1_CE2	20
POS 15V B	21
POS 30V	22
NEG 130V	23
NEG 15V A	24
POS 130V	25







LABEL: J9B [REDACTED] INTERFACE PWR	
PIN	P/N: DB37F
2	C 15V
8	C 130V
9	POS 15V A
10	C 30V
16	SPI1_CE0
17	SPI1_SCLK
18	SPI1_MOSI
19	SPI1_CE1
20	SPI1_CE2
21	POS 15V B
22	POS 30V
23	NEG 130V
24	NEG 15V A
25	POS 130V


CONTACT INSERT VIEW  
FOR DB37 FEMALE



LEGEND:

-  SSC SHIELDED SINGLE CABLE
-  TWP TWISTED WIRE PAIR
-  STWP SHIELDED TWISTED WIRE PAIR
-  SGW SINGLE WIRE
- AWG# AMERICAN WIRE GAUGE NUMBER
- P PLUG (MALE)
- S SOCKET (FEMALE)
- PIN CONNECTOR CONTACT NUMBER

TITLE: [REDACTED]		NASA GODDARD SPACE FLIGHT CENTER 8800 GREENBELT RD GREENBELD MD 20771		
PROJECT: [REDACTED]		NAME [REDACTED]	INIT/ CODE [REDACTED] /	DATE MM/DD/YY 08/05/21
DWG NO	001	DRAWN BY: [REDACTED]	[REDACTED]	08/05/21
ASSY NO	-	APPROVED BY: [REDACTED]	[REDACTED]	08/05/21
REVISION RELEASE DATE	REV-1	APPROVED BY: [REDACTED]	[REDACTED]	08/05/21
SHEET NO 1 OF 2		APPROVED BY:		

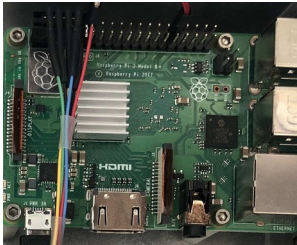


CONTACT INSERT VIEW  
FOR DB37 MALE



LABEL: J9B [REDACTED] INTERFACE PWR		14		LABEL: P10 [REDACTED] INTERFACE PWR	
P/N: DB37M	PIN			PIN	P/N: DB25M
ARTN	2		SSC, AWG22	2	C 15V
ARTN	8		SSC, AWG22	8	C 130V
POS 15V	9		SSC, AWG22	9	POS 15V A
ARTN	10		SSC, AWG22	10	C 30V
SPI1_CE0	16		SSC, AWG22	16	SPI1_CE0
SPI1_SCLK	17		SSC, AWG22	17	SPI1_SCLK
SPI1_MOSI	18		SSC, AWG22	18	SPI1_MOSI
SPI1_CE1	19		SSC, AWG22	19	SPI1_CE1
SPI1_CE2	20		SSC, AWG22	20	SPI1_CE2
POS 15V B	21		SSC, AWG22	21	POS 15V B
POS 30V	22		SSC, AWG22	22	POS 30V
NEG 130V	23		SSC, AWG22	23	NEG 130V
NEG 15V A	24		SSC, AWG22	24	NEG 15V A
POS 130V	25		SSC, AWG22	25	POS 130V
			SSC, AWG22		


CONTACT INSERT VIEW  
FOR DB25 MALE



LEGEND:

	SSC	SHIELDED SINGLE CABLE
	TWP	TWISTED WIRE PAIR
	STWP	SHIELDED TWISTED WIRE PAIR
	SGW	SINGLE WIRE
AWG#	AMERICAN WIRE GAUGE NUMBER	
P	PLUG (MALE)	
S	SOCKET (FEMALE)	
PIN	CONNECTOR CONTACT NUMBER	

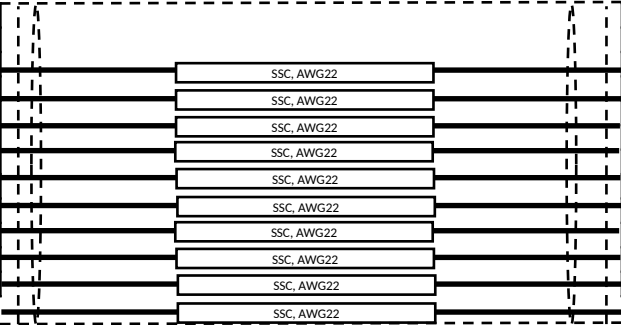
TITLE: [REDACTED]		NASA GODDARD SPACE FLIGHT CENTER 8800 GREENBELT RD GREENBELD MD 20771		
PROJECT: [REDACTED]		NAME [REDACTED]	INIT/ CODE	DATE MM/DD/YY
		DESIGNED BY: [REDACTED]	[REDACTED]	08/05/21
DWG NO	001	DRAWN BY: [REDACTED]	[REDACTED]	08/05/21
ASSY NO	-	APPROVED BY: [REDACTED]	[REDACTED]	08/05/21
REVISION RELEASE DATE	REV-1	APPROVED BY: [REDACTED]	[REDACTED]	08/05/21
SHEET NO 1 OF 2		APPROVED BY:		



CONTACT INSERT VIEW  
FOR DB25 FEMALE



LABEL: P10 [REDACTED] INTERFACE [REDACTED] RF	
P/N: DB25F	PIN
ARTN	2
ARTN	8
POS 15V	9
ARTN	10
SPI1_CE0	20
SPI1_SCLK	21
SPI1_MOSI	22
SPI1_CE1	23
SPI1_CE2	24
POS 15V B	25



