

5.0 Antenna Specifications:

5.1 Nominal Frequency:

- 001 2.45 GHz
- 101 2.45 GHz and 5.5 GHz

5.2 Frequency Range:

- 001 2400 MHz to 2485 MHz
- 101 2400 to 2495 MHz and 5150 to 5825 MHz

5.3 Peak Antenna Gain: +1 dBi nominal

5.4 VSWR: 2.0:1 max over frequency range when installed

5.5 Power: Not specified

5.6 Polarization: -001 - Picolink and primary 802.11b/g antennas -linear vertical, 802.11b/g diversity antenna - linear horizontal
-101 - Picolink - linear vertical, primary 802.11a/b/g - antenna linear, 802.11a/b/g diversity antenna - linear horizontal

5.7 Nominal Impedance: 50 Ohms

6.0 Mechanical Ratings:

6.1 Antenna Weight: Not specified

6.2 Ambient Operating Temperature: Not specified

6.3 Antenna Interconnection Means: Hirose U.FL or equivalent, MMCX, and reverse polarized SMA

7.0 Materials:

7.1 Radiator Element:

- 001 : 18 gauge wire, and PCB embedded
- 101 : D-Puck element, and PCB embedded

7.2 Coaxial Interconnection Means: Hirose U.FL receptacle or equivalent (for 802.11 antennas), reverse polarized SMA receptacle, and MMCX receptacle (for PicoLink antenna)

7.3 Reverse Polarized SMA Receptacle: Centurion P/N CAP34270 or equivalent

7.4 Reverse Polarized SMA Gasket Material: Poron™ urethane gasket material, 3.0 mm thick with adhesive coating on one side (see Paragraph 8.1)

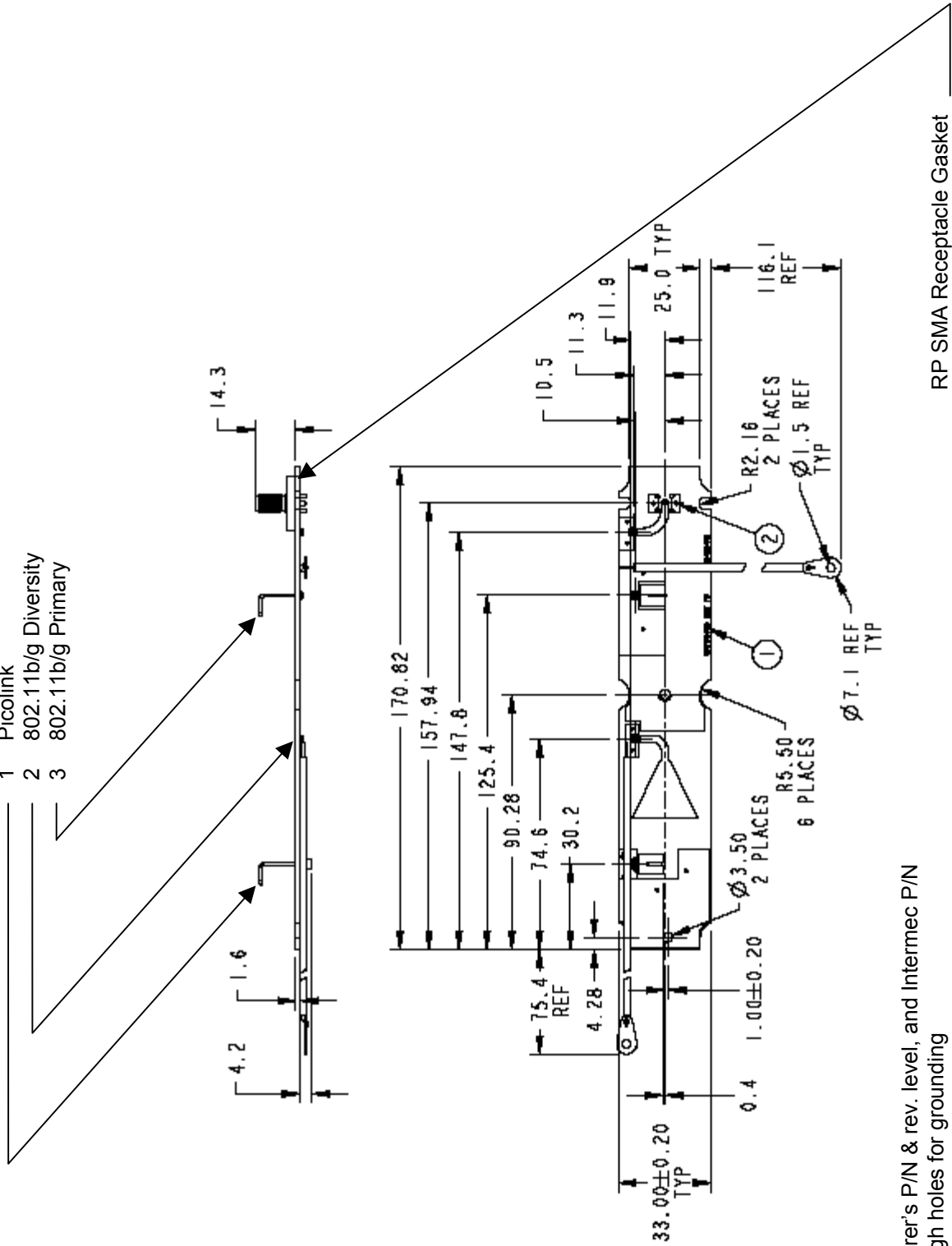
7.5 Ground Wires (2 ea.): Undefined insulated wire

