

Switch Panel with Bezel

Eagle Display

HUD (Heads Up Display)

Dash Bezel

HUD Cover

I/F Module

Sensor I/F Module Exterior Cable

Sensor I/F Module

25ft

25ft

AOA Sense Probe

AOA Probe Mounting Plate (Cut to Fit Existing Inspection Cover)

Factory Bulkhead Connectors

Pressurized Bulkhead

Probe Cover

- Red - I/F Module Power Cable
- Green - Switch Panel Extension Cable
- Yellow - Sensor IM + Audio Interior Cable
- Blue - Display Extension Cable

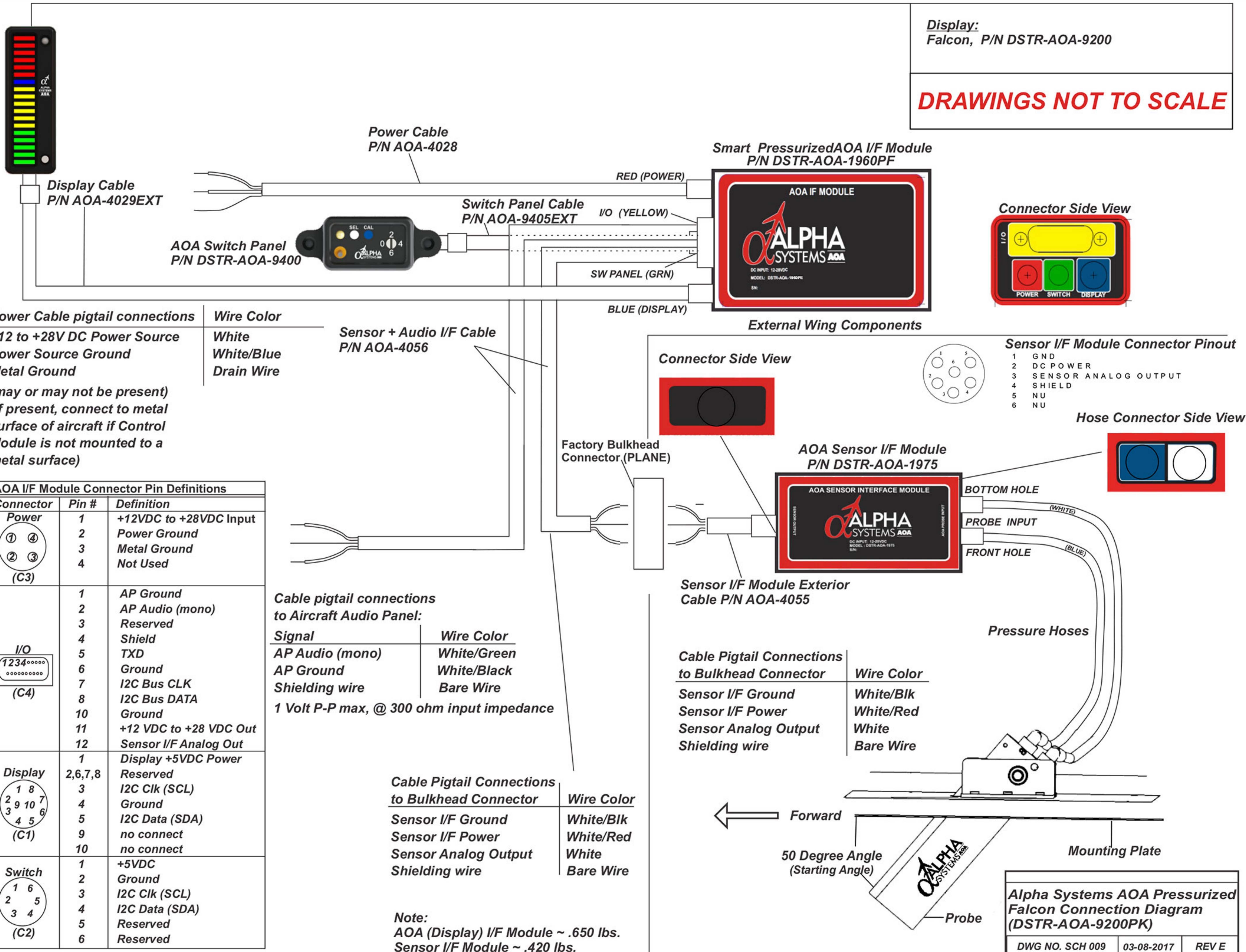
Inside Airplane

Outside Airplane

Alpha Systems AOA Falcon HUD Pressurized System Diagram DSTR-AOA-9200PK-(HUD)

