

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, 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 ¹ SNAP-IAC5FM ¹ SNAP-IAC5MA SNAP-IDC5MA	SNAP-TEX-CBS6 ²	SNAP-TEX-CBS6 ²	Not used for inputs
SNAP-IDC5 SNAP-IDC5-FAST-A SNAP-IDC5-HT SNAP-IDC5D SNAP-IDC5DFM ¹ 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 ¹ SNAP-ODC5A-I SNAP-ODC5A-IFM ¹ SNAP-ODC5MA	SNAP-TEX-CBS6 ²	SNAP-TEX-CBS6 ²	SNAP-TEX-CBO6 SNAP-TEX-CBS6
SNAP-OAC5-I SNAP-OAC5-IFM ¹ SNAP-OAC5MA	SNAP-TEX-CBS6 ²	SNAP-TEX-CBS6 ²	Not used
SNAP-ODC5SRC SNAP-ODC5SRCFM ¹	SNAP-TEX-CBO6 SNAP-TEX-CBS6	SNAP-TEX-CBO6 SNAP-TEX-CBS6	SNAP-TEX-CBO6 SNAP-TEX-CBS6
SNAP-OAC5, SNAP-OAC5FM ¹ SNAP-ODC5ASNK SNAP-ODC5R SNAP-ODC5R5 SNAP-ODC5R5FM ¹ SNAP-ODC5R5FM ¹ SNAP-ODC5SNK SNAP-ODC5SNKFM ¹	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

¹ OBSOLETE product, please contact Pre-Sales Engineering for more information.

² 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 ⁴ SNAP-AICTD SNAP-AICTD-4 SNAP-AILC ¹ SNAP-AILC-2 ¹ SNAP-AIMA-i SNAP-AIMA-iSRC ¹ SNAP-AIMA-iSRC-FM ^{1,4} SNAP-AIMA-iH ⁴ SNAP-AIMA2-i	SNAP-AIRATE ⁴ 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 ⁴	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 ⁴ SNAP-AIPM-3 ² SNAP-AIPM-3V ⁴ SNAP-AITM ³ SNAP-AITM-i ³	SNAP-AITM-2 ³ SNAP-AITM-4i ³ SNAP-AITM2-i ³ 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 ⁴ SNAP-AOA-23-iSRC ¹ SNAP-AOA-23-iSRC-FM ^{1,4}	SNAP-AOD-29 SNAP-AOD-29-HFi	SNAP-TEX-CBS6	Not used for analog modules	

¹ 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.

² Not recommended for use with breakout boards due to CT safety concerns.

³ Do not use breakout boards with thermocouples.

⁴ OBSOLETE product, please contact Pre-Sales Engineering for more information.

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-CBF6
SNAP-ODC-32-SRC SNAP-ODC-32-SRC-FM*	SNAP-HD-CBF6	SNAP-HD-CBF6 SNAP-HD-G4F6 (MR10-16C only)		Not used	SNAP-HD-BF6	SNAP-HD-BF6	Not used	SNAP-HD-CBF6

* OBSOLETE product, please contact Pre-Sales Engineering for more information.

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-AIV-HDB SNAP-AIV-HDB-FM*	
SNAP-AICTD-8 SNAP-AIMA-8 SNAP-AIR400K-8 SNAP-AIRTD-8U SNAP-AITM-8 ¹ SNAP-AITM-8-FM* ¹ 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	Not recommended
SNAP-AIV-32 SNAP-AIV-32-FM*	SNAP-HD-CBF6		Not used	SNAP-HD-CBF6
SNAP-AOVA-8	SNAP-HD-20F6		Not used	SNAP-HD-20F6

* OBSOLETE product, please contact Pre-Sales Engineering for more information.

¹Do not use breakout boards with thermocouples.

²For specific applications. See details in wiring diagrams.