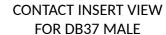
RF Board

V1

CONTACT INSERT VIEW FOR AIRBORN 30 PIN MALE

LABEL: P5A RF BOARD		т.	Τ,		14		-	_	ΙΔΕ	BEL: P5B MATING CONN INTERFACE
P/N: RM232-030-111-5900	PIN	Hi	1,	ı	14	1	۱ ¦	Н	PIN	P/N: DB37M
		Нì	!;			i	! i	L		
C 15V	2	┝	Ψ,		SSC, AWG22		! i	_	2	C 15V
C 130V	8		! :			<u> </u>	<u>! i</u>		8	C 130V
POS 15V A	9	Т		l .	SSC, AWG22		; 1	Т	9	POS 15V A
C 30V	10	<u> </u>	t		SSC, AWG22		1	_	10	C 30V
SPI1_CEO	16	+	Ť		SSC, AWG22		+	-	16	SPI1_CEO
SPI1_SCLK	17	⊢	٠	! 	SSC, AWG22		! 	-	17	- SPI1_SCLK
SPI1 MOSI	18	┷	÷	<u> </u>	SSC, AWG22	──	' '	╌	18	SPI1 MOSI
SPI1_CE1	19	₩	Ŀ	!	SSC, AWG22	<u> </u>	<u>i </u>	- -	19	SPI1_CE1
		∤ :	1	1		. .	1 !	Н		
SPI1_CE2	20	$\overline{}$	Т	i	SSC, AWG22		1	┖	20	SPI1_CE2
POS 15V B	21	H	-		SSC, AWG22		-	-	21	POS 15V B
POS 30V	22	<u> </u>	Ļ	!	SSC, AWG22	ī <u>'</u>	! ;	╌	22	POS 30V
NEG 130V	23	ㅗ	_		SSC, AWG22	<u> </u>			23	NEG 130V
NEG 15V A	24	ᆫ	ij			1		┛	24	NEG 15V A
POS 130V	25	1:	1		SSC, AWG22		T .	\vdash	25	POS 130V
		_	7		SSC, AWG22	-	_	_		







LEGEND:

SHIELDED SINGLE CABLE TWISTED WIRE PAIR SHIELDED TWISTED WIRE PAIR

SINGLE WIRE

AMERICAN WIRE GAUGE AWG#

NUMBER

PLUG (MALE)

SOCKET (FEMALE)

TITLE:		NASA GODDARD SPACE FLIGHT CENTER 8800 GREENBELT RD GREENBELD MD 20771						
PROJECT:		NAME	INIT/ CODE	DATE MM/DD/YY				
		DESIGNED BY:	/	08/05/21				
DWG NO	001	DRAWN BY:	Ľ	08/05/21				
ASSY NO	-	APPROVED BY:	/	08/05/21	NAS			
REVISION RELEASE DATE	REV-1	APPROVED BY:	/	08/05/21				
SHEET NO		APPROVED BY:						
1012		The state of the s						



CONTACT INSERT VIEW FOR DB37 MALE



LABEL: J9A INTERFACE	RF		ί.	14	ì	-1		LABEL: J9B INTERFACE PWR
P/N: DB37M	PIN	l !	'n		ų,	1	PIN	P/N: DB37F
ARTN	2	<u> </u>	<u> </u>	SSC, AWG22		<u> </u>	2	C 15V
ARTN	8	Li	!;			i	8	C 130V
POS 15V	9	Т	i i	SSC, AWG22	- Ti	ı	9	POS 15V A
ARTN	10	Η:	i !	SSC, AWG22	- ;;		10	C 30V
SPI1_CE0	16	Ħ		SSC, AWG22			16	SPI1_CE0
SPI1_SCLK	17	┝	. 	SSC, AWG22	+	÷	17	SPI1_SCLK
SPI1 MOSI	18	۱÷		SSC, AWG22		÷	18	SPI1 MOSI
SPI1_CE1	19	H	+-	SSC, AWG22	+	÷	19	SPI1_CE1
SPI1_CE2	20	⊢	 	SSC, AWG22		-	20	SPI1_CE2
POS 15V B	21	H	+-	SSC, AWG22	+	÷	21	POS 15V B
POS 30V	22	 -	! '	SSC, AWG22	- 11	÷	22	POS 30V
NEG 130V	23	Ļ		SSC, AWG22			23	NEG 130V
NEG 15V A	24	╙	! 	SSC, AWG22	<u> </u>	+	24	NEG 15V A
POS 130V	25	نا	1;		ļļ.	i	25	POS 130V
		ī		SSC, AWG22	- 1	ī		

