3rd ANGLE PROJECTION

THIS DOCUMENT AND THE DESIGN SHOWN THEREON IS THE PROPERTY OF ROJONE PTY LTD AND MUST NOT BE SOLD, LENT,GIVEN AWAY, COPIED, REPRODUCED OR OTHERWISE DIVULGED TO ANY THIRD PARTY OR USED FOR MANUFACTURE, OR ANY OTHER PURPOSE WITHOUT DIRECT WRITTEN PERMISSION OF ROJONE PTY LTD.

DO NOT SCALE

SPEC for A-G105NA5X23201CSMAXI

Receiver:	uNAV 8 MB
Operating Voltage:	5 Volts
Current Draw:	0.05 to 0.06 AMPS @ 5 Volts
Output:	4800 Baud
Housing:	Enviro MAXI
Mounting:	4 Screws M4 Thd
Connector:	RJ45
Cable:	9 Core Shielded Side Exit 5m Long

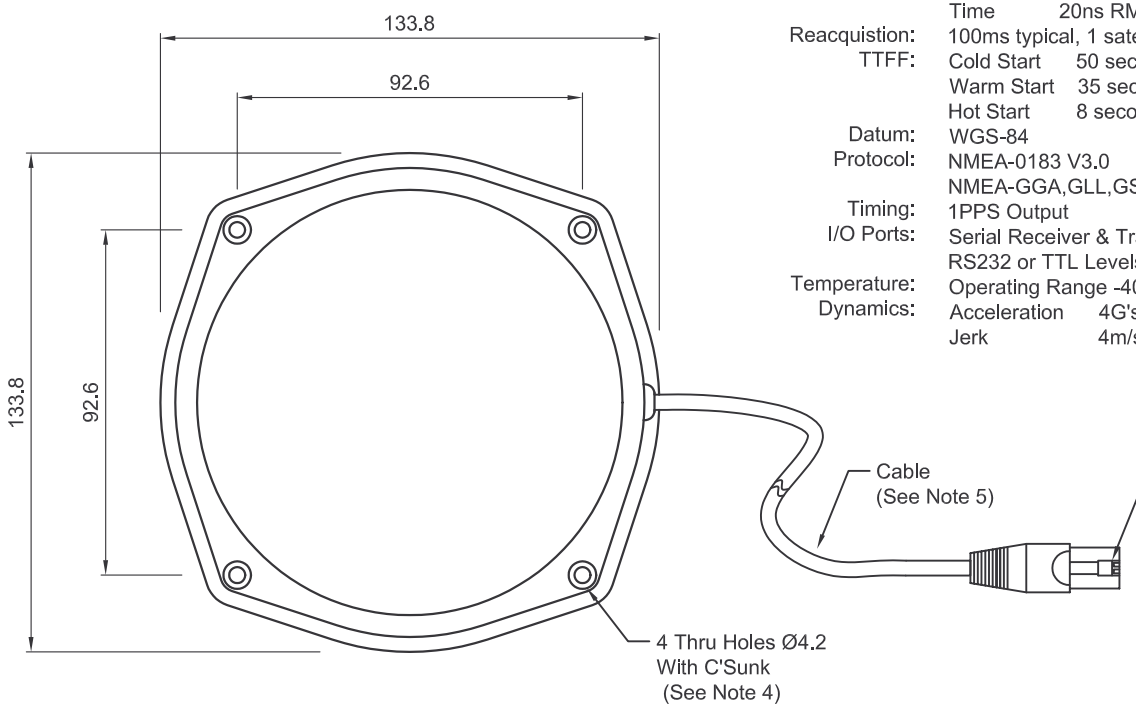
Receiver Performance Spec

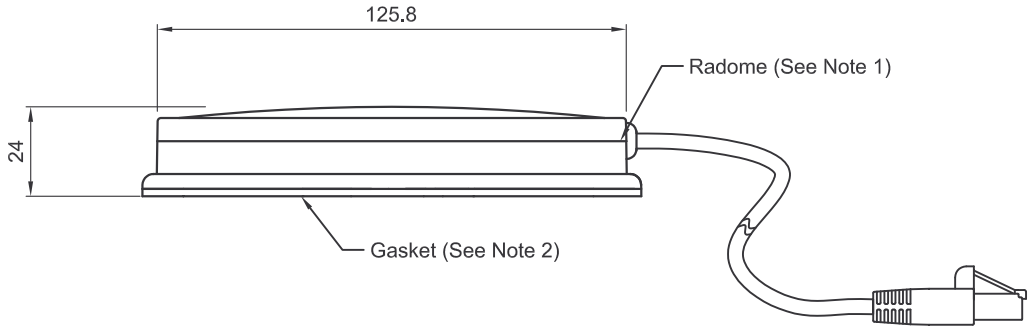
Chipset:	uNAV 8 MB
General:	L1 Freq 1575.42MHz CA Code (SPS) 12 Independent Tracking Channels Separate Search & Acquesition Engine
Update Rate:	1 Fix per second - 1 Hz 2 Fixes per second - 2 Hz
Accuracy:	Position 6 Meters CEP Velocity 0.2 m/s (50%) Time 20ns RMS (static mode)
Reacquistion:	100ms typical, 1 satellite (signal reacquisition)
TTFF:	Cold Start 50 seconds typically Warm Start 35 seconds Hot Start 8 seconds
Datum:	WGS-84
Protocol:	NMEA-0183 V3.0 NMEA-GGA,GLL,GSA,GSV,RMC, ZDA & VTG
Timing:	1PPS Output
I/O Ports:	Serial Receiver & Transmit RS232 or TTL Levels
Temperature:	Operating Range -40 ~ +85 °C
Dynamics:	Acceleration 4G's Jerk 4m/s3

Rojone Part Number

A - G1 05 N A 5 X 232 01 CS MAXI

Blank	For std MINI housing package
MAXI	Enviro Radome
MAC	Mac software driver for USB only
CS	4800 baud rate std Special version
	Mounting options
01	No mounting accessories
02	Magnetic mounting
05	Pole mount (MAXI only)
232	RS232 interface
USB	USB interface
X	Standard engine
