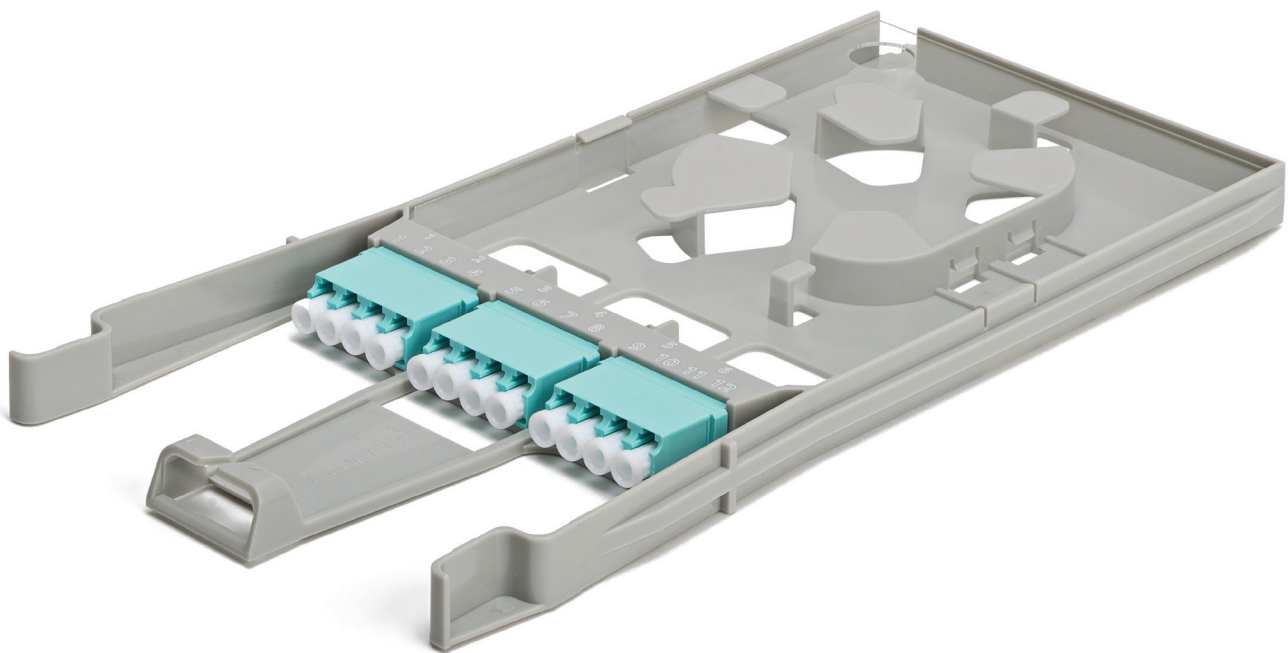


NEXTSTEP™

PATCH
MODULE

PDS-0192-EN-F



DESCRIPTION

NextSTEP™ Patch Modules manage connections between network media/assemblies and active equipment ports. Unique in the industry, each NextSTEP Patch Module combines the functionality of a fusion-splice tray and an LC/SC adapter strip in the same module. Each Patch Module supports a choice of pre-terminated assemblies, field-terminable connectors or fusion splicing for unlimited network design options and installation flexibility.

Each NextSTEP Patch Module provides 12 LC or 6 SC ports with a choice of fiber type, size, ferrule material and end-face polish to suit any installation environment. Patch Modules include an integrated splice sleeve holder that uses magnets to hold splice sleeves in place; eliminating the occurrence of micro-bends that result from press-fitting splices into rigid plastic or foam-style splice sleeve holders. Each NextSTEP Patch Module features integrated cable management and routing features for on-board slack management, bend-radius protection and strain-relief that work seamlessly with the system-level cable management features found in all NextSTEP Patch Panels.

NextSTEP Patch Modules are fully compatible with all NextSTEP Patch Panels and support up to 144F in 1U; 576F in 4U; and up to 72F in NextSTEP Wall Mount applications. Patch Modules may be inserted or removed, without tools, from the front or rear of any NextSTEP Patch Panel and may be mixed or matched in any combination, in any shelf position, with other types of NextSTEP Fiber Modules.

