Please refer to CD Rev 1.0.3, under the directory "/Pictures/Detailed Views", for pictures of OEM Module inside the case:

- "DSCF0017.jpg" shows the OEM module inside its case, with the bottom cover removed;
- "DSCF0001.jpg" shows the top view of the radio modem. The LEDs and pushbutton can be seen in this view. Refer to User Manual [9] for detailed description of user interface;
- "DSCF0010.jpg" is a front detail of the RF connector, with the FCC connector fitted;
- "DSCF0011.jpg" is a side detail of the RF connector;
- "DSCF0002.jpg" shows a detail of the DB-25 connector.

4.4 Transmitter views

4. Please supply closer and more detailed views of the transmitter board. Both sides with and without shields are required. The components must be clearly visible.

Please refer to CD Rev 1.0.3, under the directory "/Pictures/Detailed Views", for detailed views of the transmitter section:

- "9256 OEM Top.jpg": Whole view of the top (primary or component side) of the module, showing the IDC connected, for illustration purposes only.
- "9256 OEM Bottom.jpg": Whole view of the bottom (secondary or solder side) of the module, showing the IDC connected, for illustration purposes only.
- "9256 OEM Top detail 2.jpg": Top view of the top (primary or component side) of the module, with focus on the RF section. Shown with OEM and VCO cans removed.
- "9256 OEM Bottom detail 2.jpg": Bottom (secondary or solder side) view of the module, with focus on transmitter ground plane:
- "9256 OEM can1.jpg": Top view of the top (primary or component side) of the module, with OEM can removed. VCO can is shown. Tabs on top of VCO can connect to OEM can.
- "9256 OEM TX strip.jpg": Detailed view of the transmitter section of the RF transceiver. The VCO canned section has been removed for the sake of clarity.

4.5 Antenna connector specifications

5. Please supply the specifications of the antenna connector on the board.

Please refer to CD Rev 1.0.3, under the directory "/BNC Connector", for detailed views of the transmitter section:

- "FCC_FERRULE.PDF" is the mechanical drawing for the ferrule and contains all required specifications for its manufacture;
- "FCC_BNC_CONNECTOR.PDF "is the mechanical drawing for the matching BNC connector and also contains all required specifications for its manufacture.

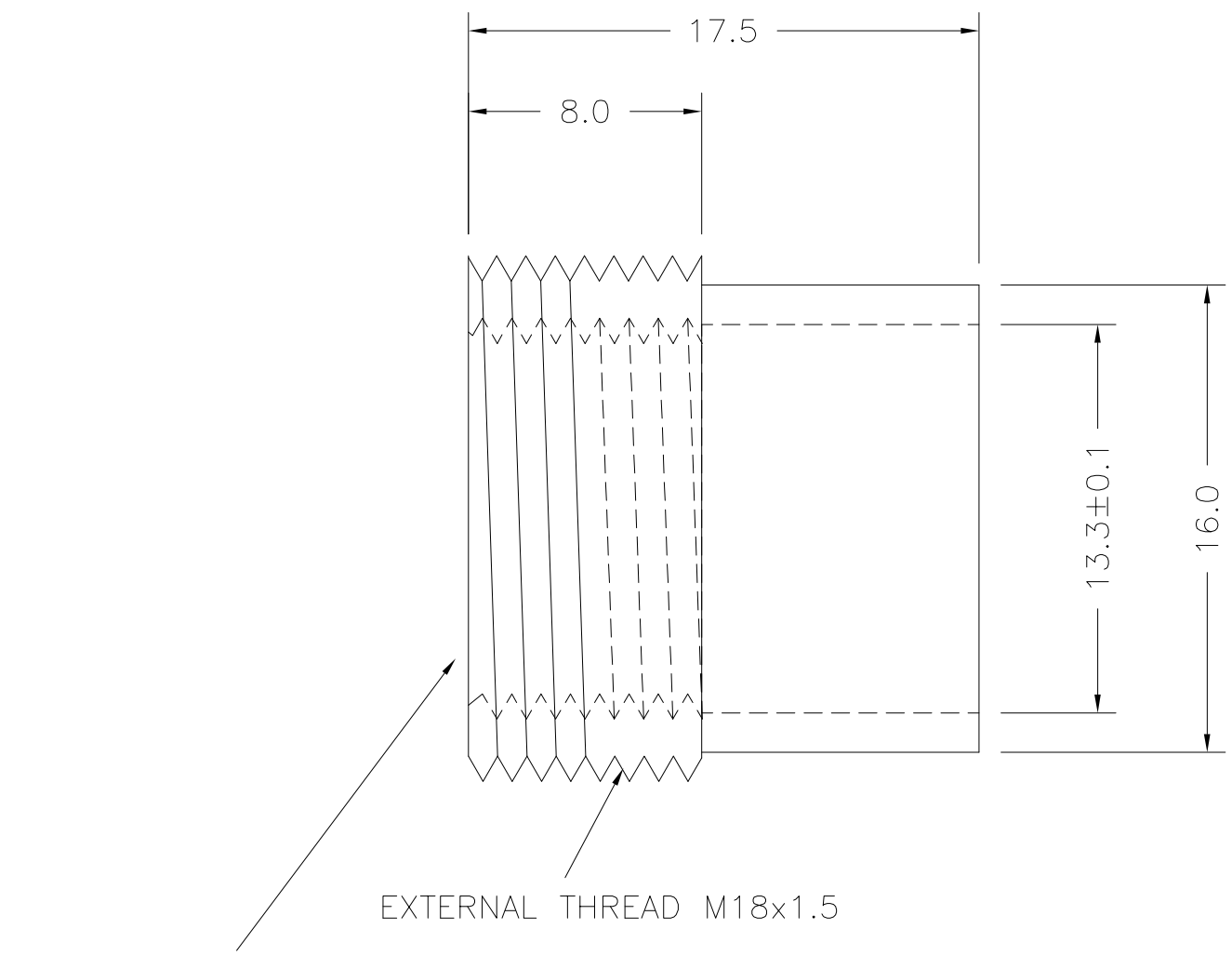
The transmitter is fitted with a standard right-angle shielded PCB-mount female BNC connector. This connector is modified by way of fitting a shroud over its mating end (refer to "FCC_FERRULE.PDF"). The shroud is then screwed on and permanent secured with thread locking adhesive (Loctite). There are no provisions for gripping facilities on the shroud, thus separation of the two parts is near impossible.

