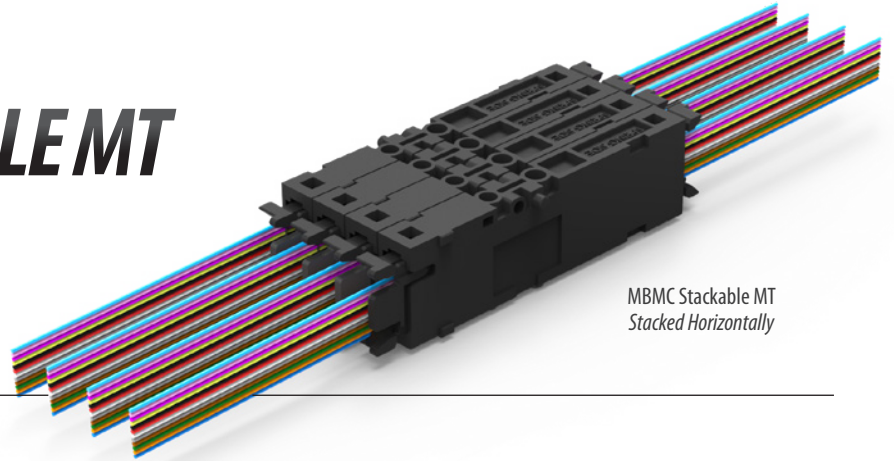


MBMC STACKABLE MT

Multi-fiber

(12f, 16f, 24f, 32f)



MBMC Stackable MT
Stacked Horizontally

SENKO's Mid-Board Mountable Connectivity (MBMC) Series is a revolutionary solution that redefines connectivity in optoelectronic applications. The MBMC is designed for seamless integration directly onto PCBs inside opto-electronics equipment, offering unparalleled versatility with the ability to be stacked vertically or horizontally. The MBMC is a compact and modular connector that allows maximum space utilization within congested optoelectronic environments.

MBMC Stackable MT 1-port is engineered to provide precise alignment of two MT ferrules with options of multiple fiber counts (12f, 16f, 24f and 32f). Another key advantage of the MBMC Stackable MT lies in its accessibility. Unlike fusion splices, our connectors are easily accessible, providing a convenient method for connecting fibers from the switch's faceplate to the Chip. This accessibility is paramount when aiming for modular and reconfigurable switches, streamlining maintenance and minimizing downtime.

Furthermore, the MBMC Stackable MT facilitates the combination of fibers from different areas within the equipment. For instance, transmission fibers can be seamlessly integrated with ELS fibers (External Laser Source), enhancing convenience and optimizing space utilization. This flexibility allows for tailored configurations to meet specific requirements and optimizes the overall switch performance.

SENKO's MBMC Stackable MT is engineered for maximum packing density while maintaining easy access for simplified maintenance.

FEATURES

- Stackable (*horizontally and vertically*)
- Modular stackable design
- High density connectivity
- Multiple fiber counts 12f, 16f, 24f and 32f
- Multiple mounting design options for PCB

APPLICATIONS

- Co-packaged optics
- On-board optics
- Hyperscale data centers

KEY BENEFITS

- ✓ **Maximum space utilization**
- ✓ **Modular plug & play flexibility**

MBMC STACKABLE MT

Multi-fiber (12f, 16f, 24f, 32f)

MBMC DATA SHEET

Mechanical Data

	Value
Durability	50 matings per GR-1435-CORE
Fiber Count	Multi-fiber (12 fibers, 16 fibers, 24 fibers, 32 fibers)
Cable Suitability	Bare ribbon
Ferrule Material	Polymer