CONTACT INSERT VIEW FOR DB37 FEMALE



LEGEND:

SHIELDED SINGLE CABLE

TWISTED WIRE PAIR

SHIELDED TWISTED WIRE PAIR

SINGLE WIRE

AMERICAN WIRE GAUGE AWG#

NUMBER

PLUG (MALE)

SOCKET (FEMALE)

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



CONTACT INSERT VIEW FOR DB37 MALE



LABEL: J9B INTERFACE PV	VR	Ľ	٠.		14		1.	1		LABEL: P10 INTERFACE PWR
P/N: DB37M	PIN	1	۱,	1			ų,	1	PIN	P/N: DB25M
ARTN	2	L	┙	1	SSC, AWG22	1	ᆚ	<u> </u>	2	C 15V
ARTN	8	L	<u>. !</u>	!		1	<u>:!</u>	i	8	C 130V
POS 15V	9	Г	П	I	SSC, AWG22		Ti.	1	9	POS 15V A
ARTN	10	Т	7	1	SSC, AWG22		11	-	10	C 30V
SPI1_CE0	16	Т		: !	SSC, AWG22	l	÷	Ť	16	SPI1_CE0
SPI1_SCLK	17	Н	+	i	SSC, AWG22	}	†	Ť	17	SPI1_SCLK
SPI1 MOSI	18	Н	÷	!	SSC, AWG22]———	÷	+	18	SPI1 MOSI
SPI1_CE1	19	Н	٠	<u> </u>	SSC, AWG22		+	÷	19	SPI1_CE1
SPI1_CE2	20	Н	÷	i	SSC, AWG22	———	~	+	20	SPI1_CE2
POS 15V B	21	Н	-		SSC, AWG22]———	₩.	+	21	POS 15V B
POS 30V	22	L	4	<u> </u>	SSC, AWG22	1	₩	÷	22	POS 30V
NEG 130V	23	L	Ļ	i .	SSC, AWG22	Ī	4	_	23	NEG 130V
NEG 15V A	24	L	_	!	SSC, AWG22	1	<u> 11 </u>	<u> </u>	24	NEG 15V A
POS 130V	25	L	1			1	11	-	25	POS 130V
				i	SSC, AWG22		1	ī		

CONTACT INSERT VIEW FOR DB25 MALE





LEGEND:



SHIELDED SINGLE CABLE

TWISTED WIRE PAIR

SHIELDED TWISTED WIRE PAIR

SINGLE WIRE

AMERICAN WIRE GAUGE AWG#

NUMBER

PLUG (MALE)

SOCKET (FEMALE) S

TITLE:		NASA GODDARD SPACE FLIGHT CENTER 8800 GREENBELT RD GREENBELD MD 20771						
PROJECT:		NAME	INIT/ CODE	DATE MM/DD/YY				
		DESIGNED BY:	/	08/05/21				
DWG NO	001	DRAWN BY:	Ľ	08/05/21				
ASSY NO	-	APPROVED BY:	_′	08/05/21	NAS			
REVISION RELEASE DATE	REV-1	APPROVED BY:	/	08/05/21				
SHEET NO		APPROVED BY:						
1012					·			



CONTACT INSERT VIEW FOR DB25 FEMALE



LABEL: P10 INTERFACE RF		Τí	<u> </u>				Ņ	- 1		LABEL: J11 PWR PLUGS
P/N: DB25F	PIN	7 i	2				- !}	- i	PIN	P/N: BANANA PLUGS
ARTN	2	╙	<u>:</u> '		SSC, AWG22				2	C 15V
ARTN	8	Ľ	<u> 1 j</u>			=	<u>ii</u>	_ !	8	C 130V
POS 15V	9	ī	11		SSC, AWG22	_	- [:	ī	9	POS 15V A
ARTN	10	Т	 		SSC, AWG22		-::	- 1	10	C 30V
SPI1_CEO	20	Η:	ii		SSC, AWG22		1		20	NEG 15V B
SPI1_SCLK	21	Ħ	† 		SSC, AWG22		7	十	21	POS 15V B
SPI1 MOSI	22	┮		—	SSC, AWG22			_	22	POS 30V
SPI1_CE1	23	H	 		SSC, AWG22		- ; ;	+	23	NEG 130V
SPI1_CE2	24	}	i:		SSC, AWG22		┿	÷	24	NEG 15V A
POS 15V B	25	÷	+		SSC, AWG22		- -	+	25	POS 130V
		_	1'		SSC, AWG22		-;-	+		_

