

MODULES, CABLES, AND BREAKOUT BOARDS COMPATIBILITY CHARTS

Field wiring to SNAP I/O modules is faster and easier using SNAP TEX cables and breakout boards. These charts show which part numbers can be used together. Also see form #1756, the *SNAP TEX Cables and Breakout Boards Data Sheet*.

NOTE: Find your module in the left column. Choose the breakout board from the right columns. Compatible cables are shown in the table cells in the center.

SNAP 4-Channel Digital Modules

Module	Breakout Board	Obsolete Breakout Boards	
	SNAP-TEX-32 **	SNAP-TEX-FB16-H SNAP-TEX-FB16-L	SNAP-TEX-MR10-4 SNAP-TEX-MR10-16 SNAP-TEX-MR10-16C
Digital input modules—4-point			
SNAP-IAC5 SNAP-IAC5A SNAP-IAC5AFM SNAP-IAC5FM SNAP-IAC5MA SNAP-IDC5MA	SNAP-TEX-CBS6 *	SNAP-TEX-CBS6 *	Not used for inputs
SNAP-IDC5 SNAP-IDC5-FAST-A SNAP-IDC5-HT SNAP-IDC5D SNAP-IDC5DFM SNAP-IDC5FAST SNAP-IDC5FM SNAP-IDC5G	SNAP-TEX-CBE6 SNAP-TEX-CBO6 SNAP-TEX-CBS6	SNAP-TEX-CBO6 SNAP-TEX-CBS6	Not used for inputs
SNAP-IDC5Q	SNAP-TEX-CBS6	Not used	Not used for inputs
SNAP-IDC5-SW SNAP-IDC5-SW-NC	SNAP-TEX-CBS6	Not used	Not used for inputs
Digital output modules—4-point			
SNAP-ODC5-I SNAP-ODC5-IFM SNAP-ODC5A-I SNAP-ODC5A-IFM SNAP-ODC5MA	SNAP-TEX-CBS6 *	SNAP-TEX-CBS6 *	SNAP-TEX-CBO6 SNAP-TEX-CBS6
SNAP-OAC5-I SNAP-OAC5-IFM SNAP-OAC5MA	SNAP-TEX-CBS6 *	SNAP-TEX-CBS6 *	Not used
SNAP-ODC5SRC SNAP-ODC5SRCFM	SNAP-TEX-CBO6 SNAP-TEX-CBS6	SNAP-TEX-CBO6 SNAP-TEX-CBS6	SNAP-TEX-CBO6 SNAP-TEX-CBS6
SNAP-OAC5 SNAP-OAC5FM SNAP-ODC5ASNK SNAP-ODC5R SNAP-ODC5R5 SNAP-ODC5R5FM SNAP-ODC5RFM SNAP-ODC5SNK SNAP-ODC5SNKFM	SNAP-TEX-CBE6 SNAP-TEX-CBO6 SNAP-TEX-CBS6	SNAP-TEX-CBO6 SNAP-TEX-CBS6	Not used
SNAP-OMR6T-C SNAP-OMR6-C	Not used	Not used	Not used

Module	Breakout Board	Obsolete Breakout Boards	
	SNAP-TEX-32 **	SNAP-TEX-FB16-H SNAP-TEX-FB16-L	SNAP-TEX-MR10-4 SNAP-TEX-MR10-16 SNAP-TEX-MR10-16C

* This cable maintains channel-to-channel isolation on these modules. If channel-to-channel isolation is not important, you can also use the SNAP-TEX-CBO6 cable.

** The SNAP-TEX-32 can be used with digital outputs but has no fuses. SNAP-TEX-FB16 boards (obsolete) are preferable for digital outputs because they include fuses.

