



1. LEMO Connector 8 Pin P/N: FGG.1K.308.CLAC60Z

Pins	Colour	Function
1	Black	Power Ground
2	Red	Power Supply
3	Grey/Black Stripe	1PPS
4	White/Green Stripe	Ethernet T_P
5	Green	Ethernet T_N
6	White/Orange Stripe	Ethernet R_P
7	Orange	Ethernet R_N
8	Grey	GPIO Ground
Shield	-	Cable Braided Shield

3. Ethernet: RJ45 Connector

Pins	Colour	Function
Shield	-	Cable Braided Shield
1	White/Green Stripe	T_P
2	Green	T_N
3	White/Orange Stripe	R_P
4	-	-
5	-	-
6	Orange	R_N
7	-	-
8	-	-

4. 1PPS: Female DB9 Connector

Pins	Colour	Function
2	Grey/Black Stripe	1PPS
5	Grey	GPIO Ground

5. Power Socket (2.1 x 5.5 mm DC Female Socket)

Pins	Colour	Function
Ring	Black	Power Ground
Tip	RED	Power Supply

No.	Description
1	Single Alignment Key 8 pin LEMO Connector P/N: FGG.1K.308.CLAC60Z
2	8 Core Cable
3	RJ45 Connector
4	Dsub 9 pins Female Connector
5	DC Power Socket

Assembly Notes:

- A. Cable Specifications
 - 8 x 24 AWG conductors with FEP insulation
 - 38 AWG cable shield
 - Black TPE Max 5.5-6mm OD Jacket
- B. DC Power Socket dimensions: 2.1 mm x 5.5 mm
- C. Given cable dimensions ± 10 mm
- D. Assembly Weight: 210g
- E. Temp Rating -40 to 85 C
- F. Minimum Bend Radius: 50 mm

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS		NAME	DATE	ADVANCED NAVIGATION PTY LTD 37 PITT ST SYDNEY NSW 2000 TITLE: CERTUS 8-PIN BREAKOUT CABLE PART NUMBER: LEMO-8-CABLE-BREAKOUT SIZE A3 DWG. NO. CRTUS-CBLS-010-10 REV 1.0
TOLERANCES: DECIMALS: .XX ± .010 .XXX ± .005 ANGULAR: ± 1		DRAWN	TM 05/12/19	
		CHECKED	DR 05/12/19	
		RELEASED	CS 05/12/19	
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