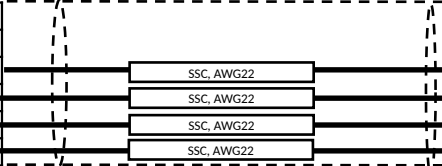
LABEL: J11 PWR PLUGS	
PIN	P/N: BANANA PLUGS
2	C 15V
8	C 130V
9	POS 15V A
10	C 30V
20	NEG 15V B
21	POS 15V B
22	POS 30V
23	NEG 130V
24	NEG 15V A
25	POS 130V

CONTACT INSERT VIEW  
FOR BANANA PLUGS

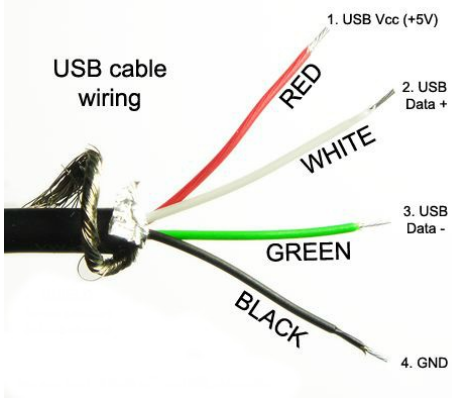


Actual part used (taken from GSFC B37 N149) (No identifiers)

LABEL: P10 [REDACTED] INTERFACE [REDACTED] RF	
P/N: DB25F	PIN
5V	2
ARTN	8
POS 15V	9
ARTN	10



LABEL: J12 PWR PLUGS	
PIN	P/N: USB
2	Red USB Vcc (+5V)
8	White USB Data +
9	Green USB Data -
10	Black GND



LEGEND:

- SSC SHIELDED SINGLE CABLE
- TWP TWISTED WIRE PAIR
- STWP SHIELDED TWISTED WIRE PAIR
- SGW SINGLE WIRE
- AWG# AMERICAN WIRE GAUGE NUMBER
- P PLUG (MALE)
- S SOCKET (FEMALE)
- PIN CONNECTOR CONTACT NUMBER

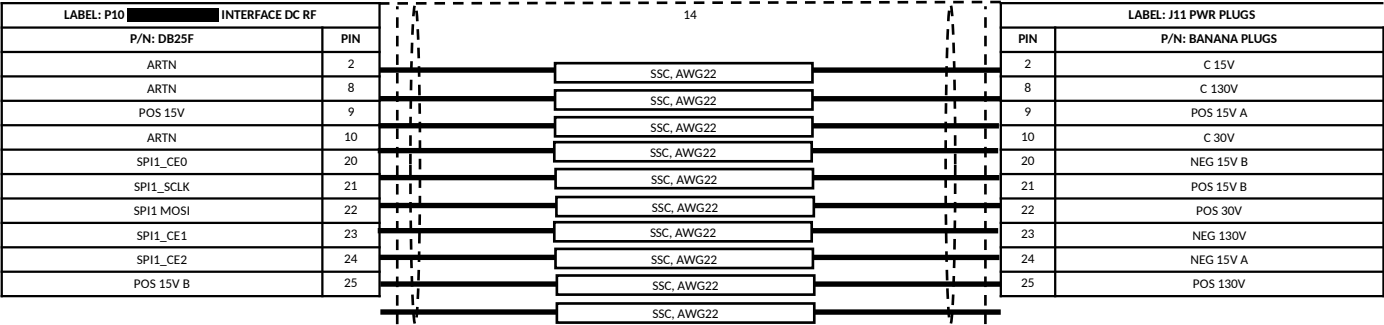
TITLE: [REDACTED]		NASA GODDARD SPACE FLIGHT CENTER 8800 GREENBELT RD GREENBELD MD 20771		
PROJECT: [REDACTED]		NAME [REDACTED]	INIT/ CODE [REDACTED]	DATE MM/DD/YY 08/05/21
DWG NO	001	DESIGNED BY: [REDACTED]	[REDACTED]	08/05/21
ASSY NO	-	DRAWN BY: [REDACTED]	[REDACTED]	08/05/21
REVISION RELEASE DATE	REV-1	APPROVED BY: [REDACTED]	[REDACTED]	08/05/21
SHEET NO 1 of 1		APPROVED BY:		



CONTACT INSERT VIEW  
FOR DB25 FEMALE



Actual part used (taken from GSFC B37 N149) (No identifiers)



CONTACT INSERT VIEW  
FOR BANANA JACK POSTS

Actual part used (taken from GSFC [REDACTED])

LEGEND:

- SSC SHIELDED SINGLE CABLE
- TWP TWISTED WIRE PAIR
- STWP SHIELDED TWISTED WIRE PAIR
- SGW SINGLE WIRE
- AWG# AMERICAN WIRE GAUGE NUMBER
- P PLUG (MALE)
- S SOCKET (FEMALE)
- PIN CONNECTOR CONTACT NUMBER

TITLE: [REDACTED]		NASA GODDARD SPACE FLIGHT CENTER 8800 GREENBELT RD GREENBELD MD 20771		
PROJECT: [REDACTED]		NAME [REDACTED]	INIT/ CODE [REDACTED] /	DATE MM/DD/YY 08/05/21
DWG NO	001	DRAWN BY: [REDACTED]	[REDACTED]	08/05/21
ASSY NO	-	APPROVED BY: [REDACTED]	[REDACTED]	08/05/21
REVISION RELEASE DATE	REV-1	APPROVED BY: [REDACTED]	[REDACTED]	08/05/21
SHEET NO 1 of 1		APPROVED BY:		