

GST Jack System

Better Technology Through Innovation

Introduction

The GST jack from HellermannTyton is a compact high performance UTP RJ45 connector. The solution includes Category 6A, Category 6 and Category 5e jacks, a range of modular flat and angled panels and a full set of plastic mounting modules.

The GST jack has standard keystone mounting dimensions and therefore can be loaded into any standard faceplate, this means that the jack can be used in faceplates suited to local requirements.

The 12 colour options available enable identification and demarcation of different services such as voice, data, CCTV, etc. They can also be used to define different paths or levels within the network in accordance with TIA 606A.



GST Jack

The GST jack is a small modular UTP jack with industry standard keystone mounting dimensions. It has a narrow width enabling 24 jacks to be mounted in a single 1U 19" panel. Its shallow depth means it is suitable for mounting in under floor or in-floor boxes, back boxes and trunking.

Central to the design of the GST jack is the performance optimised multi-layer PCB and contact set which provides the inherent performance to deliver a component compliant solution to ANSI/TIA-568-C.2. In the case of the Category 6A jack, the patented contact set is designed to cancel Near End Cross Talk (NEXT) at the point of insertion by providing capacitive compensation through a flexible PCB mounted onto the contact set. The Category 6 and 5e jacks incorporate a compact multi-layer PCB to deliver superior performance.

The GST jack uses a wire-manifold with an integral lid which manages the twisted pairs and provides strain relief for the cable. This manifold requires the use of the specially designed single action crop and crimp tool (see Termination Tool opposite) making it quicker, easier and safer than traditional termination methods.

The design of the manifold and termination tool ensures a highly repeatable and controlled termination which contributes to the consistent electrical performance of the jack.

GST System Products

The GST jack solution from HellermannTyton comprises the following products:

- GST Category 6A, Category 6 & Category 5e UTP jacks
- Single action termination tool
- Full range of modular patch panels - flat and angled
- Plastic mounting modules

Key Features

- Component compliant performance to ANSI/TIA-568-C.2 standard
- Independently performance verified by ETL
- Industry standard keystone dimensions and interface
- Short length jack allowing for larger bend radius of cables
- Wiring manifold manages the cable pairs, maximising performance and providing integral strain relief
- The wiring manifold incorporates both TIA 568A and 568B wiring schemes
- Available in 12 standard colours; White, Black, Blue, Brown, Office White, Green, Grey, Ivory, Orange, Red, Violet and Yellow
- Performance identifying icon moulded into the front face of the jack
- UL Compliant - each jack is moulded with the UL logo as confirmation of compliance



Manifold with colour coded wiring guide



Contact set mounted PCB for optimised Category 6A performance



Performance standard moulding on front of jack

Termination Tool

The patented GST termination tool combines cropping the conductor tails and termination into the IDC in a swift single action. The tool is comfortable in the hand with a narrow reach and smooth action, alleviating strain when terminating multiple jacks.

The tool is designed to terminate both HellermannTyton UTP GST and Deca¹⁰ FTP jacks through the use of an interchangeable head. The heads are colour coded for ease of identification. The blades used to crop the conductors will perform in excess of 10,000 terminations before the head needs replacing. The tool is rugged and robust and will achieve in excess of 30,000 terminations.



Interchangeable FTP and UTP termination heads



Single action crop and crimp termination tool

Key Features

- Single action crop and crimp – fast consistent termination
- Ergonomic design
- Interchangeable colour coded heads enabling a single tool to be used for the GST UTP and Deca¹⁰ FTP modular jacks
- Blades will perform in excess of 10,000 terminations
- The tool will perform for over 30,000 terminations

Modular Panels

A full range of 8 modular panels complements the GST jack product set. The panel range comprises flat and angled panels in 1U 24, 1U 48, 2U 48 or 2U 72 ports. All panels have a labelling field for each individual jack and are supplied unloaded.

Flat Modular Patch Panels

Flat panels remain the most common panels in use today. The HellermannTyton modular panels have large labelling fields, identifying each port, and a screen printed area which can be used for writing on or applying labels over for port identification as required.

Angled Modular Patch Panels

Angled panels save valuable U space by directing patch leads to the side into the vertical cable management area of the rack or patching frame. This means that front patch lead cable management is not required, increasing rack capacity by up to 50%.

The angled panels are available with a range of optional accessories including rear cable management bars, blanking panels and panel covers which are designed to maintain airflow within the racks or cabinets, ideal for the data centre environment.