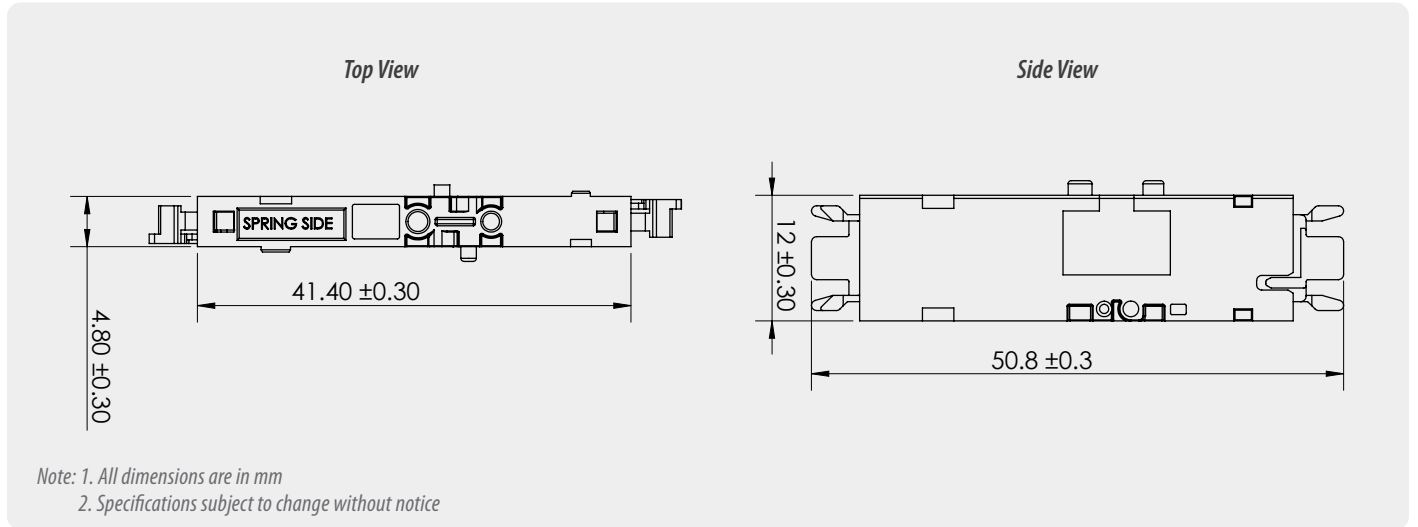
Optical Data

	Singlemode		Multimode	
	APC		PC	
	Low Loss	Standard	Low Loss	Standard
Typical Insertion Loss (dB) 12 fiber*	0.15	0.25	0.08	0.15
Max. Insertion Loss (dB) 12 fiber*	0.35	0.70	0.25	0.50
Typical Insertion Loss (dB) 16 fiber*	0.25	N/A	0.15	0.20
Max. Insertion Loss (dB) 16 fiber*	0.5	N/A	0.35	0.60
Typical Insertion Loss (dB) 24 fiber*	0.25	0.35	0.15	0.20
Max. Insertion Loss (dB) 24 fiber*	0.5	1.00	0.35	0.50
Typical Insertion Loss (dB) 32 fiber*	N/A	N/A	N/A	0.25
Max. Insertion Loss (dB) 32 fiber*	N/A	N/A	N/A	0.60
Typical Return Loss (dB)	≥60		≥25	

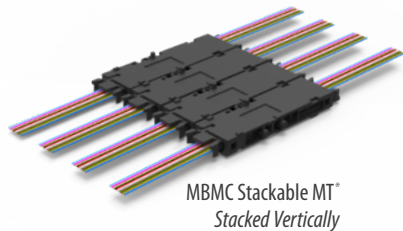
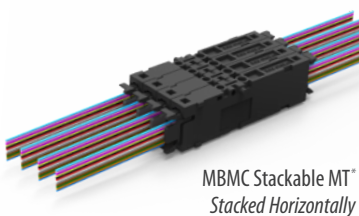
MBMC STACKABLE MT

Multi-fiber (12f, 16f, 24f, 32f)

1-Port Product Drawing



ORDERING



CONNECTOR TYPE		FIBER-COUNT		FERRULE		SPRING		HOUSING COLOR	
SKMT	MBMC Stackable MT	12	12 Fiber	SS	SM Standard	10N	Standard 10N for 12f	B	Black
		16	16 Fiber	SL	SM Low-Loss	20N	High Force 20N for 16-24f		
		24	24 Fiber	MS	MM Standard				
		32	32 Fiber	ML	MM Low-Loss				

SKMT - 12 - SS - 10N - B ORDER CODE example

* Images show quantity 4 of 1-port product

SENKO[®]

Advanced Components

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