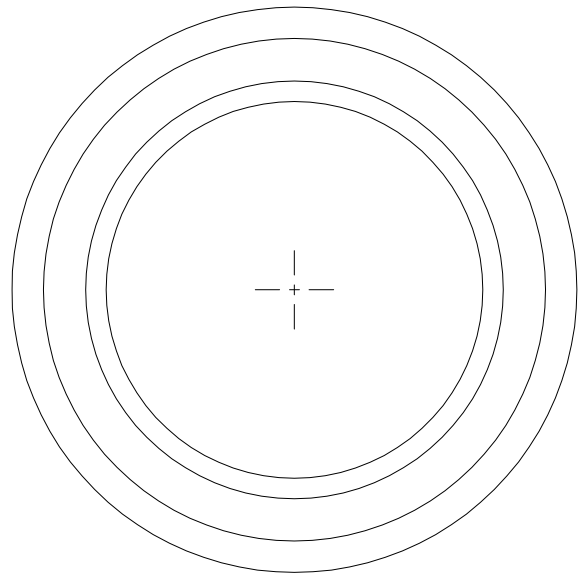
This modification turns a "standard BNC" connector into a non-standard "unique BNC" connector. The shroud fitted over the transmitter board connector limits the diameter of a connector that this connector can accept, thus a "BNC connector" with a smaller overall diameter is required. A non-modified (standard) BNC antenna cable connector can not be connected to the transmitter board.

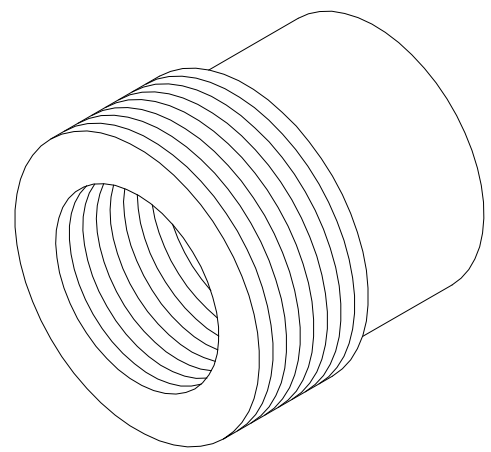
The supplied antenna coaxial cable is fitted with a modified male BNC (modified connector as shown in "FCC_BNC_CONNECTOR.PDF"), which allows mating of the two connectors: transmitter and antenna.

