CERTIFIED INTEGRATED PARTNER

Partner: QSC-Q-SYS
Model: Q-SYS Cores
Device Type: DSP

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Q-SYS [Core Backup Handler] V5.3
CATEGORY:	Q-SYS V5
VERSION:	V5.3
SUMMARY:	This module is used to handle the backup/redundant control feature of a QSYS system
GENERAL NOTES:	NOTE: Requires Crestron Database and Crestron Device Database v200 or later. This module is used to monitor and control the backup/redundant core of an applicable system. This module will monitoring the status of just the backup core, if it sees the backup core has become the active core, it will re-register all of the named control modules to its' IP address. It can also be used to switch back to the primary core, if the problem with the QSYS system is resolved. This avoids having to reboot/restart the program.
CRESTRON HARDWARE REQUIRED:	Ethernet Card – 3-Series Only
SETUP OF CRESTRON HARDWARE:	3-Series Only
VENDOR FIRMWARE:	Unknown
VENDOR SETUP:	The QSYS design must account for a backup/redundant core.

CONTROL:

Get_Status	D	Pulse to check status of backup/redundant core. Usually tied to an oscillator symbol. Since importance will vary based on application, this will solely be at the programmer's discretion.
Redundant_Core_IP	S	IP/Host of the backup/redundant core.

FEEDBACK:

Now_Active	D	Signal used to indicate if backup/redundant core is now the active running core. When this signal goes low, it is indicating the backup/redundant core is once again "idle", at which time the original "primary" core address should be sent to the core module. ([Core_Change_IP_Address]).
New_Active_IP	S	String to attach to the core module (([Core_Change_IP_Address]). Will force the core module to reinitialize.

Partner: QSC-Q-SYS
Model: Q-SYS Cores
Device Type: DSP

TESTING:

OPS USED FOR TESTING:	v4.001.1012
SIMPL WINDOWS USED FOR TESTING:	4.14.20
DEVICE DB USED FOR TESTING:	200.00.015.00
CRES DB USED FOR TESTING:	200.00.004.00
SYMBOL LIBRARY USED FOR TESTING:	1112
SAMPLE PROGRAM:	Q-SYS V5.3 Demo Program
REVISION HISTORY:	V4.0 – Completely Revamped Module Set. V4.2 – Fixed Initialization Issue, More Efficient V5.0 – Recompiled with Newtonsoft v4.0.8.0 for Crestron Database v200 V5.1 – Various bug fixes V5.2 – Changed S# Library name V5.2.1 – Fixed memory leak issue V5.3 – Fixed syncing issues on VC4

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

www.crestron.com

Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at techsales@crestron.com. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. *Specifications subject to change without notice.*