7.6 Ring Terminals (2 ea.): Solder style, uninsulated, tin-lead plated brass terminals, 1.5 mm (ref.) diameter clearance hole size

8.0 Outline Drawing (mm): 2.4GHz Antenna Assembly, -001 Part

ANTENNA RADIATORS:

- 1 Picolink
- 2 802.11b/g Diversity
- 3 802.11b/g Primary



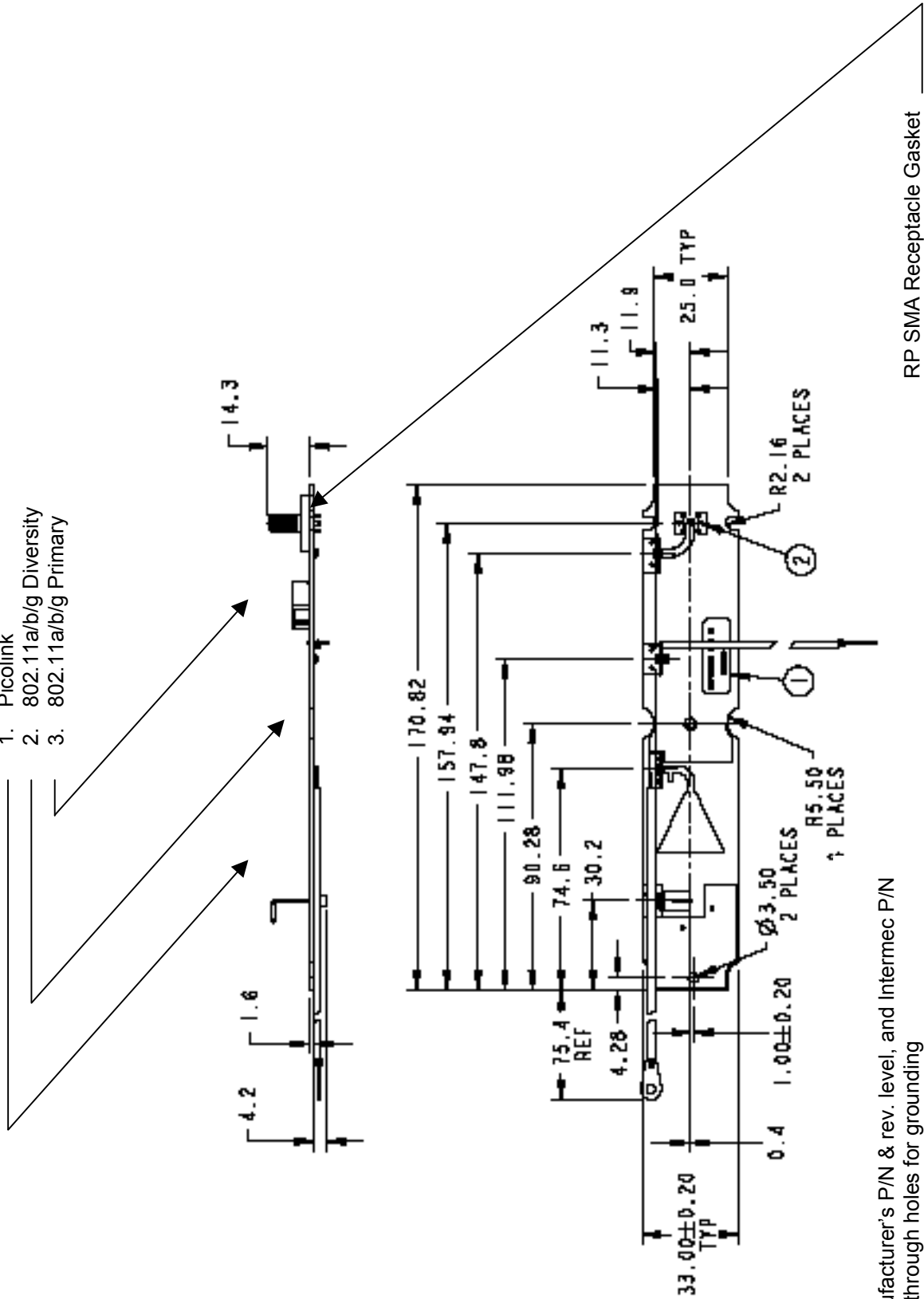
RP SMA Receptacle Gasket
(See Detail Paragraph 8.1)

