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## PowerMAX+ Cat.6A Toolless Shielded Jack

DINTEK PowerMax+™ CAT.6A Fully shielded toolless horizontal keystone jack offers superior alien crosstalk suppression, excellent insertion loss, and provides enhanced electromagnetic interference (EMI) protection by utilizing robust die cast zinc alloy connector body housing. The shielded connector is dual color coded for either 568A or 568B wiring schedules.

Being specifically designed for high-speed data transmission, the DINTEK PowerMax+ CAT.6A Fully shielded toolless horizontal keystone jack is also backwards compatible with Shielded Cat.6 and Cat.5e systems.

### Features

- Meet all requirements of ANSI/TIA-568-2.D for Cat.6A.
- Draft ISO/IEC 11801 amendment 2, Category 6A
- Draft ISO/IEC 60603-7
- FTP 90° High density
- Toolless, easy termination, no punch down tool needed.
- Accept 22~24AWG, stranded or solid wire
- Diecasting housing design.
- Comply with FCC part 68 Subpart F and IEC 60603-7
- Metalized cap design to reduce Alien cross talk
- Wiring: T568A/B

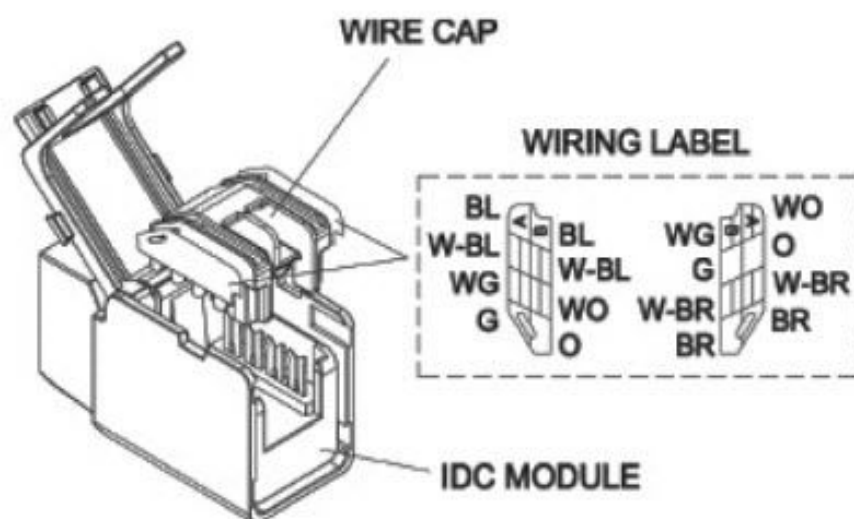


### Applications

- 10GBASE-T Ethernet]
- 100BASE-TX Fast Ethernet
- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 10BASE-TX Ethernet
- ATM CB1G
- 155/622 Mbps ATM
- 100 Mbps TP-PMD
- 100VG-AnyLAN
- 4/16 Mbps Token Ring
- Voice

### Standards Conformance

- UL, C(UL), ETL Verified
- ISO/IEC11801 2nd edition
- ANSI/TIA Standard 568-2.D
- CENELEC EN 50173



### Ordering Information

Product Number	Product Name	Orientation	Color	Std Pkg Qty
1305-05004	PowerMAX+ Cat.6A Toolless Shielded RJ45 Jack	Horizontal	Silver	1pcs/PE Bag

## Technical Specifications

Construction		
<b>Body</b>		
Connector Housing	High-impact, Flame-Retardant Plastic	
Standard	UL94V-0 rated	
Shielded Body Housing	Zinc-alloy fully shielded	
<b>Front Connection</b>		
Contact Type	Spring Wire	
Material	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold over 70~100 micro-inch of Nickel	
<b>Rear Terminals</b>		
Terminal Type	IDC	
Material	Phosphor Bronze Alloy with 100 micro-inch 100% Sn Alloy	
Physical Ranges		
<b>Temperature Range</b>		
	Storage	-40 to +70°C
	Operational	-10 to +60°C
Relative humidity	Max. non-condensing 93%	
Retention	Retention: 50N (11 lbf) for 60s±5s.	
Insertion/Extraction life	750 cycles minimum	
Number of IDC terminations	200 minimum	
Plug retention force	Retention: 50N for 60sec.	
Electrical		
Insulation Resistance	500 MΩ min. @ 100V d.c	
Dielectric Withstanding Voltage	1000V d.c or a.c. Peak Contact to Contact @ 60HZ for 1 minute, 1500V d.c. or a.c. Peak Contact to Panel @ 60Hz for 1 minute.	
Spring Wire Contact Resistance	20 mΩ Max.	
Voltage/Current Rating	1.5 Amps at 20°C	
IDC Contact Resistance	2.5 mΩ Max	

## Termination Demonstration

Strip 40mm of sheath from cable using stripper then roll back the braid onto cable so it is out of the way.	Separate the four pairs and remove the foil wrap from around each pair.	Insert front wires under the cross piece with the rear wires sitting at the back.
Press wires into the correct slots as per the color legend on the side of the cap.	Cut wires level with the side of the wire holding cap.	Turn over wire cap and place gently into the connector body until it seats in place.
Apply a good amount of pressure on a hard surface in order to seat the wires.	Move the shielded braid back (twisting at the same time) so it is out of the way.	The finished connector should not show any wires at the front.

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