Display:  
Falcon, P/N DSTR-AOA-9200

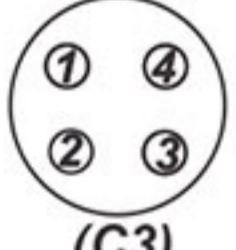
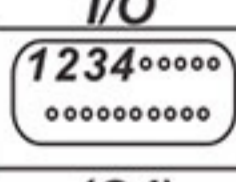

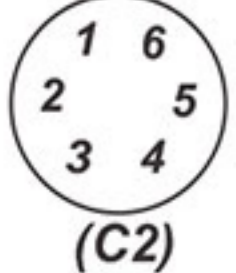
**DRAWINGS NOT TO SCALE**



**Power Cable pigtail connections**

Wire Color
White
White/Blue
Drain Wire

(may or may not be present)  
(If present, connect to metal surface of aircraft if Control Module is not mounted to a metal surface)

AOA I/F Module Connector Pin Definitions		
Connector	Pin #	Definition
 (C3)	1	+12VDC to +28VDC Input
	2	Power Ground
	3	Metal Ground
	4	Not Used
 (C4)	1	AP Ground
	2	AP Audio (mono)
	3	Reserved
	4	Shield
	5	TXD
	6	Ground
	7	I2C Bus CLK
	8	I2C Bus DATA
	10	Ground
	11	+12 VDC to +28 VDC Out
	12	Sensor I/F Analog Out
	 (C1)	1
2,6,7,8		Reserved
3		I2C Clk (SCL)
4		Ground
5		I2C Data (SDA)
9		no connect
 (C2)	1	+5VDC
	2	Ground
	3	I2C Clk (SCL)
	4	I2C Data (SDA)
	5	Reserved
	6	Reserved

**Sensor + Audio I/F Cable**  
P/N AOA-4056

**Cable pigtail connections to Aircraft Audio Panel:**

Signal	Wire Color
AP Audio (mono)	White/Green
AP Ground	White/Black
Shielding wire	Bare Wire

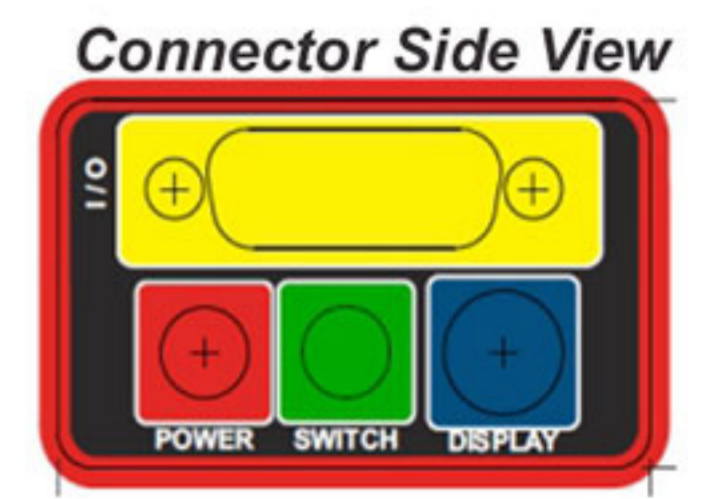
1 Volt P-P max, @ 300 ohm input impedance

**Cable Pigtail Connections to Bulkhead Connector**

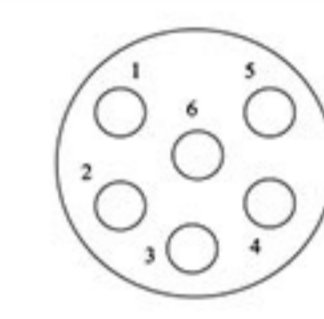
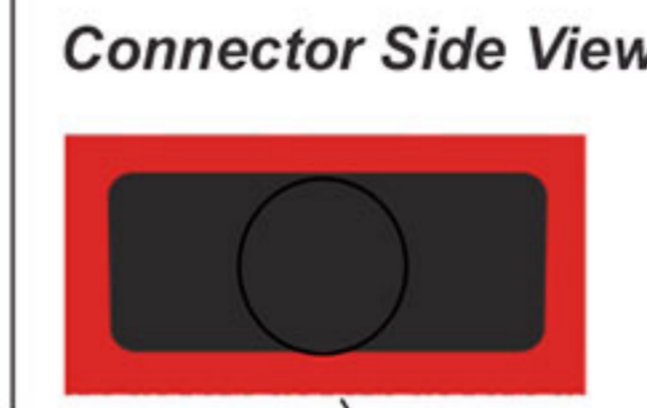
Wire Color
White/Blk
White/Red
White
Bare Wire

Note:  
AOA (Display) I/F Module ~ .650 lbs.  
Sensor I/F Module ~ .420 lbs.

