GENERAL INFORMATION:

SIMPLWINDOWS NAME:	Qsys Core
CATEGORY:	Qsys
VERSION:	3.0.0
SUMMARY:	Multiple core modules can be used in the same program slot. This module has a built in reconnect feature.
GENERAL NOTES:	N/A
CRESTRON HARDWARE REQUIRED:	3 Series Processor or 4 Series Processor
SETUP OF CRESTRON HARDWARE:	TCP managed inside the module.
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A

CONTROL:

Initialize	D	Pulse to Initialize connection to the Q-SYS Core. Pulse this after UseExternalConnection have been set to their desired states.
[PrimaryCoreIpAddress]	S	IP Address or Hostname of the primary Q-SYS Core to connect to. This will cause the module to reconnect when changed.
[BackupCoreIpAddress]	S	IP Address or Hostname of the backup Q-SYS Core to connect to. This will cause the module to reconnect when changed.
[Port]	A	Port used to connect on both the primary and backup core. This will cause the module to reconnect when changed.
[Username]	S	Username used to log into the Q-SYS Core.
	S	Password used to log into the Q-SYS Core.
[Debug]	A	Specifies the Debug level for the program: 0: Off 1: Normal Debug 2: Verbose Debug Debug prints to Console Output.
[UseExternalConnection]	D	Raise to handle TCP connection outside of this module.
[ExternalConnectionRx]	S	Rx from the external TCP socket.

FEEDBACK:

[IsInitialized]	D	Signal used to show if the Q-SYS Core has been initialized.
[PrimaryCoreIsConnected]	D	Signal used to show if the primary Q-SYS Core is communicating.
[BackupCoreIsConnected]	D	Signal used to show if the backup Q-SYS Core is communicating.
[PrimaryCoreIsActive]	D	Signal used to show if the primary Q-SYS Core is actively running the design.
[BackupCoreIsActive]	D	Signal used to show if the backup Q-SYS Core is actively running the design.
[IsLoggedIn]	D	Signal used to show if this module is logged in with the Q-SYS Core.
[IsRedundant]	D	Signal used to show if the Q-SYS Core is redundant.
[IsEmulator]	D	Signal used to show if the Q-SYS Core is connected to an emulated file.
[DesignName]	S	Signal used to show the current running design on the Q-SYS Core.
[ExternalConnectionTx]	S	Tx to the external TCP socket.

PARAMETERS:

Core ID	S	Used to Address Core Module to Control Modules. Note: this is not associated with the Cores hostname.
Default Primary Core IP Address	S	The default IP Address or Hostname of the primary Q-SYS Core to connect to.
Default Backup Core IP Address	S	The default IP Address or Hostname of the backup Q-SYS Core to connect to. Set this parameter to an empty string if the design is not redundant.
Default Port		The default port used to connect on both the primary and backup core. The default port is set to 1710d.
Default Username	S	Default username used to log into the Q-SYS Core.
Default Password	S	Default password used to log into the Q-SYS Core.

TESTING:

SAMPLE PROGRAM:	3-Series: 3 Series Test.smw 4-Series: 4 Series Test.smw
REVISION HISTORY:	