GP6™ PLUS Punchdown System

PANDUIT®

SPECIFICATION SHEET

specifications

The Category 6 punchdown system components shall include bases, connecting blocks and patch cords for standard and high-density applications. Standard density applications also support Category 6A performance. This end-to-end system shall terminate to most 22 – 26 AWG solid or stranded UTP cable and exceed all ANSI/TIA standard requirements for voice and data applications. Connecting blocks shall include access to allow testing of individual circuits without removing wires and include rounded edges and wire retention slots to eliminate finger fatigue and provide wire retention.

technical information

Electrical performance:	Exceeds all channel and component requirements of ANSI/TIA-568-C.2 Category 6 standard Standard density exceeds all channel requirements of ANSI/TIA-568-C.2 Category 6A standard
Mechanical performance:	Meets IEC 60352-4 requirements; can withstand repeated terminations up to 200 cycles

key features and benefits

Optimum positioning of contacts	Maximum performance by reducing wire pair untwist
Wire strip on base	Delivers Category 6/6A performance without sacrificing wiring capacity; improves wire retention and wire cut-off
High density version	Increases wiring capacity by 44% compared to 110 systems
Rounded edges on wire strip and connecting block	Eliminates finger fatigue
Single punchdown tool terminates a pair at a time	Reduces installation time
Highly visible, color-coded wiring strip	Improves ease of termination and trouble shooting
Delivers Category 6 performance using discrete wire or patch cords	Flexibility to satisfy customer preference
Delivers Category 6A performance	Standard density system supports 10Gig data rates
Uses existing 100 and 300 pair 110 style base footprint and mounting dimensions	Capitalizes on familiarity to existing installations Can be easily substituted for existing 110 installations

applications

The GP6™ PLUS Punchdown System is used as a Category 6 interconnect or cross-connect of workstation cabling to equipment cabling, or as a consolidation point in zone cabling applications. The standard density system can also be used for Category 6A performance.

The GP6™ PLUS Punchdown System is designed for voice and data applications. GP6™ PLUS High Density Bases can substitute for existing 110 installations, yielding a 44% increase. GP6™ PLUS Standard Density Bases are specifically designed to accommodate crescent cable.

GP6™ PLUS Punchdown System

High Density Bases	
144 pair base with legs:	GPBW144-X
432 pair base with legs:	GPBW432-X
144 pair base without legs:	GPB144-X
432 pair base without legs:	GPB432-X
Standard Bases	
96 pair (24-port) base with legs:	GPBW24-X
288 pair (72-port) base with legs:	GPBW72-X
96 pair (24-port) base without legs:	GPB24-X
288 pair (72-port) base without legs:	GPB72-X
Connecting Blocks	
4 pair:	GPCB4-XY
5 pair:	GPCB5-XY
Jumper Troughs	
With legs:	P110JTW-X
Without legs:	P110JT-X
High Density Terminations Kits	
144 pair kit:	GPKBW144Y
432 pair kit:	GPKBW432Y
Standard Terminations Kits	
24-port:	GPKBW24Y
72-port:	GPKBW72Y
19" Rack Mount Panel Kits	
High density 288 pair without jumper troughs, 2 RU:	GPB2884R2Y
High density 288 pair with jumper troughs, 4 RU:	GPB2884R4WJY
Standard density 48-port without jumper troughs, 2 RU:	GPB484R2Y
Standard density 48-port with jumper troughs, 4 RU:	GPB484R4WJY
Patch Cord Connectors	
1 pair:	GPC5E1-XY
2 pair:	GPC5E2-XY
Patch Cord Assemblies	
1 pair connector on each end:	GPPC1IG*Y
2 pair connector on each end:	GPPC2IG*Y
4 pair connector on each end:	GPPC4IG*Y
4 pair connector to RJ45 568A Pan-Plug™:	GPPC4IG*AY
4 pair connector to RJ45 568B Pan-Plug™:	GPPC4IG*BY
Termination Tools	
Single punchdown tool:	GPST
4 pair punchdown tool:	GPDTM
Wire stripping tool:	CJAST

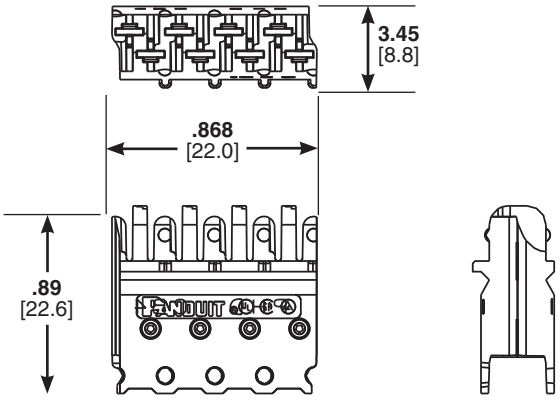
*Substitute 3, 5, 7, 9, 14 or 20 for length of patch cord (in feet). Visit www.panduit.com for metric lengths of patch cord assemblies.

Connector Block Test Results

Mechanical Test	Test Method	Measurement	Typical Test Results
Vibration	IEC 512-6d	Circuit Resistance Change (mOhms)	< 1
Shock	IEC 512-6c	Contact Disturbance (microsecond)	< 1
Durability	IEC 512-9a	Circuit Resistance Change (mOhms)	< 5

Electrical Test	Test Method	Measurement	Typical Test Results
Low Level Circuit Resistance	IEC 512-2a	Resistance (mOhms)	< 5
Dielectric Withstand Voltage	IEC 512-4a	1000 VAC, 1 minute	Passed
Insulation Resistance	IEC 512-3a	Resistance (mOhms)	> 10,000

Environmental	Test Method	Measurement	Typical Test Results
Temperature Life	IEC 512-9b	Circuit Resistance Change (mOhms)	< 1
Humidity	IEC 512-11c	Circuit Resistance Change (mOhms)	< 2
Thermal Shock	IEC 512-11d	Circuit Resistance Change (mOhms)	< 5
Climatic Sequence	IEC 512-11a	Circuit Resistance Change (mOhms)	< 5
Flowing Mixed Gas Corrosion	IEC 512-11g	Circuit Resistance Change (mOhms)	< 5



Dimensions are in inches [Dimensions in brackets are metric]

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
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Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

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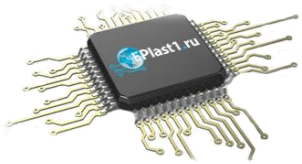
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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