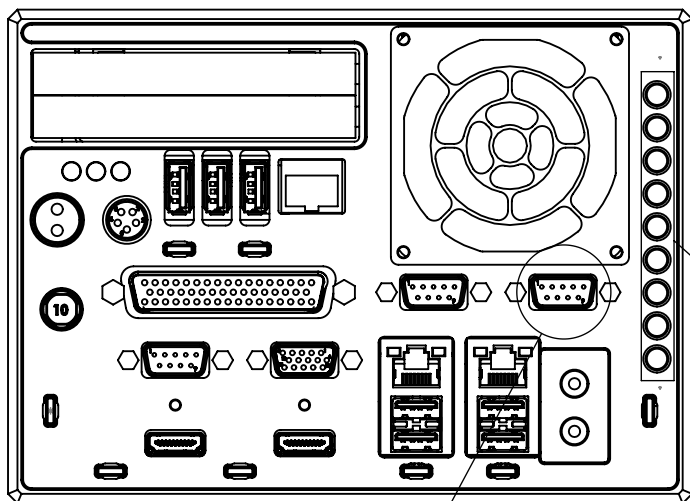


ARS-500 FRONT PANEL



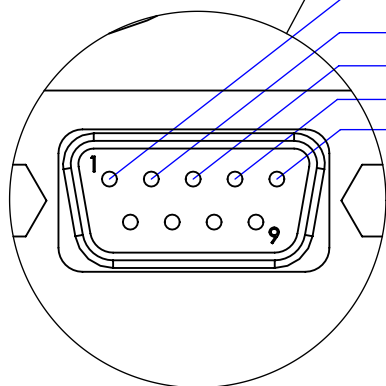
THE SCHEMATIC BELOW SHOWS APPROPRIATE ELECTRICAL CONNECTIONS FOR USING THE FLIR STAR SAFIRE 380 HD WITH THE ARS-500C FROM **CHURCHILL NAVIGATION**.

BNC 1.0/2.3 PORTS (x9)
HD/SD-SDI INPUT/OUTPUT

1. REF.
2. VIDEO1 IN
3. VIDEO1 OUT
4. VIDEO2 IN
5. VIDEO2 OUT
6. VIDEO3 IN
7. VIDEO3 OUT
8. VIDEO 4 IN
9. VIDEO 4 OUT

FLIR J4

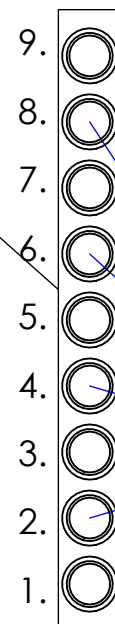
PIN10. RX-
PIN12. RX+
PIN11. TX+
PIN9. TX-
PIN8. GND



DB9 PORT: RS-422

PIN1. TX-
PIN2. TX+
PIN3. RX+
PIN4. RX-
PIN5. GND

PINS 6-9. NC
SHELL = GND



FLIR HD-SDI

HDVID3. W2P5
HDVID2. W2P4
HDVID1. W2P3
HDVID0. W2P2

CHURCHILL
NAVIGATION

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	NAME	DATE
DRAWN	JLH	5/29/14
CHECKED	JLH	5/29/14
ENG APPR.		
MFG APPR.		
Q.A.		

COMMENTS:

ALL DIM IN MM [IN]
WEIGHT IN LBS [KG]

DO NOT SCALE DRAWING

CHURCHILL NAVIGATION

TITLE:

ARS-500C to FLIR STAR HD

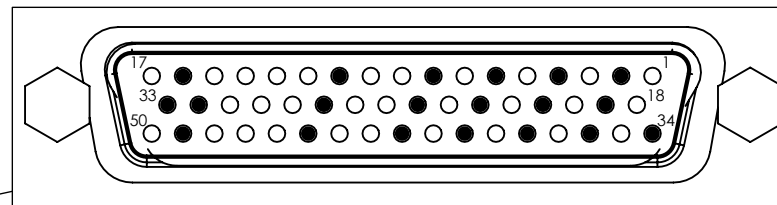
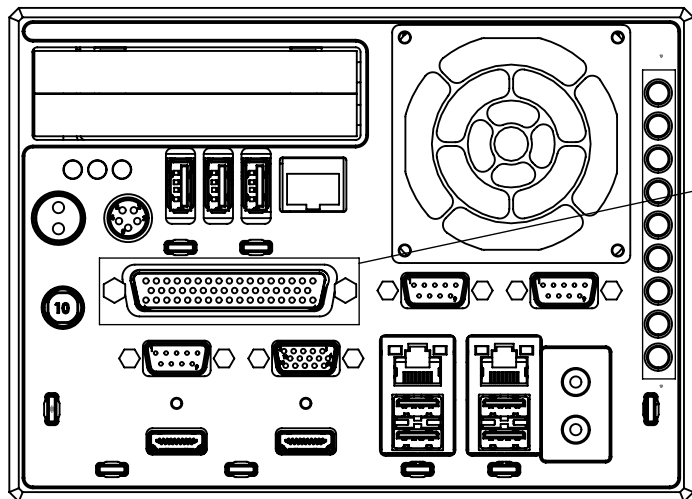
SIZE
A

DWG. NO.
ARS-500C

REV
3

SHEET 1 OF 2

ARS-500 FRONT PANEL



DB50 PORT: PWRBTN, DIO, PS/2, 4 x RS-232

PIN1. RS-232a RX	PIN18. RS-232a TX	PIN35. RS-232a GND
PIN2. N/C	PIN19. N/C	PIN36. N/C
PIN3. RS-232b RX	PIN20. RS-232b TX	PIN37. RS-232b GND
PIN4. N/C	PIN21. N/C	PIN38. N/C
PIN5. RS-232c RX	PIN22. RS-232c TX	PIN39. RS-232c GND
PIN6. N/C	PIN23. N/C	PIN40. N/C
PIN7. RS-232d RX	PIN24. RS-232d TX	PIN41. RS-232d GND
PIN8. N/C	PIN25. N/C	PIN42. N/C
PIN9. PS/2 Vcc	PIN26. PS/2 MOUSE CLK	PIN43. PS/2 KEYBRD CLK
PIN10. PS/2 MOUSE CLK	PIN27. PS/2 KEYBRD DATA	PIN44. PS/2 GND
PIN11. N/C	PIN28. N/C	PIN45. N/C
PIN12. DIO GND	PIN29. DIO O1	PIN46. DIO I2
PIN13. DIO Vcc	PIN30. DIO O0	PIN47. DIO I1
PIN14. DIO O3	PIN31. DIO I3	PIN48. DIO I0
PIN15. DIO O2	PIN32. N/C	PIN 49. N/C
PIN16. N/C	PIN33. N/C	
PIN17. PWRBTN+	PIN34. N/C	PIN50. PWRBTN-

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PROHIBITED.

	NAME	DATE	CHURCHILL NAVIGATION		
DRAWN	JLH	5/29/14	TITLE: ARS-500C to FLIR STAR HD		
CHECKED	JLH	5/29/14			
ENG APPR.					
MFG APPR.					
Q.A.					
COMMENTS:			SIZE	DWG. NO.	REV
ALL DIM IN MM [IN] WEIGHT IN LBS [KG]			A	ARS-500C	3
DO NOT SCALE DRAWING			SHEET 2 OF 2		