

BILL OF MATERIALS
 ARS-SERBY

P/N	DESCRIPTION	ITEM	QTY	TYP
ARS-SERBY	Serial Bypass Switch	1	1	KIT
HW-CABLE-SERBY-TCABLE	T-CABLE ASSEMBLY	2	1	EA
HW-WASHER-S-0156-0030-0312-SS	SS FLAT WASHER, NO. 6 SIZE, 5/16" OD x 0.03" THICK	3	4	EA
HW-SCREW-S-0632-0625-SS-000SH-HE	SS SOCKET CAP SCREW, 6-32 x 5/8"	4	4	EA
HW-NUT-S-0632-0172-0313-SS-NYLONINSERT	SS NYLON INSERT HEX LOCK NUT, 6-32 x 11/64"	5	4	EA
HW-CONN-TE-1757820-6	DB9 CONNECTOR, 9 x FEMALE PINS TE #M24308/2-1, #205090-1	6	1	EA
HW-CONN-TE-1757819-6	DB9 CONNECTOR, 9 x MALE PINS TE #M24308/4-1, #205089-1	7	1	EA
HW-CONN-TE-5748676-1	DB9 SHELL TE #5748676-1	8	2	EA

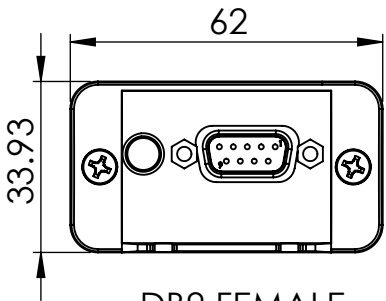
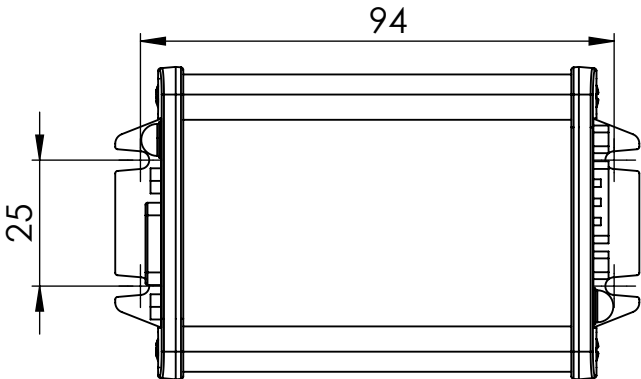
SHOT
OVER

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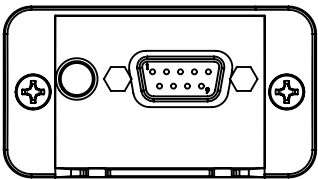
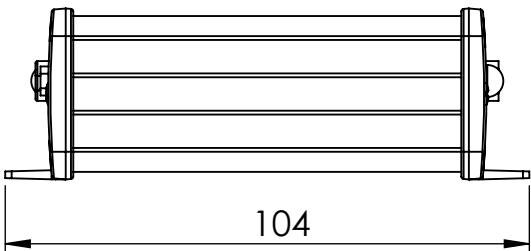
	NAME	DATE	TITLE: SERIAL BYPASS SWITCH		
DRAWN BY:	JLH	4/12/21			
CHECKED BY:	NHM	4/12/21			
ALL DIM IN INCHES [MM] WEIGHT IN LBS [KG]			SIZE A	HARDWARE REV: 2.0	DRAWING REV: 9
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE ±0.005					
DO NOT SCALE DRAWING					SHEET 1 OF 4

SERBY2015-101
SWITCH ASSY

SYSTEM WEIGHT: 0.35 lbs [0.16 kg]
±0.05 lbs [0.02 kg]