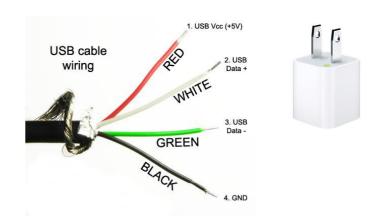
CONTACT INSERT VIEW FOR BANANA PLUGS



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



LABEL: P10 INTERFACE	RF	<i>i</i> !		١	LABEL: J12 PWR PLUGS	
P/N: DB25F	PIN	<u> </u>		ä	PIN	P/N: USB
5V	2	 	SSC, AWG22	+	2	Red USB Vcc (+5V)
ARTN	8	+	SSC, AWG22	÷	8	White USB Data +
POS 15V	9		SSC, AWG22	╬	9	Green USB Data -
ARTN	10	1	SSC, AWG22	누	10	Black GND



LEGEND:



SSC SHIELDED SINGLE CABLE

WP TWISTED WIRE PAIR

TWP SHIELDED TWISTED WIRE PAIR

SGW SINGLE WIRE

AWG# AMERICAN WIRE GAUGE

NUMBER

PLUG (MALE)

S SOCKET (FEMALE)

PIN CONNECTOR CONTACT NUMBER

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

CONTACT INSERT VIEW FOR DB25 FEMALE



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

LABEL: P10 INTERFACE DC RF		Γī	<u></u>	14	 Y :		LABEL: J11 PWR PLUGS
P/N: DB25F	PIN] i	<u> </u>		g i	PIN	P/N: BANANA PLUGS
ARTN	2	<u> </u>	1	SSC, AWG22	!i 	2	C 15V
ARTN	8	ĽĽ	<u>'i </u>		<u>it ¦</u>	8	C 130V
POS 15V	9		ı	SSC, AWG22	!; ;	9	POS 15V A
ARTN	10	Т	:	SSC, AWG22		10	C 30V
SPI1_CEO	20		ı	SSC, AWG22	11 :	20	NEG 15V B
SPI1_SCLK	21	+	I	SSC, AWG22	<u>'i i</u>	21	POS 15V B
SPI1 MOSI	22	Ι-	1	SSC, AWG22	 	22	POS 30V
SPI1_CE1	23	H	i e	SSC, AWG22	', ,	23	NEG 130V
SPI1_CE2	24	ا		SSC, AWG22	; ; ;	24	NEG 15V A
POS 15V B	25	 -	.i	SSC, AWG22	 	25	POS 130V
		+	<u>'</u>	SSC, AWG22	' 	-	

CONTACT INSERT VIEW FOR BANANA JACK POSTS

Actual part used (taken from GSFC

LEGEND:



SHIELDED SINGLE CABLE

TWISTED WIRE PAIR

SHIELDED TWISTED WIRE PAIR

SINGLE WIRE

AMERICAN WIRE GAUGE AWG#

NUMBER

PLUG (MALE)

SOCKET (FEMALE)

NASA GODDARD SPACE FLIGHT CENTER									
DESIGNED BY: 08/05/21 DWG NO 001 DRAWN BY: 08/05/21 ASSY NO - APPROVED BY: 1 08/05/21 REVISION RELEASE DATE SHEET NO APPROVED BY: 1 08/05/21	TITLE:		8800 GREENBELT RD						
DWG NO 001 DRAWN BY:	PROJECT:		NAME						
ASSY NO - APPROVED BY: 1 08/05/21 REVISION RELEASE DATE SHEET NO APPROVED BY: 1 08/05/21			DESIGNED BY:	/	08/05/21				
REVISION REV-1 APPROVED BY: 08/05/21	DWG NO	001	DRAWN BY:	L	08/05/21				
RELEASE DATE SHEET NO APPROVED BY:	ASSY NO	-	APPROVED BY:	/	08/05/21	NAS			
		REV-1	APPROVED BY:	/	08/05/21				
			APPROVED BY:		·				