FEATURES and BENEFITS

- Precision engineered and manufactured from high-impact ABS thermoplastic for strength and durability
- Compatible with all NextSTEP Patch Panels
- Easy, tool-less slide-in/slide-out installation/removal from either the front or rear of the patch panel with secure click-in-place stops
- Low Insertion Loss (IL) to minimize impact on loss budgets
- 12 LC/6 SC ports per module: up to 144F in 1U; 576F in 4U; or 72F in wall mount applications
- Complete choice of fiber type, core/cladding size, ferrule material and end-face polish to suit any application and installation environment
- Supports pre-terminated assemblies, field-terminated connectors and fusion splicing terminations
- Industry-exclusive magnetic splice sleeve holder eliminates performance impairing micro-bends
- Integrated cable routing, slack management, bend-radius protection and strain-relief in each module

APPLICATIONS

Vertical Markets	Installation Environments
Data Centers	Entrance Facility
SANs	Telecom Room
Enterprise LANs	Equipment Room
MSO/Carrier Networks	Consolidation Point
	Central Office
	Cell Tower Base Station

ORDERING INFORMATION

Part Number	Description
NS-PM-W[BCCD*]	NextSTEP™ Distribution Module [*See P/N Matrix to complete variable portion]

PACKAGING AND SHIPPING

Description	Dimensions	Shipping Weight
1 per blister pack	7.25" x 11.25" x 1" (184mm x 286mm x 25.4mm)	0.30lb

PHYSICAL SPECIFICATIONS

Attribute	Value	
Dimensions	9.1" x 4.3" x 0.5" (231mm x 109mm x 13mm)	
Weight	0.15lb	
Plastic Materials	UL 94V-0 high-impact ABS thermoplastic	
LC/SC - MM	12 LC/6 SC	OM1/OM2; Zirconia ceramic sleeve; Beige
		OM3/OM4; Zirconia ceramic sleeve; Aqua
LC/SC - SM	12 LC/6 SC	SM; UPC; Zirconia ceramic sleeve; Blue
		SM; APC; Zirconia ceramic sleeve; Green

MECHANICAL SPECIFICATIONS

Parameter	Value
Operating Temperature	-40° to 75°C (-40° to 167°F)
Storage Temperature	-40° to 85°C (-40° to 185°F)
Temperature Cycling	-40° to 75°C (-40° to 167°F); 40 cycles = 0.2dB change
High Temperature	70°C for 96 hours = <0.4dB change
Mating Durability	500 mating cycles (clean every 25 matings) = <0.2dB change
Storage Temperature	40°C (104° F) at 93% RH for 96 hours = <0.4dB change

STANDARDS COMPLIANCE

ANSI/TIA-942-A
Telecommunications Infrastructure Standard for Data Centers

ANSI/TIA-568-C.3
Optical Fiber Cabling Components Standard

TIA-604 Series
Fiber Optic Connector Interchangeability Standard

TIA-455 Series
Standard Test Procedure for Fiber Optic Components

GR-326-CORE
Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies

IEC 60874-1
Connectors for Optical Fibers and Cables
- Generic Standard

IEC 61300
Fiber Optic Interconnecting Devices and Passive Components
- Basic Test and Measurement Procedures

IEC 60874-1
Connectors for Optical Fibers and Cables
- Generic Standard

UL 94
Tests for Flammability of Plastic Material for Parts in Devices and Appliances

RoHS
Directive on Restriction of Hazardous Substances

PART NUMBER MATRIX

NS-PM-W

Connector ^B ww		Fiber Count ^{CC}		Core Size ^D	
L	LC	06	6 Fiber	M	OM1 62.5/125 and OM2 50/125 μm Multimode Beige
S	SC	08	8 Fiber (Blank on Middle Front Port)	G	50/125 μm OM3 and OM4 Multimode Aqua
		12	12 Fiber	S	UPC Single mode Blue Zirconia Ceramic Sleeve
				A	APC Single mode Green Zirconia Ceramic Sleeve

