

Surface Mount Boxes

Cat.5E, Loaded, RJ45



AE180NXT03
AE180NXT13

This Cat5E mount box is compact and easy to install on a flat surface. Includes screws and double-sided mounting tape, allowing you to choose the preferred mounting method. It comes loaded with a built-in keystone (RJ-45) jack. The durable plastic structure of the box provides protection for the cable and the connecting area. Available with 1 or 2 ports.

Related products



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Product specifications

Surface mount box characteristics	
Material	Polycarbonate UL 94V-0
No. of ports	1 2
Color	White
Socket type	Built-in single keystone jack
Application type	Phone/data
Mounting type	Wall mounted
Dimensions	
Height	1.05in 1.05in
Width	1.22in 1.22in
Depth	2.36in 2.36in
Screw hole diameter	0.12in 0.12in
Includes	• 2 stainless steel screws and 1 double-sided mounting tape
Connector characteristics	
Housing material	ABS + PC, UL 94V-0
RJ45 contact material and finishing	Phosphor bronze with 50+60 micro-inch nickel plated. Contact area: min. 3mm
IDC housing	PC + 5%GF, UL 94V-2
IDC terminal material and finishing	Phosphor bronze with min. 50 micro-inch gold plating
Jack bracket set	PBT + 15%GF, UL 94-0
Insertion force	900 gm for 8 contacts
Retention strength	7.7kg between jack and plug
Durability	Jack: 750 cycles plug-jack mating and unmating test, insertion cycles at 20 cycles/minute max. Contact resistance test per 100 cycles. IDC: max. 200 punching times. (ISO/IEC 11801, IEC 60603-7-5)
Wiring	T568A and T568B
Operating temperature	-40°C to 80°C (ANSI/TIA/EIA-568-C.2)
Transmission characteristics	
Transmission speed	100Mbps
Bandwidth	100MHz
Electrical characteristics	
Insulation resistance	500M ohms (min.)
Contact resistance	20M ohms (max.)
Current rating	1.5A
DC resistance	0.1 ohm (max.)
Withstanding voltage	1000VAC RMS at 60Hz/1min.
Mechanical characteristics	
IDC punch down cycle	Over 2500 cycles (min.)
RJ45 jack insertion cycle	Over 2000 cycles (min.)
Certifications and standards	
International standards	ANSI/TIA/EIA-568-C.2, ISO/IEC 11801
UL certificate	20080124 – E318655 DUXR.E318655
Miscellaneous	
MPN	AE180NXT03 AE180NXT13
UPC	798303031417 798303031400
Labeling	NEXXT SOLUTIONS
Packaging	Plastic bag
Quantity per bag	1 unit
Cu.ft.	3.11 per 500units 1.85 per 250 units
Warranty	Limited lifetime. For full warranty details, visit: https://www.nexxtsolutions.com/warranty