Key Features













- Robust rigid metalwork
- Industry standard keystone apertures
- Jack colours and icons clearly visible
- Large, clear, screen printed label fields
- Angled panels include a central panel label field
- Supplied pre-loaded with HellermannTyton Rack Snaps, or supplied with cage nuts or 12/24 screws as standard



1U Angled Panel





Ordering and Part Numbers

GST Jacks Category 6A - Single

	Part-No.	UNS No.	Description	Performance	Colour
	GSTJ6AU-BK	852-25103	GST JACK C6A UTP BLACK	Cat 6A	BLACK
	GSTJ6AU-BL	852-25104	GST JACK C6A UTP BLUE	Cat 6A	BLUE
	GSTJ6AU-BR	852-25105	GST JACK C6A UTP BROWN	Cat 6A	BROWN
	GSTJ6AU-FW	852-25106	GST JACK C6A UTP OFFICE WHITE	Cat 6A	OFFICE WHITE
	GSTJ6AU-GN	852-25107	GST JACK C6A UTP GREEN	Cat 6A	GREEN
	GSTJ6AU-GY	852-25108	GST JACK C6A UTP GREY	Cat 6A	GREY
	GSTJ6AU-IV	852-25109	GST JACK C6A UTP IVORY	Cat 6A	IVORY
	GSTJ6AU-OR	852-25110	GST JACK C6A UTP ORANGE	Cat 6A	ORANGE
	GSTJ6AU-RD	852-25111	GST JACK C6A UTP RED	Cat 6A	RED
	GSTJ6AU-VI	852-25112	GST JACK C6A UTP VIOLET	Cat 6A	VIOLET
	GSTJ6AU-WH	852-25113	GST JACK C6A UTP WHITE	Cat 6A	WHITE
	GSTJ6AU-YL	852-25114	GST JACK C6A UTP YELLOW	Cat 6A	YELLOW













Note: Standard single pack jacks are supplied in multiples of 50 single bags in a box.

GST Jacks Category 6 - Single

	Part-No.	UNS No.	Description	Performance	Colour
	GSTJC6U-BK	852-25115	GST JACK C6 UTP BLACK	Cat 6	BLACK
	GSTJC6U-BL	852-25116	GST JACK C6 UTP BLUE	Cat 6	BLUE
	GSTJC6U-BR	852-25117	GST JACK C6 UTP BROWN	Cat 6	BROWN
	GSTJC6U-FW	852-25118	GST JACK C6 UTP OFFICE WHITE	Cat 6	OFFICE WHITE
	GSTJC6U-GN	852-25119	GST JACK C6 UTP GREEN	Cat 6	GREEN
	GSTJC6U-GY	852-25120	GST JACK C6 UTP GREY	Cat 6	GREY
	GSTJC6U-IV	852-25121	GST JACK C6 UTP IVORY	Cat 6	IVORY
	GSTJC6U-OR	852-25122	GST JACK C6 UTP ORANGE	Cat 6	ORANGE
	GSTJC6U-RD	852-25123	GST JACK C6 UTP RED	Cat 6	RED
	GSTJC6U-VI	852-25124	GST JACK C6 UTP VIOLET	Cat 6	VIOLET
	GSTJC6U-WH	852-25125	GST JACK C6 UTP WHITE	Cat 6	WHITE
	GSTJC6U-YL	852-25126	GST JACK C6 UTP YELLOW	Cat 6	YELLOW

Note: Standard single pack jacks are supplied in multiples of 50 single bags in a box.

GST Jacks Category 5e - Single

	Part-No.	UNS No.	Description	Performance	Colour
	GSTJ5EU-BK	852-25127	GST JACK C5E UTP BLACK	Cat 5e	BLACK
	GSTJ5EU-BL	852-25128	GST JACK C5E UTP BLUE	Cat 5e	BLUE
	GSTJ5EU-BR	852-25129	GST JACK C5E UTP BROWN	Cat 5e	BROWN
	GSTJ5EU-FW	852-25130	GST JACK C5E UTP OFFICE WHITE	Cat 5e	OFFICE WHITE
	GSTJ5EU-GN	852-25131	GST JACK C5E UTP GREEN	Cat 5e	GREEN
	GSTJ5EU-GY	852-25132	GST JACK C5E UTP GREY	Cat 5e	GREY
	GSTJ5EU-IV	852-25133	GST JACK C5E UTP IVORY	Cat 5e	IVORY
	GSTJ5EU-OR	852-25134	GST JACK C5E UTP ORANGE	Cat 5e	ORANGE
	GSTJ5EU-RD	852-25135	GST JACK C5E UTP RED	Cat 5e	RED
	GSTJ5EU-VI	852-25136	GST JACK C5E UTP VIOLET	Cat 5e	VIOLET
	GSTJ5EU-WH	852-25137	GST JACK C5E UTP WHITE	Cat 5e	WHITE
	GSTJ5EU-YL	852-25138	GST JACK C5E UTP YELLOW	Cat 5e	YELLOW






Note: Standard single pack jacks are supplied in multiples of 50 single bags in a box.

