

SynQor[®] Evaluation Board Selection Guide

SynQor offers several evaluation boards for purchase. Please see the table below for selections.

Product Family	Converter Description	Orderable Part Number	Evaluation Board Description
AeroQor	Power Factor Correction Module for Airborne Applications		
	APFIC-U-XX[R,D]- FT, APFIC-U-XX[R,D]H- FG	EVAL-1000047	Isolated Power Factor Correction Module with an AC Line Filter
	APFIC-115-3PH-12[R,D]-FT	EVAL-KIT-1000038-01[D]	12 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit
	APFIC-115-3PH-24[R,D]-FT	EVAL-KIT-1000034-01[D]	24 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit
	APFIC-115-3PH-28[R,D]-FT	EVAL-KIT-1000034-02[D]	28 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit
	APFIC-115-3PH-48[R,D]-FT	EVAL-KIT-1000037-01[D]	48 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit
	APFIC-115-3PH-54[R,D]-FT	EVAL-KIT-1000037-02[D]	54 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit
BusQor	Fully-Regulated, Semi-Regulated and Non-Regulated Bus Converters		
	BusQor (BQ, SQ, PQ60) (lower voltage, lower power)	EVAL-1000001	Half, Quarter and Eighth Brick modules less than 300 W and rated for input voltage 100 V or less
	BusQor (BQ, SQ, PQ60) (lower voltage, higher power) BusQor (BQ, SQ) (higher voltage, higher power)	EVAL-1000008 EVAL-1000005	All Half, Quarter, and Eighth Brick modules rated for input voltage 100 V or less All Full and Half Brick modules rated for high voltage (up to 475 V) except BQ4HxxxF
CFQor	DC-DC Converters for Medical Applications		
CFQor	EVAL-1000001	Quarter Brick modules less than 300 W and rated for input voltage 100 V or less	
DualQor	Dual Output DC-DC Converters for Telecom		
DualQor	EVAL-1000007	All DualQor modules	
High Voltage NiQor	Non-isolated Converters		
	NQ60, NQ90, MCOTS-N-28V/VE	EVAL-1000014	All Half Brick NiQor modules and MCOTS-N-28V/VE
	NQ20, NQ40, NQ60 (S-option) NQ20, NQ40, NQ60 (C-option), MCOTS-N-28V/VE	EVAL-1000018 EVAL-1000019	Quarter and Eighth Brick standard feature NiQor modules Quarter and Eighth Brick adjustable current limit & monitor NiQor modules and MCOTS-N-28V/VE
InQor	DC-DC Converters for Industrial Applications		
	InQor (lower voltage, lower power)	EVAL-1000001	Half, Quarter, and Sixteenth Brick modules less than 300 W and rated for input voltage 100 V or less
	InQor (lower voltage, higher power) IQ4H	EVAL-1000008 EVAL-1000005	All Half, Quarter, and Sixteenth Brick modules rated for input voltage 100 V or less All Full and Half Brick modules rated for high voltage (up to 475 V)
MCOTS	DC-DC Converters for Military Applications		
	MCOTS (Vin Ranges: 28 V, 48 V)	EVAL-1000001	Half, Quarter, and Sixteenth Brick modules less than 300 W and rated for input voltage 100 V or less
	MCOTS (Vin Ranges: 28 V, 48 V)	EVAL-1000008	All Half, Quarter, and Sixteenth Brick modules rated for input voltage 100 V or less
	MCOTS (Vin Range: 270 V, 150 V)	EVAL-1000005	All Full and Half Brick modules rated for high voltage (up to 475 V) except -HE, FE and -B-270-xx-FT
	MCOTS (Vin Range: 28 V)	EVAL-1000020	All Demi-Brick single and dual converters and Demi-Brick filter
	MCOTS-C-270-xx-[H,F]E	EVAL-1000041	Full and Half Brick modules with adjustable output voltage and current limit
	Power Factor Correction Modules for Military Applications		
	MPFC-115-3PH-270-FP	EVAL-KIT-1000025-01	3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit
	MPFC-115-3PH-270P-FP Parallel Evaluation	EVAL-KIT-1000031-01	2 Parallel 3-Phase PFC Converters with 3-Phase AC Line Filters Evaluation Kit
	MPFIC-U-xx-HT	EVAL-1000030	Isolated Power Factor Correction Module with an AC Line Filter
	MPFIC-U-xx-FG-x-x-[H,DH], MPFIC-U-xx-FT-x-x-[D]	EVAL-1000046	Isolated Power Factor Correction Module with an AC Line Filter
	MPFIC-115-3PH-12[R,D]-FT	EVAL-KIT-1000035-01[D]	12 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit
	MPFIC-115-3PH-24[R,D]-FT	EVAL-KIT-1000033-02[D]	24 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit
	MPFIC-115-3PH-28[R,D]-FT	EVAL-KIT-1000033-01[D]	28 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit
	MPFIC-115-3PH-48[R,D]-FT	EVAL-KIT-1000036-01[D]	48 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit
MPFIC-115-3PH-54[R,D]-FT	EVAL-KIT-1000036-02[D]	54 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit	
MPFC-440-3PH-400-LE	EVAL-KIT-1000040-01	3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit	
PowerQor	DC-DC Converters for Telecom		
	PowerQor (lower voltage, lower power) PowerQor (lower voltage, higher power)	EVAL-1000001 EVAL-1000008	Half, Quarter, Eighth, and Sixteenth Brick modules less than 300 W and rated for input voltage 100 V or less All Half, Quarter, and Eighth Brick modules rated for input voltage 100 V or less
RailQor	DC-DC Converters for Railway and Transportation Applications		
	RailQor less than 100 V (no transient protection circuit)	EVAL-1000001	Half and Quarter Brick modules less than 300 W and rated for input voltage 100 V or less
	RailQor less than 100 V (no transient protection circuit)	EVAL-1000008	All Half and Quarter Brick modules rated for input voltage 100 V or less
	RailQor up to 475 V (no transient protection circuit)	EVAL-1000005	All Half Brick modules rated for high voltage (up to 475 V)
	RQ1B, RQ68 (with transient protection circuit)	EVAL-1000021	All RQ1B and RQ68 Half and Quarter Brick modules
	RQ72 (with transient protection circuit) RQ18 (with transient protection circuit)	EVAL-1000022 EVAL-1000023	All RQ72 Half and Quarter Brick modules All RQ18 Half and Quarter Brick modules

Other evaluation boards may be in development. Contact your Regional Sales Manager or local Sales Representative for more information.

To view the evaluation board application note click on the link in the Orderable Part Number column.