SNAP 1-, 2-, and 4-Channel Analog Modules

Module	Breakout Board	Obsolete Breakout Boards	
	SNAP-TEX-32	SNAP-TEX-FB16-H SNAP-TEX-FB16-L	SNAP-TEX-MR10-4 SNAP-TEX-MR10-16 SNAP-TEX-MR10-16C
Analog input modules (not thermocouples)			
SNAP-AIARMS SNAP-AIARMS-i SNAP-AIARMS-i-FM SNAP-AICTD SNAP-AICTD-4 SNAP-AILC ^a SNAP-AILC-2 ^a SNAP-AIMA-i SNAP-AIMA-iSRC ^a SNAP-AIMA-iSRC-FM ^a SNAP-AIMA-iH SNAP-AIMA2-i	SNAP-AIRATE SNAP-AIRATE-HFi SNAP-AIRTD SNAP-AIRTD-10 SNAP-AIRTD-1K SNAP-AIV-72 SNAP-AIV-i SNAP-AIV2-i SNAP-AIVRMS SNAP-AIVRMS-i SNAP-AIVRMS-i-FM	SNAP-TEX-CBS6	Not used for analog modules
SNAP-AIMA SNAP-AIMA-4 SNAP-AIMV2-4 SNAP-AIMV-4	SNAP-AIR40K-4 SNAP-AIV SNAP-AIV-4	SNAP-TEX-CBE6 SNAP-TEX-CBS6	Not used for analog modules
SNAP-AIPM SNAP-AIPM-3 ^b SNAP-AIPM-3V SNAP-AITM ^c SNAP-AITM-i ^c	SNAP-AITM-2 ^c SNAP-AITM-4i ^c SNAP-AITM2-i ^c SNAP-pH/ORP	No cable available	Not used for analog modules
Analog output modules			
SNAP-AOA-23	SNAP-AOA-28	SNAP-TEX-CBE6 SNAP-TEX-CBS6	Not used for analog modules
SNAP-AOA-3	SNAP-AOV-5	SNAP-TEX-CBE6 SNAP-TEX-CBO6 SNAP-TEX-CBS6	Not used for analog modules
SNAP-AOV-25	SNAP-AOV-27	SNAP-TEX-CBO6	Not used for analog modules
SNAP-AOA-23-iH SNAP-AOA-23-iSRC ^a SNAP-AOA-23-iSRC-FM ^a	SNAP-AOD-29 SNAP-AOD-29-HFi	SNAP-TEX-CBS6	Not used for analog modules

a Note that the SNAP-TEX-SBS6 cable does not include a connector for the 2-pin terminal on top of these modules, required for excitation voltage.

b Not recommended for use with breakout boards due to CT safety concerns.

c Do not use breakout boards with thermocouples.

SNAP High-Density Digital Modules

Module	Breakout Board							Without a breakout board
	SNAP-TEX-32	(Both obsolete) SNAP-TEX-FB16-H SNAP-TEX-FB16-L	(All obsolete) SNAP-TEX-MR10-4 SNAP-TEX-MR10-16 SNAP-TEX-MR10-16C	SNAP-IDC-HDB SNAP-IDC-HDB-FM (-FM model obsolete)	SNAP-ODC-HDB SNAP-ODC-HDB-FM (-FM model obsolete)	SNAP-JDC-HDB	SNAP-JDC-HDB-G4	
SNAP-IAC-16 SNAP-IAC-A-16 SNAP-IAC-K-16 SNAP-IDC-16 SNAP-IDC-HT-16	SNAP-HD-ACF6 (2 modules/ board)	SNAP-HD-ACF6	Not used with inputs	Not used	Not used	Not used	Not used	SNAP-HD-ACF6
SNAP-IDC-32 SNAP-IDC-32-FM SNAP-IDC-32D SNAP-IDC-32N SNAP-IDC-32DN	SNAP-HD-CBF6	SNAP-HD-CBF6 (2 boards/ module)	Not used with inputs	SNAP-HD-BF6	Not used	SNAP-HD-BF6	Not used SNAP-HD-BF6	SNAP-HD-CBF6
SNAP-ODC-32-SNK SNAP-ODC-32-SNK-FM	SNAP-HD-CBF6	SNAP-HD-CBF6 (2 boards/ module)	Do not use	Not used		SNAP-HD-BF6	SNAP-HD-BF6	SNAP-HD-CBF6
SNAP-ODC-32-SRC SNAP-ODC-32-SRC-FM	SNAP-HD-CBF6	SNAP-HD-CBF6 (2 boards/ module)	SNAP-HD-CBF6 SNAP-HD-G4F6 (MR10-16C only)	Not used	SNAP-HD-BF6	SNAP-HD-BF6	Not used	SNAP-HD-CBF6

SNAP Analog Modules with More Than 4 Channels

Module	Breakout Board			Without a breakout board
	SNAP-TEX-32	SNAP-TEX-FB16-H* SNAP-TEX-FB16-L* SNAP-TEX-MR10-4* SNAP-TEX-MR10-16* SNAP-TEX-MR10-16C* SNAP-IDC-HDB SNAP-IDC-HDB-FM* SNAP-ODC-HDB SNAP-ODC-HDB-FM*	SNAP-AIMA-HDB SNAP-AIMA-HDB-FM*	
SNAP-AICTD-8 SNAP-AIMA-8 SNAP-AIR400K-8 SNAP-AIRTD-8U SNAP-AITM-8 ** SNAP-AITM-8-FM ** SNAP-AIV-8	Can be used; no cable currently available	Not used with analog modules	Not used	No cable available
SNAP-AIMA-32 SNAP-AIMA-32-FM	Not recommended		SNAP-HD-BF6	SNAP-HD-BF6*** Not recommended
SNAP-AIV-32 SNAP-AIV-32-FM	SNAP-HD-CBF6		Not used	SNAP-HD-BF6 SNAP-HD-CBF6
SNAP-AOVA-8	SNAP-HD-20F6		Not used	SNAP-HD-20F6

* Obsolete part

** Do not use breakout boards with thermocouples.

*** For specific applications. See details in wiring diagrams.