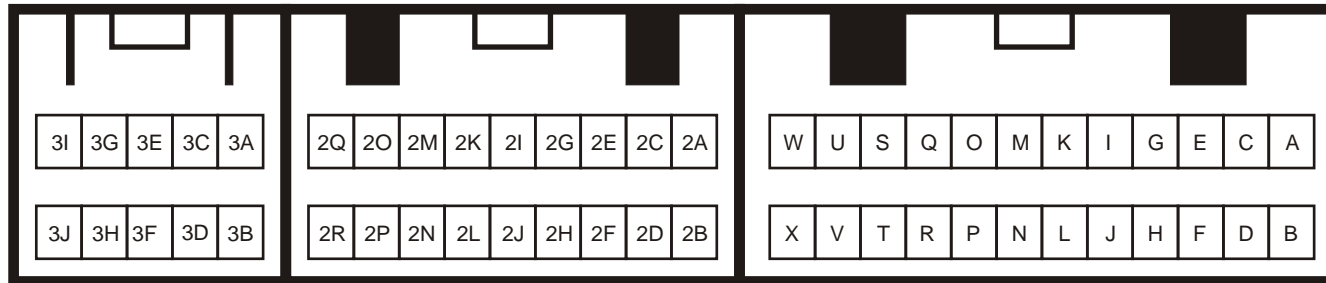


## ECU PINS - MALE PIN VIEW



**3A** - Power Ground  
**3B** - Starting Signal - Not Used  
**3C** - Injector Output #3, Injector Output #4  
**3D** - Not Used  
**3E** - Injector Output #1, Injector Output #2  
**3F** - Staged Injector Output  
**3G** - Power Ground  
**3H** - Staged Injector Output  
**3I** - +12V In  
**3J** - Constant +12V - Not Used

**2A** - +5V Output  
**2B** - External MAP Sensor Signal  
**2C** - Sensor Ground  
**2D** - Oxygen Sensor Signal  
**2E** - Not Used  
**2F** - Not Used  
**2G** - Throttle Position Sensor Signal  
**2H** - Barometric Pressure Sensor - Not Used  
**2I** - Engine Temperature Sensor Signal  
**2J** - Not Used  
**2K** - Aux 3 Output - Turbo Control Valve  
**2L** - Air Temperature Sensor  
**2M** - Pressure Regulator Control Valve - Not Used  
**2N** - EGR - Not Used  
**2O** - Switching Valve - Not Used  
**2P** - Aux 2 - Relief Solenoid  
**2Q** - Idle Air  
**2R** - Sensor Ground

**A** - Check Connector - Not Used  
**B** - Tacho Output - Not Used  
**C** - Aux 4 Output - Air Bypass Valve  
**D** - Check Connector - Not Used  
**E** - Aircon Control  
**F** - Aircon Control  
**G** - Neutral Switch - Not Used  
**H** - Water Temperature Switch - Not Used  
**I** - Split Air Valve - Not Used  
**J** - Check Connector - Not Used  
**K** - Aux 1 Output - Not Normally Connected  
**L** - Aux 3 Input - Clutch Switch  
**M** - Ignition Feedback to Original ECU - Not Used  
**N** - Trigger Sync Signal  
**O** - Boost Control - Not Normally Connected  
**P** - Trigger Sync Signal Ground  
**Q** - Aux 4 Output - Idle Speed Motor Position - Not Used  
**R** - Vehicle Speed Sensor - Not Used  
**S** - Aux 5 Output - Port Air Solenoid  
**T** - Trigger Reference Signal  
**U** - Ignition Output #3 - Trailing Ignition Select  
**V** - Ignition Output #2 - Leading Ignition Coil  
**W** - Exhaust Overtemp Warning Light - Not Used  
**X** - Ignition Output #1 - Trailing Ignition Timing Signal

Mazda RX7 S4 Pinouts

Date: 8/12/05

Rev 001

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