1	Cable length in meters 1=1 meters (3.28ft); 5 meters max. (16.4ft)
	Connector type
A	8 pin modular plug RJ45 type
B	9 way D plug
C	9 way D socket
D	9 way D socket with cig lighter power plug
E	25 way D socket with 3 pin power plug
N	No connector
T	8 pin waterproof circular (MAXI only)
U	USB A connector
Z	Custom specification
N	NMEA output protocol cold start
	Supply voltage options
05	5 Volts or 5 Volts for USB only
08	8 to 30 Volts switchmode
G1	Genius 1
A	Antenna





RJ45 PINOUT for A-G105NA5X23201CSMAXI

9-CORE CABLE	8 WAY PINS	FUNCTION
RED	PIN 3	5 VOLTS
BLACK	PIN 4	GND
WHITE/PURPLE	PIN 5	TXA
BROWN	PIN 6	RXA

NOTE:

1/ 20% TALC FILLED POLYPROPYLENE HOUSING & BASE

2/ BLACK NEOPRENE, 45 TO 55 DUROMETER, MOUNTING GASKET

3/ ONLY 4 WIRES TO BE USED INTO CONNECTOR RJ45 SEE RJ45 PINOUT LEGEND

4/ UNIT MAY BE MOUNTED BY REMOVING 4 SCREWS FROM BASE. SCREWS TO BE STAINLESS 304 GRADE.

5/ USE 9 CORE SHIELDED CABLE SIDE EXIT. LENGTH SEE PART NUMBER WITH SPREADOUT

6/ UNIT TO BE SEALED WITH NON-CORROSIVE SILICON AT CABLE ENTRY POINTS& O'RING

7/ HOUSING INCORPORATES O'RING SEAL

REVISION	DATE	CHECKED
A	20-04-2005	B. G.
B	21-04-2005	B. G.

ROJONE PTY LTD ACN 002691241
61 AERO RD INGLEBURN 2565
SYDNEY, AUSTRALIA
Ph: (612) 9829 1555 Fax: (612) 9605 8812
Web: www.rojone.com.au E-mail: sales@rojone.com.au

TITLE: INTERFACE DRAWING FOR GENIUS MAXINAV RECEIVER (TECHNISYST)

DRWG No: 008329001041

MATERIAL	–
FINISH	–
DRAWN	Y. GU
CHECKED	B. G.
APPROVED	B. G.
SCALE	1:1
SHEET	1 OF 1
FILENAME	008329001041ISSB.DWG
	A2

UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES (mm) | TOLERANCE: LINEAR ±0.1 ANGULAR ±1° | REMOVE ALL BURRS AND SHARP EDGES