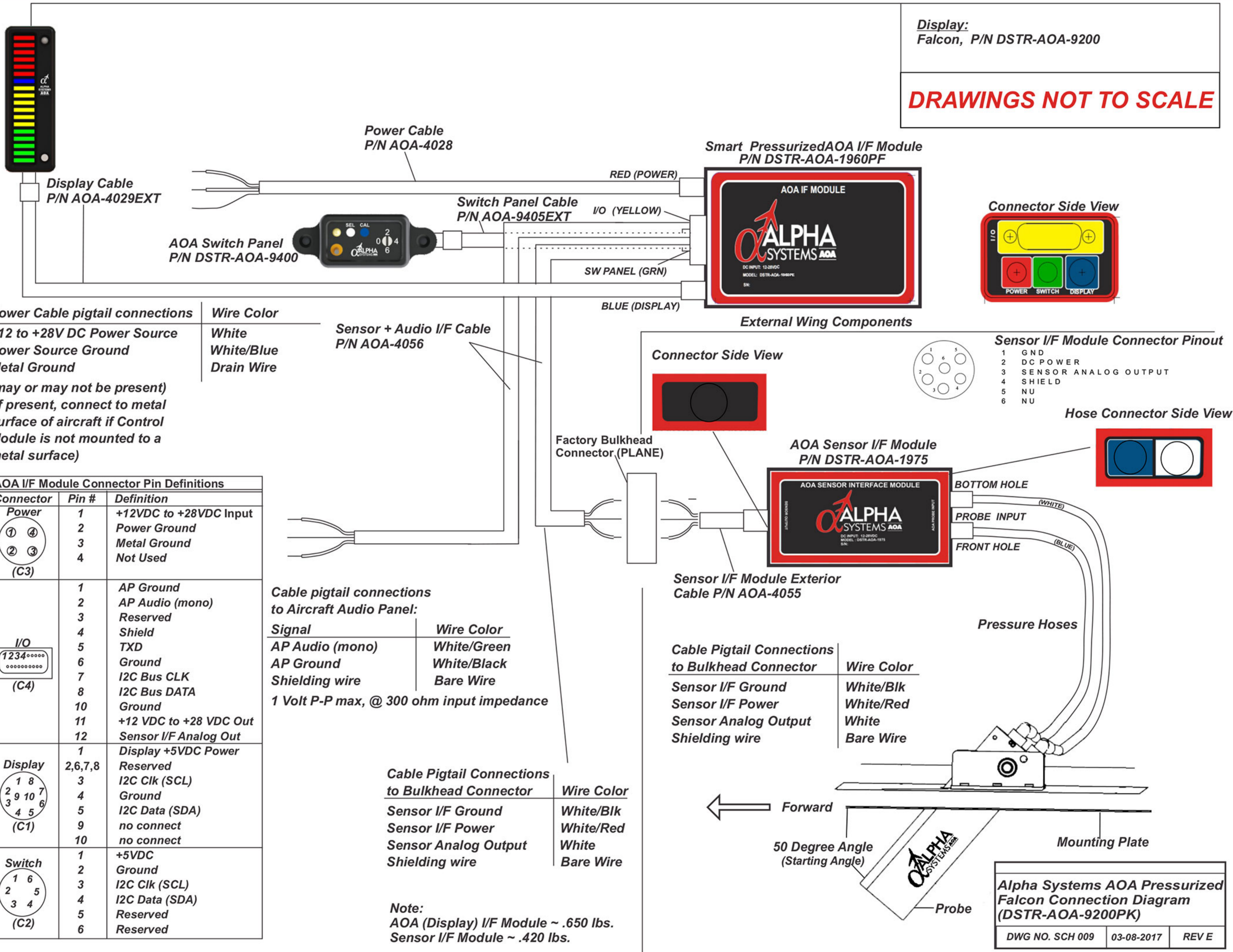


Alpha Systems AOA Falcon Pressurized System Diagram DSTR-AOA-9200PK

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

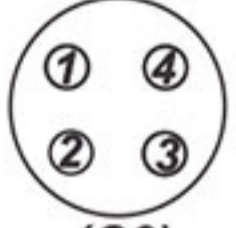
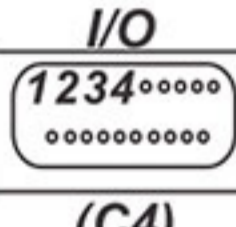
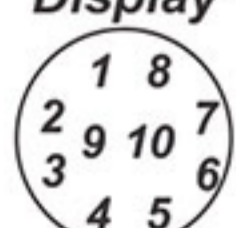
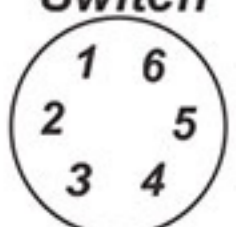
DRAWINGS NOT TO SCALE