GST Jacks - Contractor Packs (Bulk pack of 50)


















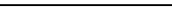

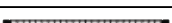
	Part-No.	UNS No.	Description	Performance	Colour
	GSTJ6AUB-BK	852-25139	GST JACK X50 C6A UTP BLACK	Cat 6A	BLACK
	GSTJ6AUB-BL	852-25140	GST JACK X50 C6A UTP BLUE	Cat 6A	BLUE
	GSTJ6AUB-FW	852-25142	GST JACK X50 C6A UTP OFFICE WHITE	Cat 6A	OFFICE WHITE
	GSTJ6AUB-OR	852-25146	GST JACK X50 C6A UTP ORANGE	Cat 6A	ORANGE
	GSTJ6AUB-WH	852-25149	GST JACK X50 C6A UTP WHITE	Cat 6A	WHITE
	GSTJ6UB-BK	852-25151	GST JACK X50 C6 UTP BLACK	Cat 6	BLACK
	GSTJ6UB-BL	852-25152	GST JACK X50 C6 UTP BLUE	Cat 6	BLUE
	GSTJ6UB-FW	852-25154	GST JACK X50 C6 UTP OFFICE WHITE	Cat 6	OFFICE WHITE
	GSTJ6UB-OR	852-25158	GST JACK X50 C6 UTP ORANGE	Cat 6	ORANGE
	GSTJ6UB-WH	852-25161	GST JACK X50 C6 UTP WHITE	Cat 6	WHITE
	GSTJ5EUB-BK	852-25163	GST JACK X50 C5E UTP BLACK	Cat 5e	BLACK
	GSTJ5EUB-BL	852-25164	GST JACK X50 C5E UTP BLUE	Cat 5e	BLUE
	GSTJ5EUB-FW	852-25166	GST JACK X50 C5E UTP OFFICE WHITE	Cat 5e	OFFICE WHITE
	GSTJ5EUB-OR	852-25170	GST JACK X50 C5E UTP ORANGE	Cat 5e	ORANGE
	GSTJ5EUB-WH	852-25173	GST JACK X50 C5E UTP WHITE	Cat 5e	WHITE

Ordering and Part Numbers





Termination Tool

	Part-No.	UNS No.	Description
	HT-TT02U	854-40267	GST UTP Termination Tool
	HT-TT02JU	854-40271	Replacement UTP Heads for the GST Termination Tool
	HT-TT02F	854-40268	GST FTP Termination Tool
	HT-TT02JF	854-40270	Replacement FTP Heads for the GST Termination Tool
	HT-TT02D	854-40269	GST FTP/UTP Termination Tool





Modular Panels

	Part-No.	UNS No.	Description	Angled/ Flat	Height	No. of ports	Fixings
	GSTPP-1U24RS	853-50030	GST patch panel unloaded, 1U 24 port with Rack Snap fixings	Flat	1U	24	Rack Snap
	GSTPP-1U48RS	853-50031	GST patch panel unloaded, 1U 48 port with Rack Snap fixings	Flat	1U	48	Rack Snap
	GSTPP-2U48RS	853-50032	GST patch panel unloaded, 2U 48 port with Rack Snap fixings	Flat	2U	48	Rack Snap
	GSTPP-2U72RS	853-50068	GST patch panel unloaded, 2U 72 port with Rack Snap fixings	Flat	2U	72	Rack Snap
	GSTAPP-1U24RS	853-50033	GST angled patch panel unloaded, 1U 24 port with Rack Snap fixings	Angled	1U	24	Rack Snap
	GSTAPP-1U48RS	853-50034	GST angled patch panel unloaded, 1U 48 port with Rack Snap fixings	Angled	1U	48	Rack Snap
	GSTAPP-2U48RS	853-50035	GST angled patch panel unloaded, 2U 48 port with Rack Snap fixings	Angled	2U	48	Rack Snap
	GSTAPP-2U72RS	853-50056	GST angled patch panel unloaded, 2U 72 port with Rack Snap fixings	Angled	2U	72	Rack Snap
	GSTPP-1U24CN	853-50036	GST patch panel unloaded, 1U 24 port with cage nut fixings	Flat	1U	24	Cage nut
	GSTPP-1U48CN	853-50037	GST patch panel unloaded, 1U 48 port with cage nut fixings	Flat	1U	48	Cage nut
	GSTPP-2U48CN	853-50038	GST patch panel unloaded, 2U 48 port with cage nut fixings	Flat	2U	48	Cage nut
	GSTPP-2U72CN	853-50070	GST patch panel unloaded, 2U 72 port with cage nut fixings	Flat	2U	72	Cage nut
	GSTAPP-1U24CN	853-50039	GST angled patch panel unloaded, 1U 24 port with cage nut fixings	Angled	1U	24	Cage nut
	GSTAPP-1U48CN	853-50040	GST angled patch panel unloaded, 1U 48 port with cage nut fixings	Angled	1U	48	Cage nut
	GSTAPP-2U48CN	853-50041	GST angled patch panel unloaded, 2U 48 port with cage nut fixings	Angled	2U	48	Cage nut
	GSTAPP-2U72CN	853-50058	GST angled patch panel unloaded, 2U 72 port with cage nut fixings	Angled	2U	72	Cage nut
	GSTPP-1U24SC	853-50048	GST patch panel unloaded, 1U 24 port with screw fixings	Flat	1U	24	12/24 screws
	GSTPP-1U48SC	853-50049	GST patch panel unloaded, 1U 48 port with screw fixings	Flat	1U	48	12/24 screws
	GSTPP-2U48SC	853-50050	GST patch panel unloaded, 2U 48 port with screw fixings	Flat	2U	48	12/24 screws
	GSTPP-2U72SC	853-50069	GST patch panel unloaded, 2U 72 port with screw fixings	Flat	2U	72	12/24 screws













