

M1x16 Magnet Fiber Optical Switch

Product Description

The M1x16 optical switch is connected to the optical path by connecting or blocking the optical signal. the switch has non-mechanical configurations and activated via an electrical control signal. the switch also has build-in circulator and isolator functions. Products are widely used in aerospace and military equipment.

Features

- ◆ Solid-state high speed
- ◆ High Stability, High Reliability
- ◆ Epoxy-free on Optical Path
- ◆ Fail-safe latching

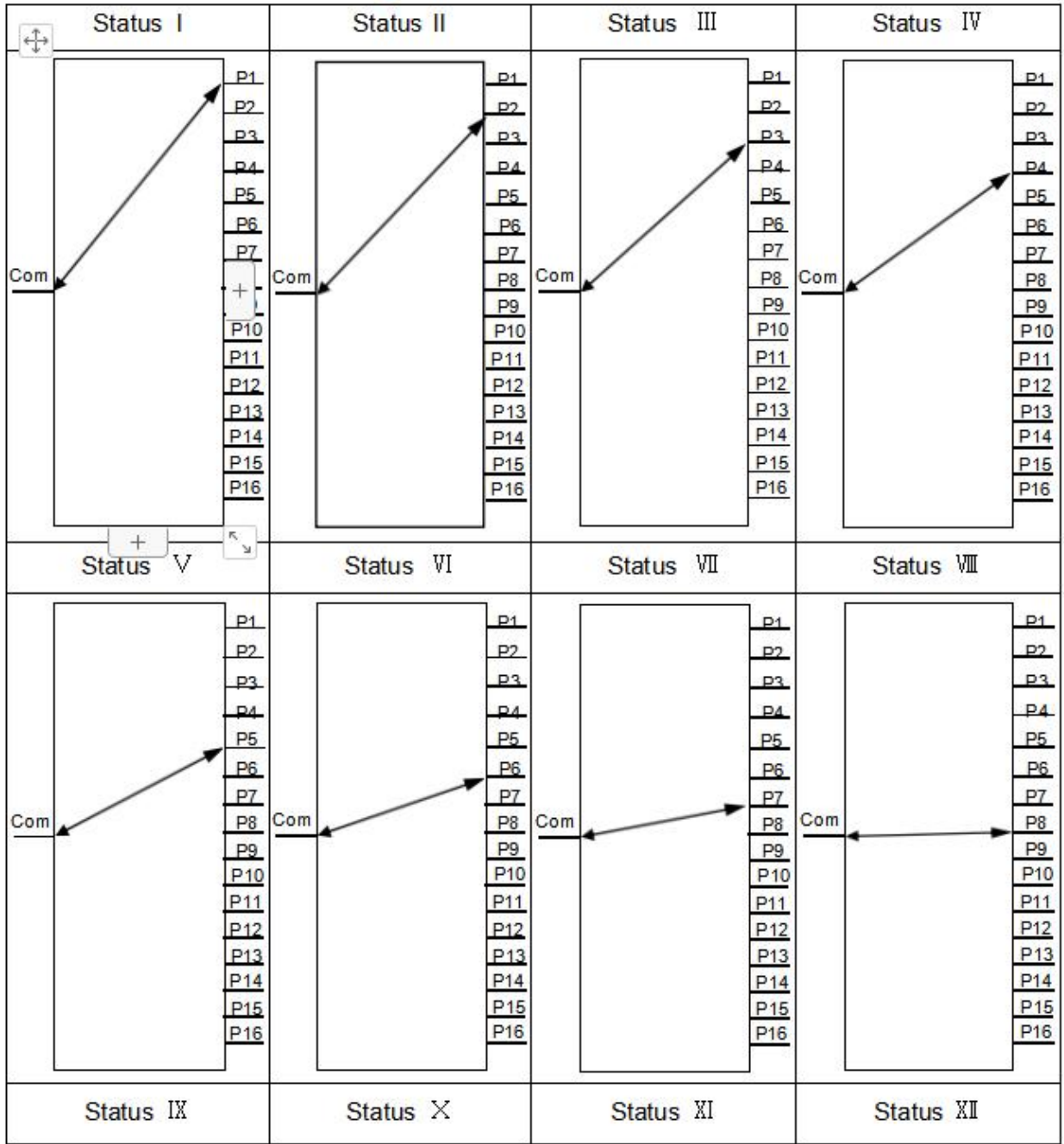
Applications

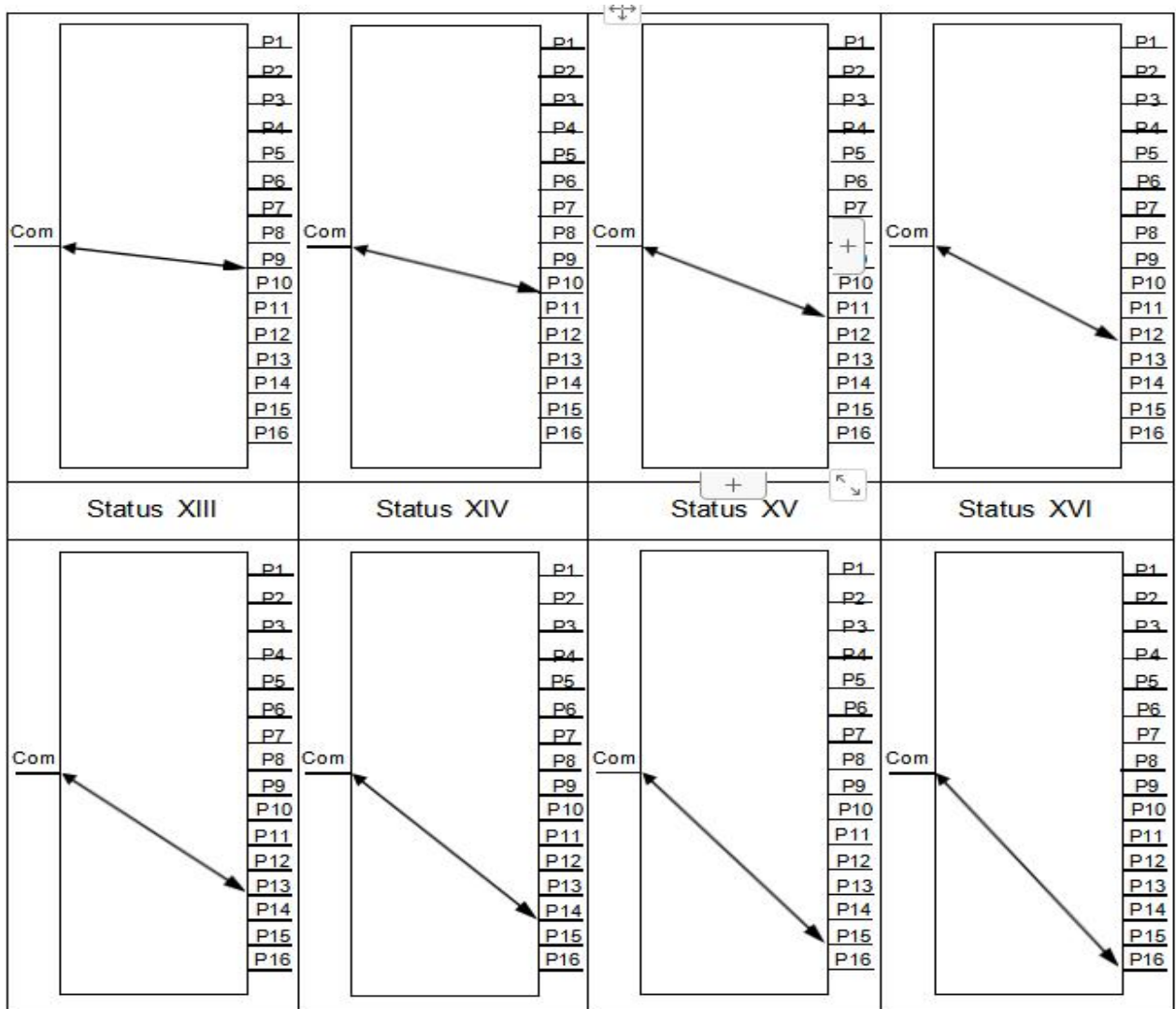
- ◆ Aerospace equipment
- ◆ Configurable Add/Drop
- ◆ System monitoring
- ◆ Sensing system

Performance Specifications

Parameters	Unit	Specifications
Wavelength Range	nm	1520 ~ 1580
Test Wavelength	nm	1550
Insertion Loss ^{1, 2}	dB	≤ 2.0
TDL	dB	≤ 0.30
PDL	dB	≤ 0.20
Return Loss	dB	≥ 50
Crosstalk	dB	Bidirectional ≥ 20
		Unidirectional ≥ 40
Repeatability	dB	≤ ±0.01
Switching Time	us	≤ 100
Pulse Duration	us	≥ 200

Functional Diagram





Ordering Information

FSW-M1x16-□-□-□-□-□-□-□

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Switch Type	Fiber Type	Voltage	Wavelength	Tube Type	Fiber Length	Connector
B: Bidirectional	SM: SM , 9/ 125	2.5: 2.5V	1550: 1550nm	250: 250um	05: 0.5m±5cm	OO: None FC: FC/PC
U: Unidirectional	X: Others	X: Others	X: Others	900: 900um X: Others	10: 1.0m±5cm X: Others	FA: FC/APC SC: SC/PC SA: SC/APC LC: LC/PC X: Others