4.6 Label

6. Please specify the label material and supply a placement photo on the device.







REMOVE ALL BURRS AND SHARP EDGES

REVISIONS.	No.	MADE BY	DATE	REMARKS

THIRD ANGLE PROJECTION

DIMENSIONS IN MILLIMETRES

MATERIAL: ALUMINIUM ROD/PIPE

GENERAL TOLERANCES:
WHOLE DIMS ±0.5mm
1 DEC PLACE ±0.2mm
UNLESS OTHERWISE STATED

FINISH: ALODINED

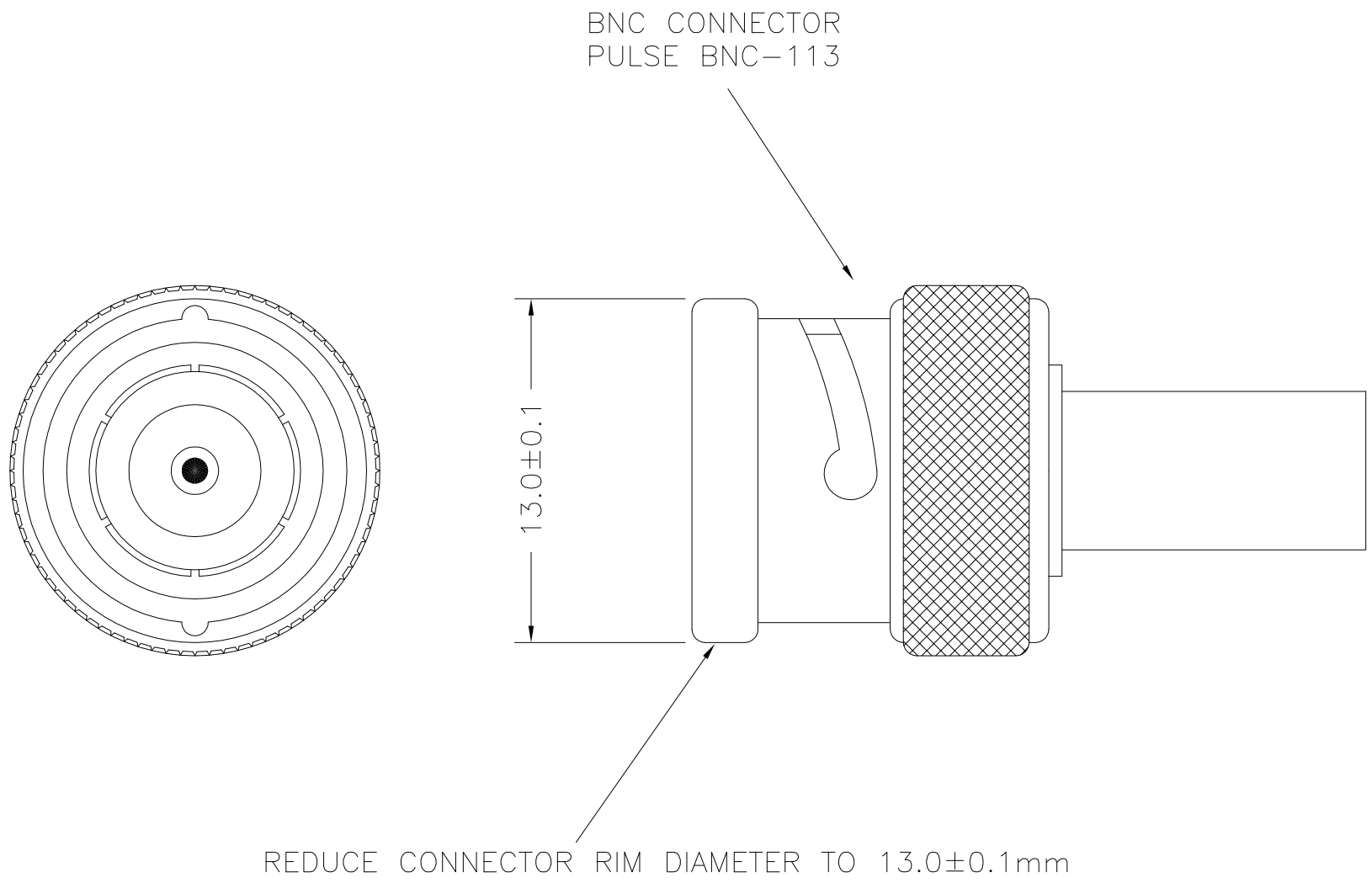
DESIGNED.	
DRAWN.	F.HORVATH
CHECKED.	
APPROVED.	
DATE.	03/05/04
SCALE.	4 : 1

RF INNOVATIONS
Radio Frequency Manufacturing and Design Engineers
22 BOULDER ROAD, MALAGA W.A. 6090 TEL: 9209 0900 FAX: 9248 2833

TITLE
HI SPEED DIG. MODEM
FCC (APPROVAL)
BNC FERRULE

SHEET No. 1 OF 1

DRG/FILE No. 925AM036 REV.



REMOVE ALL BURRS AND SHARP EDGES

REVISIONS. No.	MADE BY	DATE	REMARKS

THIRD ANGLE PROJECTION
DIMENSIONS IN MILLIMETRES

MATERIAL: AS ABOVE

GENERAL TOLERANCES:
WHOLE DIMS ±0.5mm
1 DEC PLACE ±0.2mm
UNLESS OTHERWISE STATED

FINISH: AS ABOVE

DESIGNED.	
DRAWN.	F.HORVATH
CHECKED.	
APPROVED.	
DATE.	13/12/01
SCALE.	4 : 1

RF INNOVATIONS
Radio Frequency Manufacturing and Design Engineers
22 BOULDER ROAD, MALAGA W.A. 6090 TEL: 9209 0900 FAX: 9248 2833

TITLE
HI SPEED DIG. MODEM
FCC (APPROVAL)
MODIFIED BNC CONN.

SHEET No. 1 OF 1

DRG/FILE No. 925AM020 REV.