DRIFTER GPSP BULKHEADS

T2 USBL
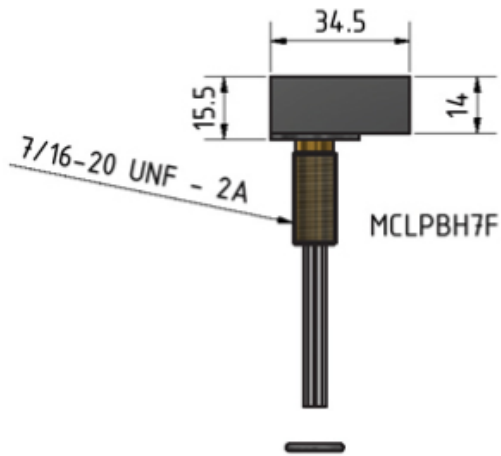
34.5
15.5
14
7/16-20 UNF - 2A
MCLPBH7F

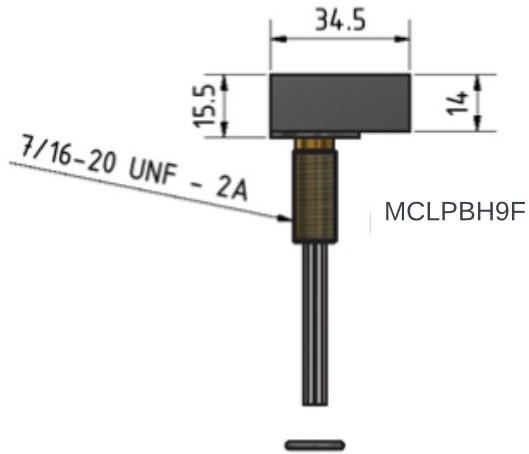| Bulkhead Connections	Drifter Breakout Board Connections
1: Black	U1TX (USBL Pin 5)
2: White	U1RX (USBL Pin 4)
3: Red	N/C
4: Green	GND (USBL Pin 2)
5: Orange	+14V (USBL Pin1)
6: Blue	N/C
7: White/black	N/C
8: Red/black*	N/C
9: Green/black	N/C
10: Orange/black**	N/C

T3 RELEASE/JTAG

MCLPBH9F

Bulkhead Connections

Drifter Breakout Board Connections

1: Black — NO-CONNECTION - 6

2: White — PGC-5

3: Red — PGD-4

4: Green — VSS (GND) -3

5: Orange — VDD (TARGET VOLTAGE) -2

6: Blue — MCLR-1

7: White/black — +V_RELEASE

8: Red/black* — GND

9: Green/black — N/C

10: Orange/black** — N/C

34.5

15.5

14

7/16-20 UNF - 2A

T4 SENSOR PAYLOAD 1

Electrically Connected to T6 pins
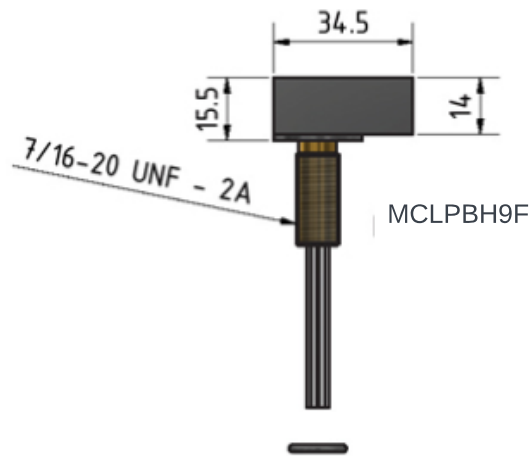
34.5

15.5   14

7/16-20 UNF - 2A

MCLPBH9F

Bulkhead Connections	Drifter Breakout Board Connections
1: Black	GPC UART2 TX
2: White	GPC UART2 RX
3: Red	GPC UART4 TX
4: Green	GND
5: Orange	GPC UART4 RX
6: Blue	V Payload 1 (12V)
7: White/black	V Payload 2 (12V)
8: Red/black*	GND
9: Green/black	GND
10: Orange/black**	N/C

T4 SENSOR PAYLOAD 2

Electrically Connected to T4 pins
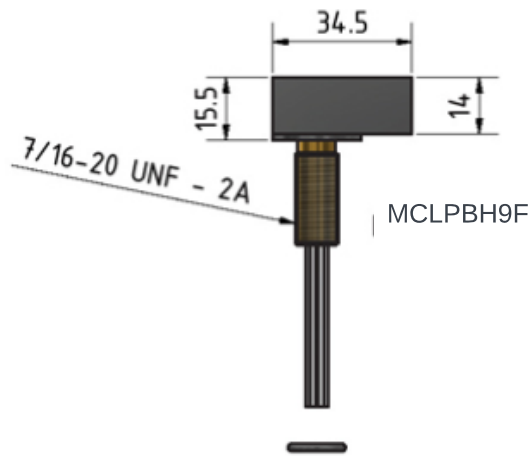
Bulkhead Connections	Drifter Breakout Board Connections
1: Black	GPC UART2 TX
2: White	GPC UART2 RX
3: Red	GPC UART4 TX
4: Green	GND
5: Orange	GPC UART4 RX
6: Blue	V Payload 1 (12V)
7: White/black	V Payload 2 (12V)
8: Red/black*	GND
9: Green/black	GND
10: Orange/black**	N/C

