4×4 micro mechanical Optical switch

The light switch is one kind has the cut path of rays function functional device. In the optical fiber transmission system, uses in the multi-channel light monitorings, LAN, the multi-photo source/detector trading meets as well as the ether network protection transformation and so on. In the optical fiber test system, uses in the optical fiber and the optical fiber component test, the network test, the open country fiber optics test. Optical fiber sensing multi-spot supervisory system.

Features:

◇ Low Loss, High Reliability.
◇ Parallel interface (TTL)
◇ Modularizing Design

Applications：

◇ Multi-monitoring in Optical
◇ Auto-Switching of LAN multi-laser source /detector and multi-sensing dynamic monitoring system
◇ Testing of fiber, optical Component, network or field projects in optical system

Optical Specifications ：

Type	FSW-M×N
Wavelength Range	780~1625nm
Insertion Loss	≤1.2dB（with optical linker）
Return Loss	SM≥55dB；MM≥25dB（with FC/PC linker）
Cross-Talk	≤－60dB
PDL	≤0.05dB
Wavelength Relative loss Loss	≤0.25dB
Repeatability	≤±0.02dB
Switching Time	≤10ms（Switching to next channel）
Operating life	> 10^7 time
Transmission Power	≤500mw
Operation Temp	－5 ~ 55 ℃
Storage Temp	－20~+70℃
Power	+5V