Modular Panels cont'd

	Part-No.	UNS No.	Description	Angled/ Flat	Height	No. of ports	Fixings
	GSTAPP-1U24SC	853-50051	GST angled patch panel unloaded, 1U 24 port with screw fixings	Angled	1U	24	12/24 screws
	GSTAPP-1U48SC	853-50052	GST angled patch panel unloaded, 1U 48 port with screw fixings	Angled	1U	48	12/24 screws
	GSTAPP-2U48SC	853-50053	GST angled patch panel unloaded, 2U 48 port with screw fixings	Angled	2U	48	12/24 screws
	GSTAPP-2U72SC	853-50057	GST angled patch panel unloaded, 2U 72 port with screw fixings	Angled	2U	72	12/24 screws

Plastic Jack Mounting Modules

	Part-No.	UNS No.	Description
	AlphaSnap		
	ASFPANG/WH	854-35228	Alpha Snap/GigaBand Angled Face Plate Module. Suitable for use with the AlphaSnap single and double gang face plates. These have a 2mm mounting shoulder. Bevelled face plates are recommended
	Easy Clip		
	EC-ANG-PMO/WH	854-39399	(10Pk) Easy Clip Angled Plastic Module for Keystone. Suitable for use with the Easy Clip plastic single and double gang face plates. Bevelled face plates are recommended
	6C floor box		
	6C-ANG-PMO/WH	852-30047	(10Pk) 6C Angled Plastic Module for Keystone. 6C is a 38.5x25mm size, commonly used in the UK in floor boxes and metal sub floor boxes. It has a 2mm mounting shoulder for mounting into metal plates. Not suitable for face plate fixing
	Continental		
	LG-ADP	852-20025	Continental adaptor module for Keystone. The dual keystone housing fits into 45x45mm aperture face plates such as used in mainland Europe

Angled Panel Accessories

	Part-No.	UNS No.	Description	Height	Fixings
	APARCM1U	854-05154	Angled panel rear cable manager, a single bar which can be fitted to 1U or 2U panels giving a single row for strain relief of link cables	N/A	N/A
	APARCM2U	854-05155	Angled panel rear cable manager, a double bar that can be fitted to 2U panels giving two row for strain relief of link cables	N/A	N/A
	APA-COVERLP	854-40275	Angled panel cover, low profile, for top or bottom installation, no fixings required	N/A	N/A
	APABP1URS	854-10046	Angled panel blank unit, matching angle to all HellermannTyton angled panels; with Rack Snap fixings	1U	Rack Snap
	APABP2URS	854-10049	Angled panel blank unit, matching angle to all HellermannTyton angled panels; with Rack Snap fixings	2U	Rack Snap
	APA-COVER1URS	854-40272	Angled patch panel cover, for top or bottom installation with integrated 1U blanking panel; with Rack Snap fixings	1U	Rack Snap
	APABP1UCN	854-10047	Angled panel blank unit, matching angle to all HellermannTyton angled panels; with cage nut fixings	1U	Cage nut
	APABP2UCN	854-10050	Angled panel blank unit, matching angle to all HellermannTyton angled panels; with cage nut fixings	2U	Cage nut
	APA-COVER1UCN	854-40273	Angled patch panel cover, for top or bottom installation with integrated 1U blanking panel; with cage nut fixings	1U	Cage nut
	APABP1USC	854-10048	Angled panel blank unit, matching angle to all HellermannTyton angled panels; with 12/24 screw fixings	1U	12/24 screws
	APABP2USC	854-10051	Angled panel blank unit, matching angle to all HellermannTyton angled panels; with 12/24 screw fixings	2U	12/24 screws
	APA-COVER1USC	854-40274	Angled patch panel cover, for top or bottom installation with integrated 1U blanking panel; with 12/24 screw fixings	1U	12/24 screws

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