

The schematic diagram illustrates the electrical connections for the CC2500 module. The module's pins are connected to a microcontroller (U1) and various external components:

- Microcontroller (U1) Connections:**
  - RF\_P, RF\_N:** Connected to the antenna (X2) via a differential pair.
  - RBIAS:** Connected to a biasing network (R171, R172).
  - AVDD:** Connected to the positive supply voltage.
  - GND:** Connected to ground.
  - IO pins (GDO0, GDO2, CSn, SCLK, S1, SO, XOSC\_Q1, XOSC\_Q2, DVDD, DCOUPL, DGUARD):** Connected to the microcontroller's corresponding pins.
- Antenna (X2):** A folded dipole antenna connected to the RF\_P and RF\_N pins.
- Passive Components:**
  - Resistors:** R171 (56k), R172 (56k), R173 (10k), R174 (10k), R175 (10k), R176 (10k), R177 (10k), R178 (10k), R179 (10k), R180 (10k), R181 (10k), R182 (10k), R183 (10k), R184 (10k), R185 (10k), R186 (10k), R187 (10k), R188 (10k), R189 (10k), R190 (10k), R191 (10k), R192 (10k), R193 (10k), R194 (10k), R195 (10k), R196 (10k), R197 (10k), R198 (10k), R199 (10k), R200 (10k).
  - Capacitors:** C1 (100nF), C2 (100nF), C3 (100nF), C4 (100nF), C5 (100nF), C6 (100nF), C7 (100nF), C8 (100nF), C9 (100nF), C10 (100nF), C11 (100nF), C12 (100nF), C13 (100nF), C14 (100nF), C15 (100nF), C16 (100nF), C17 (100nF), C18 (100nF), C19 (100nF), C20 (100nF), C21 (100nF), C22 (100nF), C23 (100nF), C24 (100nF), C25 (100nF), C26 (100nF), C27 (100nF), C28 (100nF), C29 (100nF), C30 (100nF), C31 (100nF), C32 (100nF), C33 (100nF), C34 (100nF), C35 (100nF), C36 (100nF), C37 (100nF), C38 (100nF), C39 (100nF), C40 (100nF), C41 (100nF), C42 (100nF), C43 (100nF), C44 (100nF), C45 (100nF), C46 (100nF), C47 (100nF), C48 (100nF), C49 (100nF), C50 (100nF), C51 (100nF), C52 (100nF), C53 (100nF), C54 (100nF), C55 (100nF), C56 (100nF), C57 (100nF), C58 (100nF), C59 (100nF), C60 (100nF), C61 (100nF), C62 (100nF), C63 (100nF), C64 (100nF), C65 (100nF), C66 (100nF), C67 (100nF), C68 (100nF), C69 (100nF), C70 (100nF), C71 (100nF), C72 (100nF), C73 (100nF), C74 (100nF), C75 (100nF), C76 (100nF), C77 (100nF), C78 (100nF), C79 (100nF), C80 (100nF), C81 (100nF), C82 (100nF), C83 (100nF), C84 (100nF), C85 (100nF), C86 (100nF), C87 (100nF), C88 (100nF), C89 (100nF), C90 (100nF), C91 (100nF), C92 (100nF), C93 (100nF), C94 (100nF), C95 (100nF), C96 (100nF), C97 (100nF), C98 (100nF), C99 (100nF), C100 (100nF), C101 (100nF), C102 (100nF), C103 (100nF), C104 (100nF), C105 (100nF), C106 (100nF), C107 (100nF), C108 (100nF), C109 (100nF), C110 (100nF), C111 (100nF), C112 (100nF), C113 (100nF), C114 (100nF), C115 (100nF), C116 (100nF), C117 (100nF), C118 (100nF), C119 (100nF), C120 (100nF), C121 (100nF), C122 (100nF), C123 (100nF), C124 (100nF), C125 (100nF), C126 (100nF), C127 (100nF), C128 (100nF), C129 (100nF), C130 (100nF), C131 (100nF), C132 (100nF), C133 (100nF), C134 (100nF), C135 (100nF), C136 (100nF), C137 (100nF), C138 (100nF), C139 (100nF), C140 (100nF), C141 (100nF), C142 (100nF), C143 (100nF), C144 (100nF), C145 (100nF), C146 (100nF), C147 (100nF), C148 (100nF), C149 (100nF), C150 (100nF), C151 (100nF), C152 (100nF), C153 (100nF), C154 (100nF), C155 (100nF), C156 (100nF), C157 (100nF), C158 (100nF), C159 (100nF), C160 (100nF), C161 (100nF), C162 (100nF), C163 (100nF), C164 (100nF), C165 (100nF), C166 (100nF), C167 (100nF), C168 (100nF), C169 (100nF), C170 (100nF), C171 (100nF), C172 (100nF), C173 (100nF), C174 (100nF), C175 (100nF), C176 (100nF), C177 (100nF), C178 (100nF), C179 (100nF), C180 (100nF), C181 (100nF), C182 (100nF), C183 (100nF), C184 (100nF), C185 (100nF), C186 (100nF), C187 (100nF), C188 (100nF), C189 (100nF), C190 (100nF), C191 (100nF), C192 (100nF), C193 (100nF), C194 (100nF), C195 (100nF), C196 (100nF), C197 (100nF), C198 (100nF), C199 (100nF), C200 (100nF), C201 (100nF), C202 (100nF), C203 (100nF), C204 (100nF), C205 (100nF), C206 (100nF), C207 (100nF), C208 (100nF), C209 (100nF), C210 (100nF), C211 (100nF), C212 (100nF), C213 (100nF), C214 (100nF), C215 (100nF), C216 (100nF), C217 (100nF), C218 (100nF), C219 (100nF), C220 (100nF), C221 (100nF), C222 (100nF), C223 (100nF), C224 (100nF), C225 (100nF), C226 (100nF), C227 (100nF), C228 (100nF), C229 (100nF), C230 (100nF), C231 (100nF), C232 (100nF), C233 (100nF), C234 (100nF), C235 (100nF), C236 (100nF), C237 (100nF), C238 (100nF), C239 (100nF), C240 (100nF), C241 (100nF), C242 (100nF), C243 (100nF), C244 (100nF), C245 (100nF), C246 (100nF), C247 (100nF), C248 (100nF), C249 (100nF), C250 (100nF), C251 (100nF), C252 (100nF), C253 (100nF), C254 (100nF), C255 (100nF), C256 (100nF), C257 (100nF), C258 (100nF), C259 (100nF), C260 (100nF), C261 (100nF), C262 (100nF), C263 (100nF), C264 (100nF), C265 (100nF), C266 (100nF), C267 (100nF), C268 (100nF), C269 (100nF), C270 (100nF), C271 (100nF), C272 (100nF), C273 (100nF), C274 (100nF), C275 (100nF), C276 (100nF), C277 (100nF), C278 (100nF), C279 (100nF), C280 (100nF), C281 (100nF), C282 (100nF), C283 (100nF), C284 (100nF), C285 (100nF), C286 (100nF), C287 (100nF), C288 (100nF), C289 (100nF), C290 (100nF), C291 (100nF), C292 (100nF), C293 (100nF), C294 (100nF), C295 (100nF), C296 (100nF), C297 (100nF), C298 (100nF), C299 (100nF), C300 (100nF), C301 (100nF), C302 (100nF), C303 (100nF), C304 (100nF), C305 (100nF), C306 (100nF), C307 (100nF), C308 (100nF), C309 (100nF), C310 (100nF), C311 (100nF), C312 (100nF), C313 (100nF), C314 (100nF), C315 (100nF), C316 (100nF), C317 (100nF), C318 (100nF), C319 (100nF), C320 (100nF), C321 (100nF), C322 (100nF), C323 (100nF), C324 (100nF), C325 (100nF), C326 (100nF), C327 (100nF), C328 (100nF), C329 (1

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PROJECT NO. 02552	COMPANY NAME Texas Instruments		
APPROVALS	DATE	DWG CC2500EM	
DRAWN	FRS	Folded dipole antenna	
CHECKED		SIZE A3	REV. 1.1
ISSUED		SCALE	SHEET 1(1)