DB9 FEMALE



DB9 MALE

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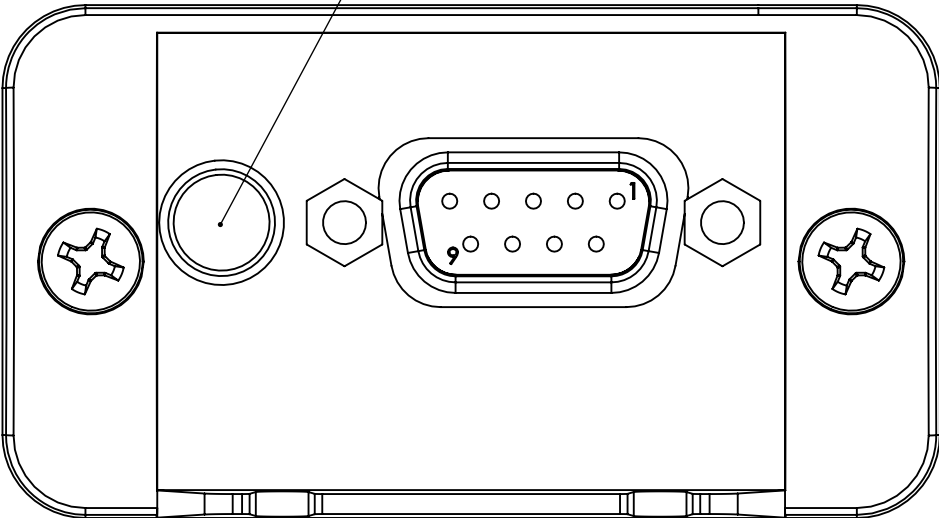
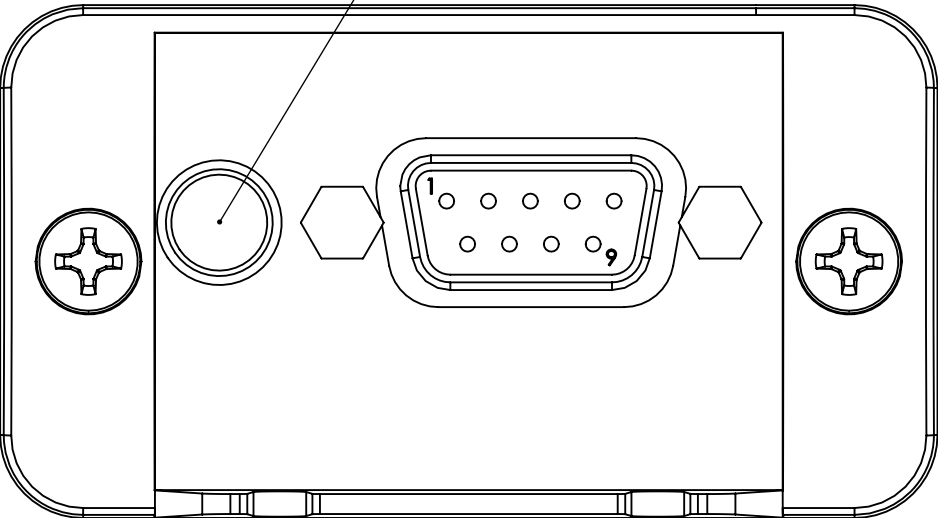
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DRAWN BY:		JLH	4/12/21	SERIAL BYPASS SWITCH		
CHECKED BY:		NHM	4/12/21			
ALL DIM IN INCHES [MM] WEIGHT IN LBS [KG]				SIZE	HARDWARE REV:	DRAWING REV:
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DO NOT SCALE DRAWING				SHEET 2 OF 4		

SERBY2015-101

SWITCH ASSY

HCU DATA INDICATOR LED, RED

ARS DATA INDICATOR LED, RED



DB9 MALE TO T-CABLE

DB9 FEMALE TO ARS

1 x DE9 PORT, MALE PINS

1 x DE9 PORT, FEMALE PINS

- PIN1. n/c
- PIN5. GND
- PIN6. RX (DATA FROM HCU)
- PIN7. TX (DATA TO ECU)
- PIN8. n/c
- PIN9. 12V+ INPUT

- PIN1. n/c
- PIN2. TX (DATA TO ARS)
- PIN3. RX (DATA FROM ARS)
- PIN4. n/c
- PIN5. GND
- PINS 6-9. n/c

NOTE: PINS 5 & 9 PROVIDE 12V POWER TO UNIT

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CHECKED BY:		NHM	4/12/21		
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					9
DO NOT SCALE DRAWING				SHEET 3 OF 4	

HW-CABLE-SERBY-TCABLE:
(Provided)

DB9 CONNECTOR A
9 x SOCKETS

TO ARS-SERBY SWITCH

TO ARS

DB9 CONNECTOR B:
PIN 2: TX TO ARS
PIN 5: GND

FROM FLIR HCU (W3)

MS3126F12-10S,
10 x SOCKETS

TO FLIR ECU U2J3

MS3126F12-10P,
10 x PINS

DB9 Connector A
Pin 6

Pin 7

DB9 Connector B
Pin 2

Pin 5

W3:

A
B
C
D
E
F
G
H
J
K

W3:

A
B
C
D
E
F
G
H
J
K

Pin 5

Pin 9

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