Budget for CARMA correlator upgrade  
May 30, 2006

Evaluation boards, etc. (spent) $60,000

NRE: outside engineering and board layout $185,000

Prototyping: setup, parts and fabrication $44,000

Parts for board loaded as a digitizer (excluding FPGAs) $1,000
Parts for board loaded as a correlator (excluding FPGAs) $600
Production: handling and fabrication of 100 boards $191,000

Altera FPGAs $48,000

Crates + cabling + misc. $72,000

Thermal analysis $10,000

Custom software: drivers, bootloader, etc. $50,000

Total $665,000

Contingency, tax, shipping, etc. (20%) $135,000

Grand total $800,000

(All prices based on at least one valid quote)