- NOTES:
1. Manufacturer's P/N & rev. level, and Intermec P/N
 2. Two through holes for grounding

8.1 Outline Drawing (mm): 2.4/5.5 GHz Antenna Assembly, -101 Part

ANTENNA RADIATORS:

1. Picolink
2. 802.11a/b/g Diversity
3. 802.11a/b/g Primary

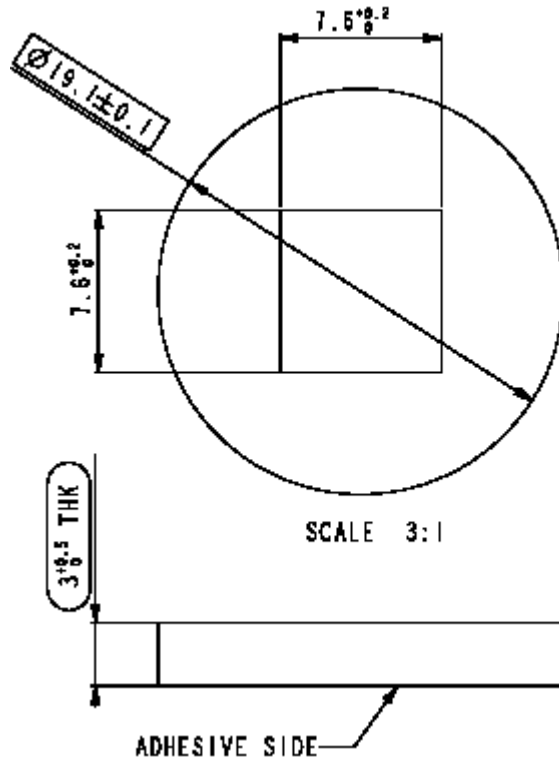


NOTES:

1. Manufacturer's P/N & rev. level, and Intermec P/N
2. Two through holes for grounding

RP SMA Receptacle Gasket
(See Detail Paragraph 8.1)

8.2 SMA Gasket Detail Drawing (mm):



Material:

Die-cut, flame retardant polyurethane, dark gray color, Rogers Poron #4701-40-20125-04 or equivalent with 3M #9425PC double coated polyester tape (one side)