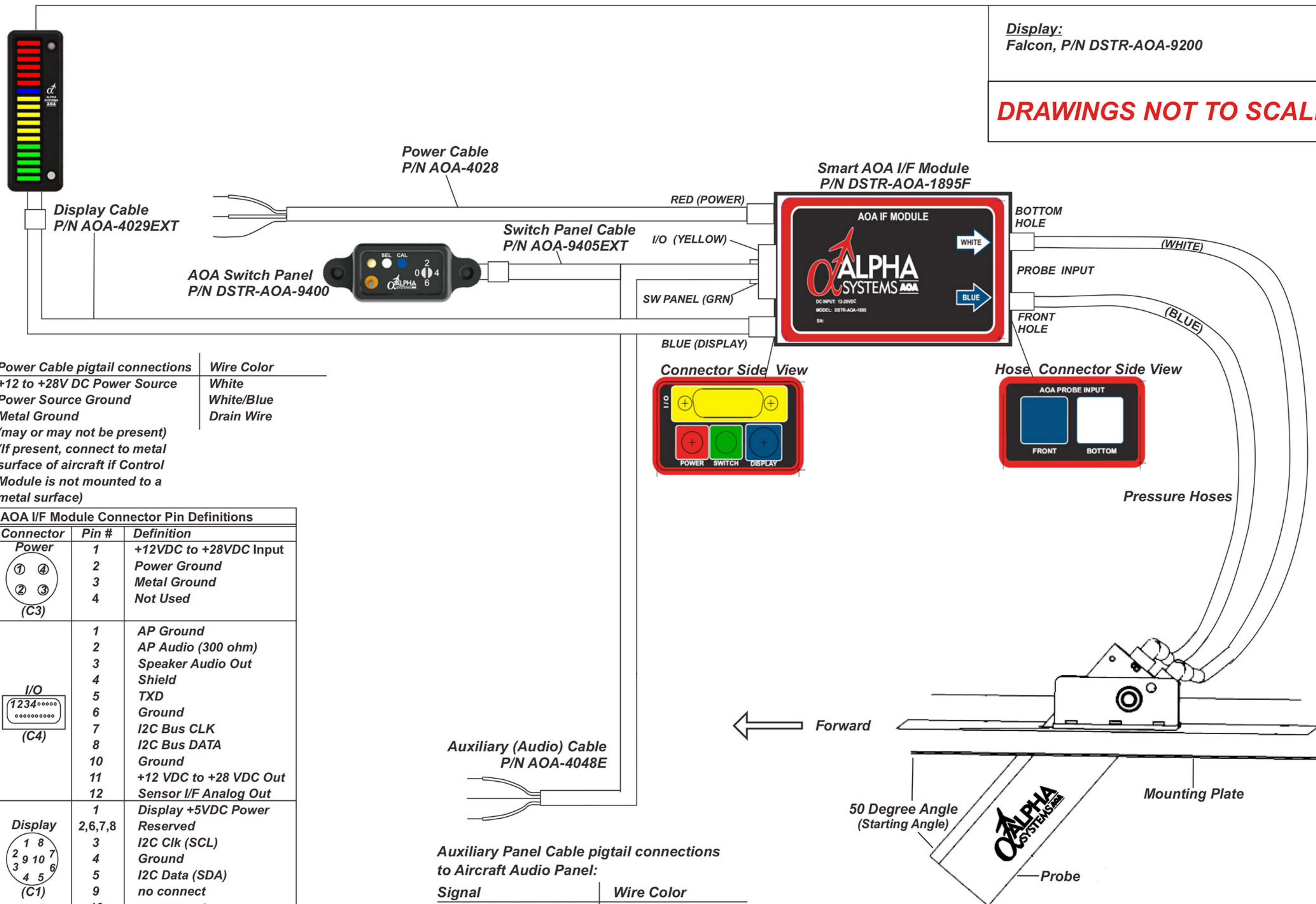




Alpha Systems AOA Falcon HUD System Diagram DSTR-AOA-9200K-(HUD)

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

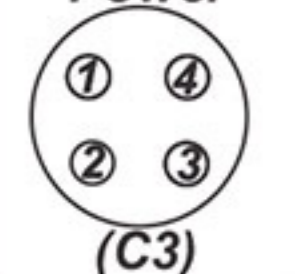
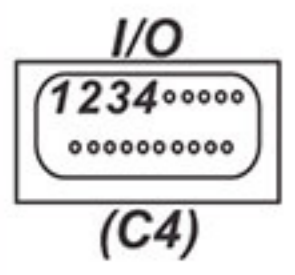
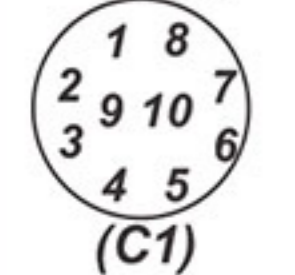
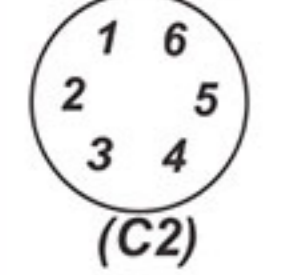
DRAWINGS NOT TO SCALE



Power Cable pigtail connections

Wire Color	Connection
White	+12 to +28V DC Power Source
White/Blue	Power Source Ground
Drain Wire	Metal Ground

(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 (300 ohm)	
	3	Speaker Audio Out	
	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	Display +5VDC Power
2,6,7,8		Reserved	
3		I2C Clk (SCL)	
4		Ground	
5		I2C Data (SDA)	
9		no connect	
10		no connect	
 (C2)		1	+5VDC
		2	Ground
		3	I2C Clk (SCL)
	4	I2C Data (SDA)	
	5	Reserved	
	6	Reserved	

Auxiliary (Audio) Cable
P/N AOA-4048E

Auxiliary Panel Cable pigtail connections
to Aircraft Audio Panel:

Signal	Wire Color
AP Audio (300 ohm)	Green/White
Speaker Audio Out	ORG/White
AP Ground	Black/White
Shielding wire	Bare Wire

One or the other

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