



10/5/66

BENDIX SYSTEMS DIVISION ANN ARBOR, MICH.

Experiment Electrical
Interface Definitions

NO.

ATM-483

REV. NO.

D

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This revision details changes to Revision C of ATM-483.

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A. B. Collins



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Cable C Details

<u>Connector Pin</u>	<u>Terminal Board Pin</u>	<u>Function</u>
47	51-01	Thumper real time event
49	51-02	Electrical common
48	51-03	+29 volts supply
64	51-04	Thumper arm
10	52-17	+5V telemetry
11	52-03	+24V arming
12	52-16	E-W Angle
13	52-01	+24V Sequential Arming
14	52-15	N-S Angle
15	52-05	Operational power
16	52-14	GLA TempSensor
17	52-11	Power/Signal Return
18	52-04	Range Start/Stop
35	52-02	29V Heater Power
32	52-10	Fire Grenade #3
28	52-13	Fire Grenade #1
29	52-09	+5 Volts
30	52-08	Fire Grenade #2
31	52-18	Chassis Return
34	52-12	Fire Grenade #4
33	52-07	Mortar Box Temp Sensor
36	52-06	Sequential Fire



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Cable F Details

<u>Connector J52</u>	<u>Terminal Board Pin</u>	<u>Function</u>
1	52-01	+24V Sequential Arming
2	52-02	+29V Heater Power
3	52-03	+24V Arming
4		Connected to Pin 2 (J52)
5	52-04	Range Start/Stop
6	52-05	Operational Power
7	52-06	Sequential Fire
8	52-07	Mortar Box Temp. Sens
9	52-08	Fire Grenade #2
10	52-09	+5 Volts
11	52-10	Fire Grenade #3
12	52-11	Power/Signal Return
13	52-12	Fire Grenade #4
14		Connected to Pin
15	52-13	Fire Grenade #1
16	52-14	GLA Temp Sensor
17	52-15	N-S Angle
18	52-16	E-W Angle
19	52-17	+5V Telemetry
20	52-18	Chassis Return



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Cable G Details

<u>Connector Pin (P52)</u>	<u>Function</u>
1	+24V Sequential Arming
2	29V Heater Power
3	24V Arming
4	29V Heater Power
5	Range Start/Stop
6	Operational Power
7	Sequential Fire
8	Mortar Box Temp Sensor
9	Fire Grenade #2
10	+5 Volts
11	Fire Grenade #3
12	Power Signal Return
13	Fire Grenade #4
14	Power Signal Return
15	Fire Grenade #1
16	GLA Temp Sensor
17	N-S Angle
18	E-W Angle
19	+5V Telemetry
20	Chassis Return



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Cable H Details

<u>GLA Connector Pin</u>	<u>Function</u>
1	Chassis Common
2	+5V Telemetry
3	E-W Angle
4	N-S Angle
5	GLA Temp Sensor
6	Spare
7	Fire Grenade #1
8	Spare
9	Fire Grenade #2
10	Common Return
11	Fire Grenade #3
12	Spare
13	FireGrenade #4
14	Spare
15	Arm 1, 2, 3, 4
16	Range Start #4
17	Range Start #3
18	Range Start #2
19	Range Start #1
20	Range Stop 4
21	Range Stop 3
22	Range Stop 2
23	Range Stop 1
24	+5V Range Line Power
25	+5V Transducer Power
26	29V Temp Sensor Power
27	29V Heater Power
28	Heater Control Temp Sensor
29	Heater Control Temp Sensor
30	Heater Status GSE



Experiment Electrical
Interface Definitions

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Connector (P52A, J52A)

Connectors (P52B, J52B)

1	j
2	U
3	g
4	D
5	e
6	b
7	E
8	C
9	Z
10	Y
11	V
12	W
13	B
14	d
15	X
16	c
17	a
18	h
19	f
20	A

The function associated with pins under column headed (P52B, J52B) are identical to those in revision C.



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Connectors (J56A, P56A)

Connectors (P56B, J56C)

1	FF
2	EE
3	Z
4	X
5	L
6	DD
7	A
8	R
9	C
10	P
11	E
12	S
13	G
14	U
15	AA
16	H
17	F
18	D
19	B
20	T
21	N
22	CC
23	BB
24	J
25	GG
26	Y
27	W
28	HH
29	K
30	M

The functions associated with pins under column headed (P56B, J56C) are identical to those in revision C.