34.5

15.5

14

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MCLPBH9F

T7 UMBILLICAL

44.5

22.5

21

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LPBH9F

Inline cable colour code

Drifter Breakout J1 Umbillical Header

Inline cable colour code	Drifter Breakout J1 Umbillical Header
1: Black	GND1
2: White	GND2
3: Red	+VBATT_EXT1
4: Green	+VBATT_EXT2
5: Orange	VPP_CS1
6: Blue	VPP_CS2
7: White/black	AUX0
8: Red/black	AUX1
9: Green/black	AUX2

T8 CHARGE PROG
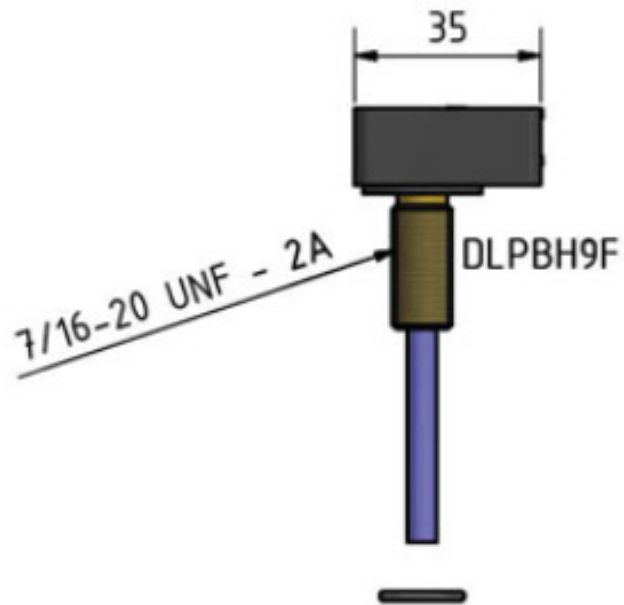

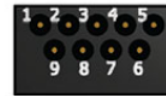44.5

22.5

21

7/16-20 UNF - 2A

LPBH9F
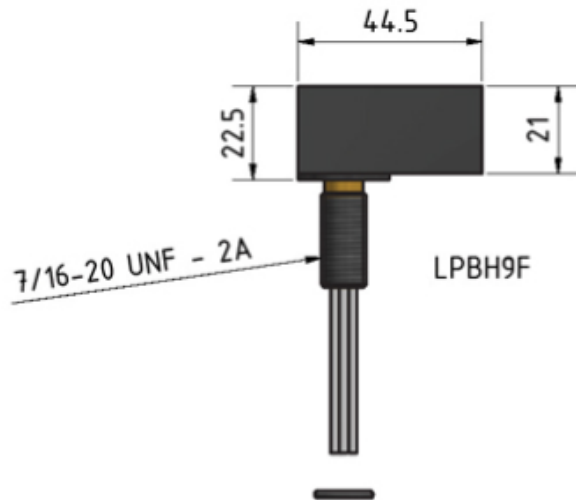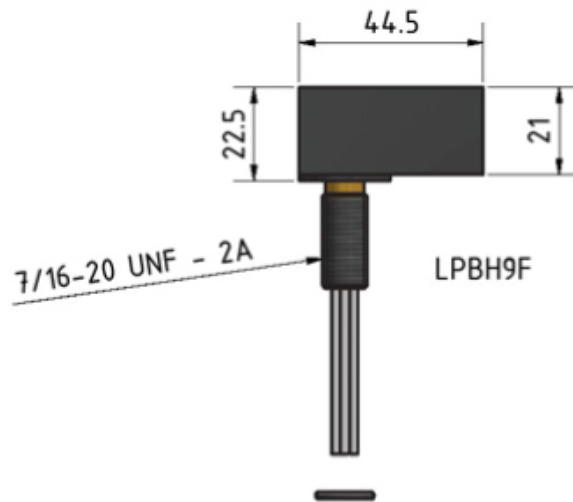
Inline cable colour code | **Drifter Breakout J2 Charge Prog Header**

1: Black — GND1
2: White — GND2
3: Red — +VBATT1
4: Green — +VBATT2
5: Orange — BATTERY_SPLIT1
6: Blue — CABLE_DETECT
7: White/black — U2TX_PROG
8: Red/black — U2RX_PROG
9: Green/black — VPP

T9 ETHERNET

Face view (male)

Inline cable colour code

1-2: Brown, Brown/white*

3-4: Blue, Blue/white*

5-6: Orange, Orange/white*

7-8: Green, Green/white*

9: Screen (orange wire on bulkhead)

35

7/16-20 UNF - 2A

DLPBH9F