



# COMPATIBLE WITH USB 2.0 AND 1.1 Super ITS - USB Type A SuperSeal™ Rugged Field Connectors



Environmental, shielded, reverse-bayonet connectors

## Super ITS 345: connector with USB 2.0 Type A mating interface, accessory threads and crimp contact wire termination



Super ITS 345, USB 2.0 SuperSeal connectors provide easy crimp-and-poke wire termination with industry-standard wire contacts and tools. Reverse-bayonet plug connectors use male USB plugs while receptacles use female ports through the mating interface. Size 22 crimp contacts (M39029/58-360) supplied loose. Rugged reverse-bayonet mating provides reliable intermateability while the locking three pin bayonet coupler prevents demating under high shock and high vibration conditions. Accessory thread (1-20 UNEF) accessory thread for attachment of backshells and adapters.

SUPER ITS: RUGGEDIZED RJ45 ETHERNET AND USB

Performance Specifications	
Material and Finish	
Material/Finish	See How to Order table
Crimp Contacts	Copper alloy, gold plated
USB Coupler Housing	UL94V-0 Compliant ABS or PPS
Grommet, Peripheral Seal, Interfacial Seal, O-ring	Blended fluorosilicone silicone elastomer, 30% silicone per ZZ-R-765, 70% fluorosilicone per MIL-R-25988
Electrical Specifications	
Data Rate	480 MBps
Power Usage	500 milliamps (mA)
Current Rating	1.5 Amps,
D.W.V.	500 VAC
I.R.	1000 MegOhms
Cabling Length	5.0 Meters Max
Shielding	Continuous through coupler or continuous coupler to shell
Environmental/Mechanical Performance	
Sealing	IP68 mated condition, IP67 unmated condition
Operating Temperature	-40°C to +120°C
Vibration	37 g's
Mechanical Shock	300 g's
Mating Cycles	500

How To Order								
<b>Sample Part Number:</b>	<b>ITS 345</b>	<b>030</b>	<b>16</b>	<b>2</b>	<b>A</b>	<b>A</b>	<b>H</b>	<b>F6</b>
<b>Series</b>	<b>ITS 345</b> = Crimp contact termination							
<b>Shell Style</b>	See shell style table							
<b>Shell Size</b>	<b>16</b>							
<b>USB Protocol</b>	<b>2</b> = USB 2.0							
<b>Front Interface</b>	<b>A</b> = Type A							
<b>Rear Interface</b>	<b>A</b> = Type A							
<b>USB Orientation</b>	<b>H</b> = Horizontal <b>V</b> = Vertical							
<b>Material / Finish</b>	Omit for aluminum / cadmium olive drab (G3) <b>F6</b> = Aluminum / black electrodeposited paint <b>F7</b> = Aluminum / black zinc nickel <b>F11</b> = Aluminum / electroless nickel							

Connector Shell Styles	
Code	Description
<b>030</b>	Rear panel mount, wall mount receptacle with through-mount holes
<b>01</b>	In-line receptacle
<b>070</b>	Rear panel mount, jam-nut receptacle
<b>06</b>	Plug

USB Orientation Options			
Plugs		Receptacle	
<b>Code H</b>	<b>Code V</b>	<b>Code H</b>	<b>Code V</b>



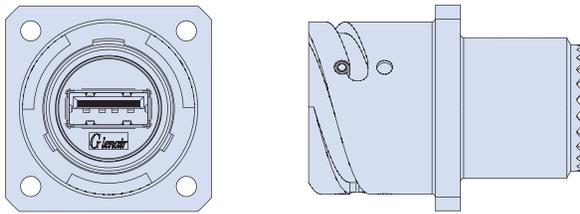


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**Super ITS - USB Type A SuperSeal™**  
**Rugged Field Connectors**

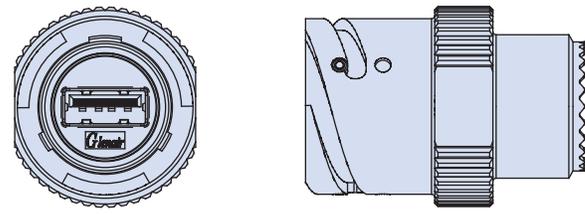


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**SHELL STYLE 030: REAR PANEL WALL MOUNT RECEPTACLE WITH THROUGH HOLES AND ACCESSORY THREADS**



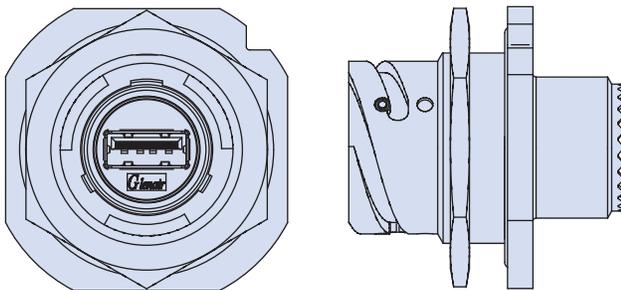
**SHELL STYLE 01: INLINE RECEPTACLE WITH ACCESSORY THREADS**



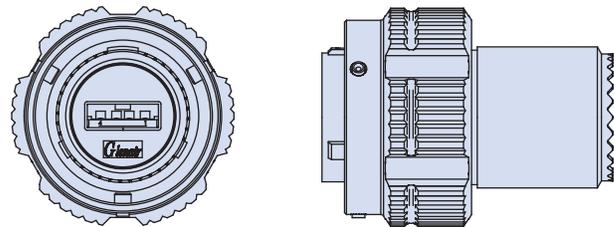
Sample Part Number							
ITS345	030	16	2	A	A	H	F7
Series	Shell Style	Shell Size	USB 2.0 Protocol	Front USB Type	Rear USB Type	USB Position H or V	Material / Finish G3 (omit) F6, F7, F11

Sample Part Number							
ITS345	01	16	2	A	A	H	F7
Series	Shell Style	Shell Size	USB 2.0 Protocol	Front USB Type	Rear USB Type	USB Position H or V	Material / Finish G3 (omit) F6, F7, F11

**SHELL STYLE 070: REAR PANEL MOUNT JAM-NUT RECEPTACLE WITH ACCESSORY THREADS**



**SHELL STYLE 06: PLUG WITH ACCESSORY THREADS**



Sample Part Number							
ITS345	070	16	2	A	A	H	F7
Series	Shell Style	Shell Size	USB 2.0 Protocol	Front USB Type	Rear USB Type	USB Position H or V	Material / Finish G3 (omit) F6, F7, F11

Sample Part Number							
ITS345	06	16	2	A	A	H	F7
Series	Shell Style	Shell Size	USB 2.0 Protocol	Front USB Type	Rear USB Type	USB Position H or V	Material / Finish G3 (omit) F6, F7, F11

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