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

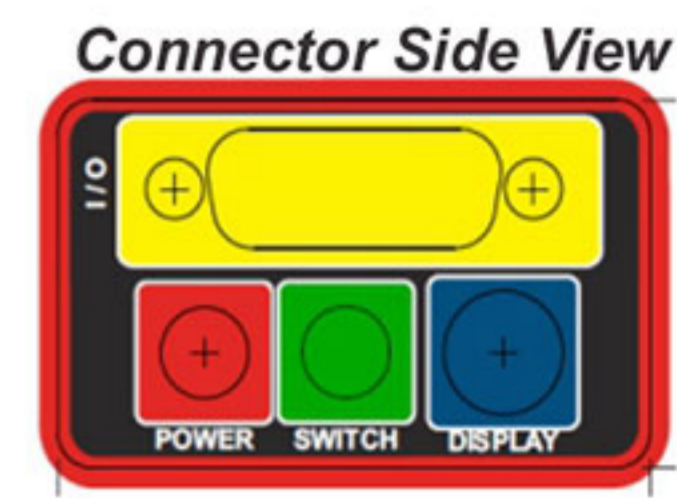
1 Volt P-P max, @ 300 ohm input impedance

Cable Pigtail Connections to Bulkhead Connector

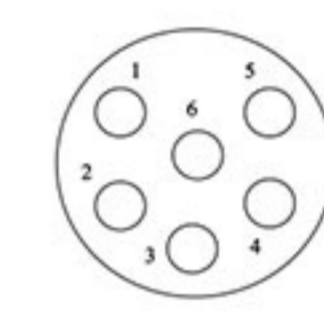
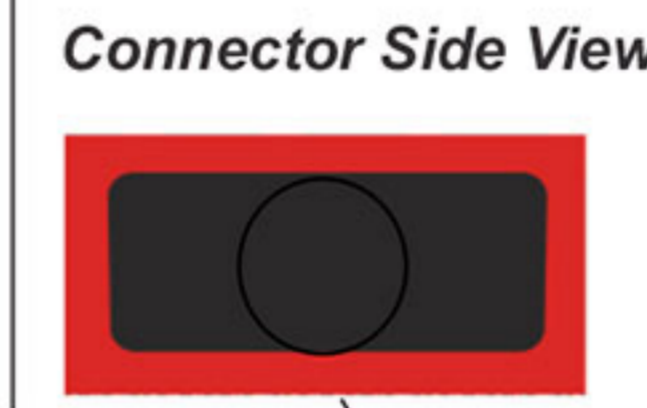
Wire Color
White/Blk
White/Red
White
Bare Wire

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

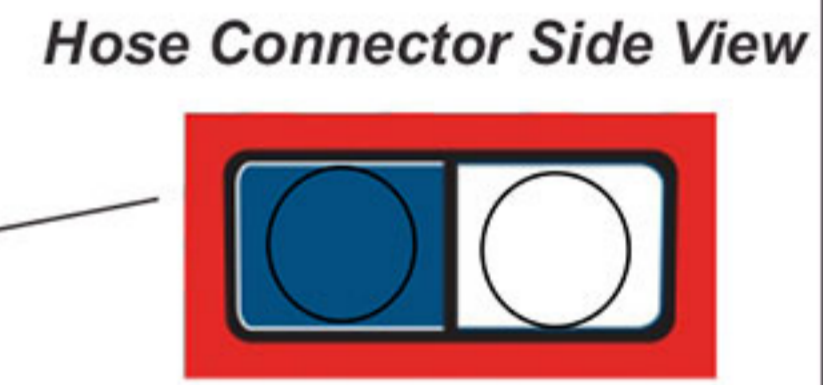


External Wing Components



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

Forward

50 Degree Angle
(Starting Angle)

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

DWG NO. SCH 009	03-08-2017	REV E
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