Base pin definition

1、	D0	11、	D6
2、	D1	12、	D7

3、	D2	13、	S0
4、	D3	14、	S1
5、	/EN	15、	S2
6、	RST	16、	S3
7、	VCC	17、	S4
8、	GND	18、	S5
9、	D4	19、	S6
10、	D5	20、	S7

Succession chart
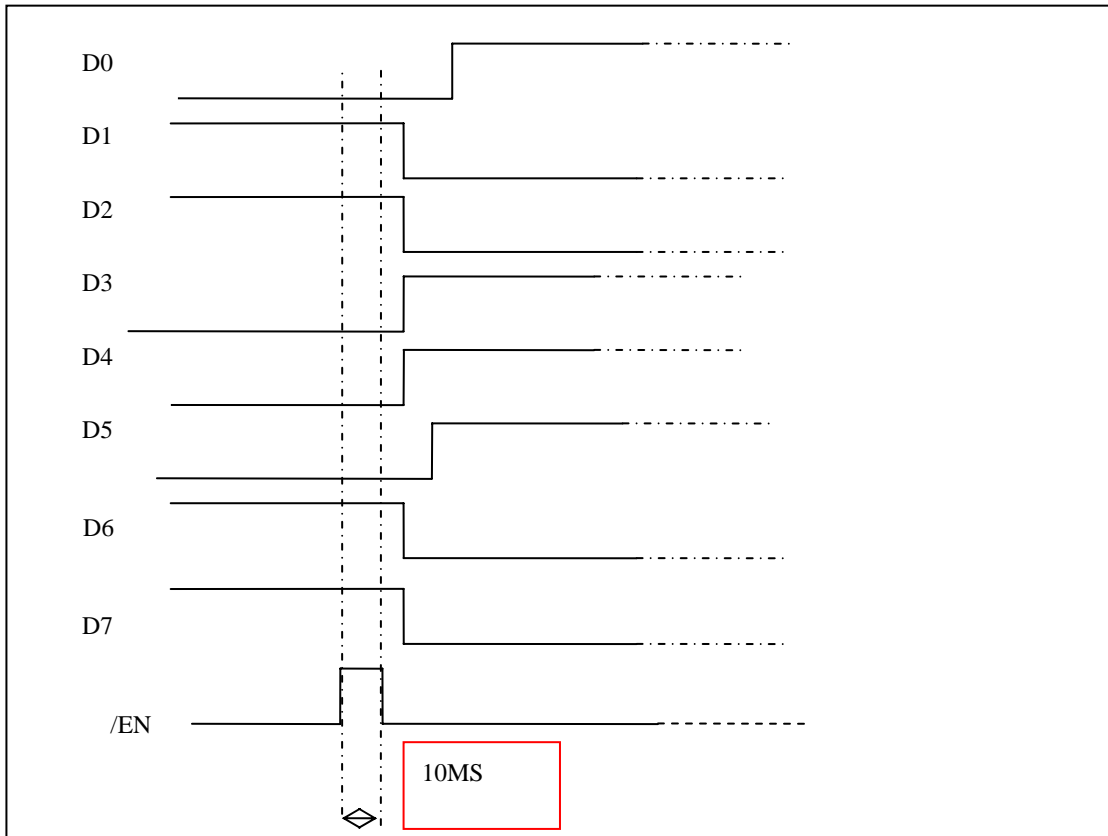
The dimensional drawing for Installs
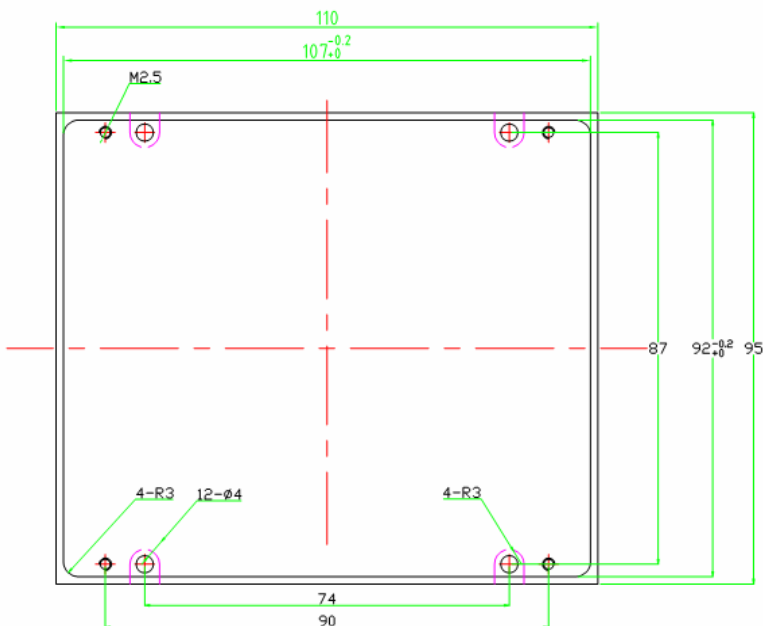
Data command composition

In 1	D0 D1	Out1
In 2	D2 D3	Out2
In 3	D4 D5	Out3
In 4	D6 D7	Out4
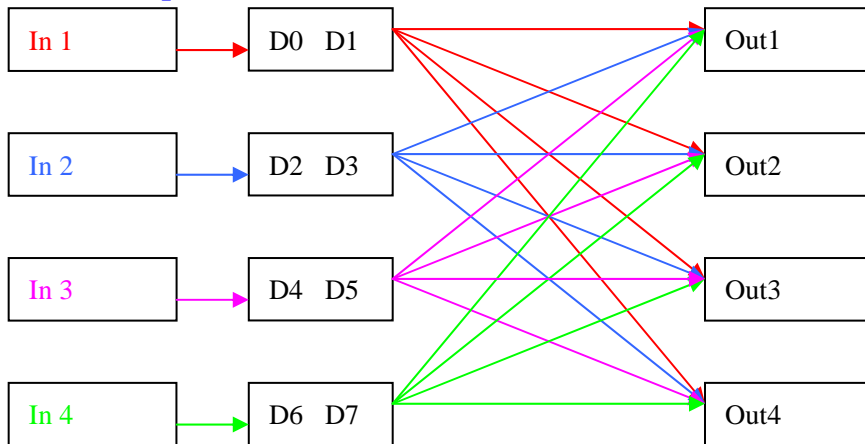
Information of order:

FSW4×4-□□--□□-□-□

wavelenth： 85=850nm
13=1310nm
15=1550nm

connector: FC, ST, SC…

fiber type： S=simple module; M=module

pigtail length： 05=0.5m
10=1.0m
15=1.5m