Smart Pressurized AOA I/F Module  
P/N DSTR-AOA-1960PF

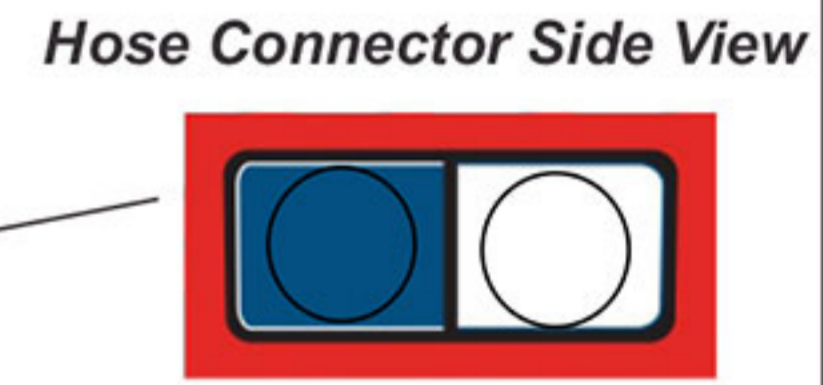


External Wing Components



**Sensor I/F Module Connector Pinout**

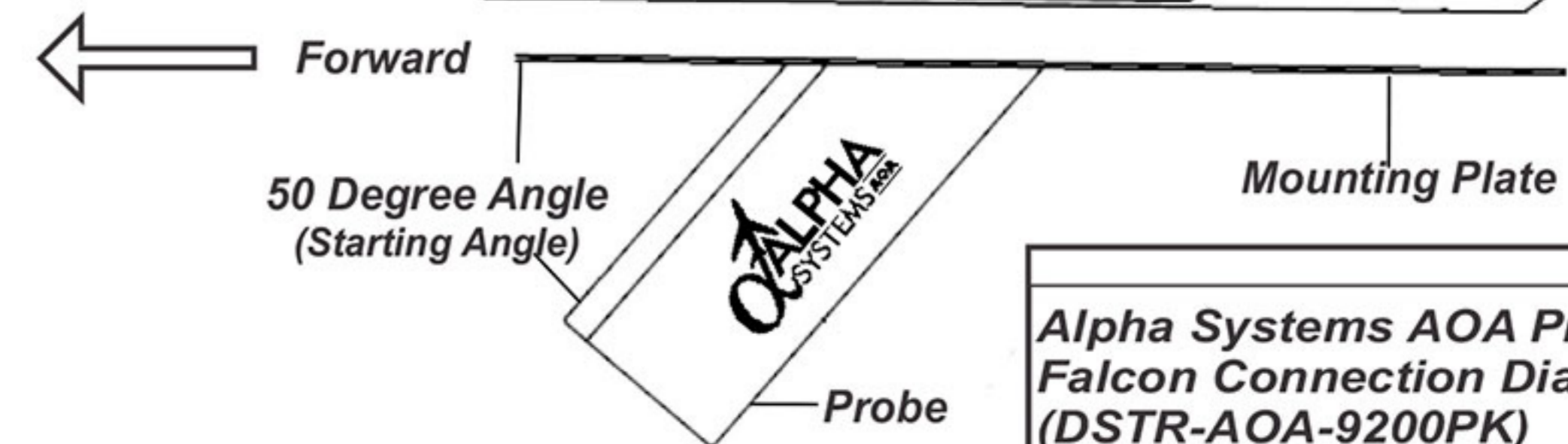
1	GND
2	DC POWER
3	SENSOR ANALOG OUTPUT
4	SHIELD
5	NU
6	NU



Sensor I/F Module Exterior  
Cable P/N AOA-4055

**Cable Pigtail Connections to Bulkhead Connector**

Wire Color
White/Blk
White/Red
White
Bare Wire



**Alpha Systems AOA Pressurized Falcon Connection Diagram (DSTR-AOA-9200PK)**

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